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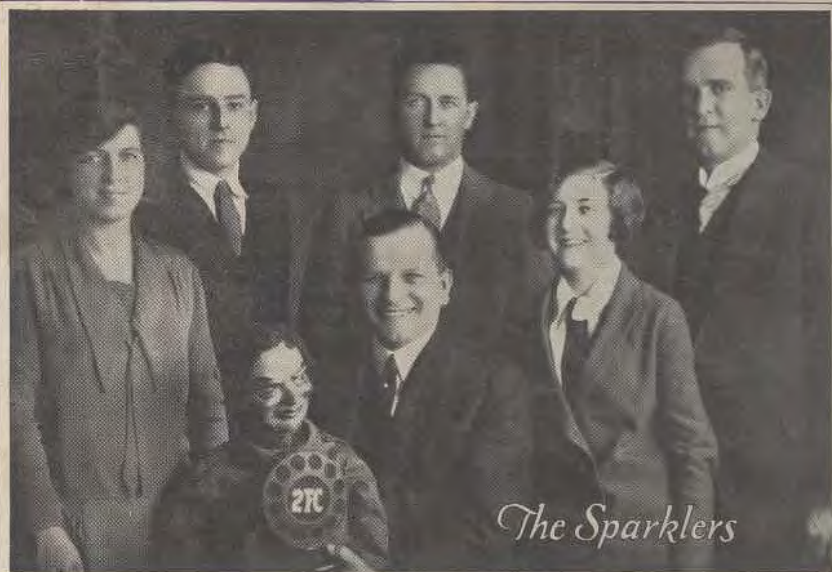
WIRELESS WEEKLY

Broadcast Programmes a Week in Advance

VOLUME 10

Registered at the G.P.O., Sydney, for
transmission by post as a Newspaper.

NUMBER 22



Friday, September 23, 1927.

Price Threepence

UNPARALLELED!



1 Dial
23
Stations
on
Loud Speaker
5 Valves
18 on
Frame Aerial.
11 without
Aerial

The Manager,
United Distributors, Ltd.
12 Clarence Street, Sydney.

Dear Sir:—The Udisco 5-Valve Super Neutrodyne set which you recently installed in the place of my son's obsolete 4-valve receiver surpasses my expectations. I am surprised not merely by its selectivity, but also, and perhaps still more, by the excellent tone and volume of its reception from distant stations. When the conditions are favourable, 310, 326, 331, and 334 are received with almost the same purity of tone and fullness of volume as the Sydney stations.

My son wishes to give you the following particulars.—We have received items broadcast by 23 stations—

N.S.W.: 310, 326, 329, 331, 334, 335, 336, 337, 338, 339, 340.

Victoria: 210, 211, 212, 213, 214, 215, 216, 217, 218.

Queensland: 440.

South Australia: 311, 312, 313, 314.

Tasmania: 721, 722.

New Zealand: 331, 332, 333.

All of these, except the items from 721 and 722, were received on the loud-speaker. With merely a frame aerial we have heard on the loud-speaker, eighteen stations. No less than eleven have been heard, on the loud-speaker, without any aerial at all.

Yours faithfully,
(Signed) G. G. NICHOLSON.

Chesham, Mount Street,
Hunter's Hill,
23rd May, 1927.

Home
Demon-
strations
FREE!

Easy
Terms

We challenge the whole Radio World to equal the phenomenal performance of the Udisco One-Dial SUPER-NEUT, in receiving 23 stations, including Manila and Japan, on a Loud-speaker. We challenge owners of any set in the Commonwealth, of no matter how many valves, to equal this performance of the set that embodies the new Fundamental Principle of Neutrodyne, invented by an Australian engineer and Patented by United Distributors Limited.

PRICES
Complete Set with
Accessories and
Loud Speaker, from
£42

Since going to press we have received a letter from an owner of a Udisco One-Dial 5-Valve Super-Neut, telling us he has with this set received 44 Stations on a Loud-speaker, including Manila and Japan. We hope to publish this letter in our next announcement, as soon as we have checked the list of stations given.

United Distributors Limited

72 Clarence Street and 28 Martin Place, SYDNEY.

343 Queen St., 27 Chesser St., 26 Queen St., Cr. Jervois Quay & Harris St., 66 Charles St.,
BRISBANE. ADELAIDE. PERTH. WELLINGTON, N.Z. LAUNCESTON,
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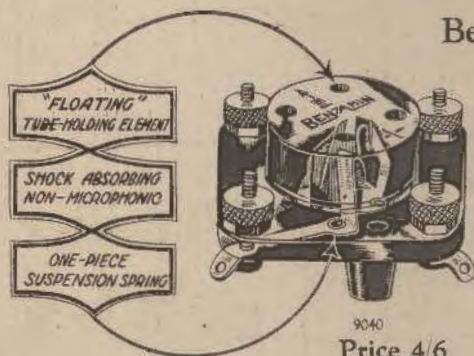
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THE Benjamin Cle-Ra-Tone "Push" Type Radio Socket

Shock-Absorbing
Spring-Supported

It is a socket of many distinctive
and individual features.

Non-microphonic; the greatest contribution to the noiseless operation of the set. The tube-holding element "floats" on finely tempered, accurately balanced springs.



Price 4/6

The suspension spring and contact member are made in one piece, eliminating high resistance joints. Soldering lugs or knurled nut for easy assembly.

Type No. 9049 (unassembled)

No. 9049 is without lower mounting base and is intended for direct panel mounting. They include a drilling template and four machine screws with nuts for attaching.

No. 9040 with mounting base - - - - - Price 4/6

No. 9049 without mounting base (for direct mounting to 1/8 inch panel) - - - - - Price 3/-



9049

Obtainable at all Radio Dealers or at

167/9 Queen Street,
Melbourne
Bowers Bldg, Charles St.,
Adelaide

Amalgamated Wireless
Australasia Ltd.

King and King Chambers,
Queen Street, Brisbane
Australasia Chambers,
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The Elec-Tru-Tone

gives you music!



Any old phonograph can now be easily and cheaply converted into a powerful instrument..

Improved reproduction of phonograph records by the use of the Elec-Tru-Tone will amaze you. No matter what kind of instrument you have you can change it instantly into one of the new electric reproducing machines. The Elec-Tru-Tone is simply placed over the tone arm and the plug inserted in the detector socket of your radio: the speaker is plugged in as usual. You will find this appliance a great hit at your next dance party or musical evening. Obtainable from leading Phonograph or Radio Stores, or from Harringtons.

PRICE £8:10:0

Harringtons LTD

Goodwill Built on
Public Confidence, Since 1888. S

386 GEORGE STREET, SYDNEY.

Also at Newcastle, Katoomba, Melbourne, Brisbane, Adelaide,
Wellington (N.Z.), Auckland (N.Z.).

The Planifier



If you do not have a Radio Set, you can use the Elec-Tru-Tone with the "Planifier"—a 2,000 ohm resistor, coupled amplifier, using the ordinary valves and power valve, with Batteries, as used in a Radio Set.

PRICE
£2:10:0

WIRELESS WEEKLY

VOL. 10, No. 23.

FRIDAY, 23rd SEPTEMBER, 1927.

Receivers from Various Countries Used in Australia

PROBABLY no country has the variety of receivers that we have in Australia: variety that is in the sources of supply. In addition to many very excellent Australian made sets there is a wide choice available of imported sets and components.

It looks as if the American imports exceed those of all other countries, both in complete sets and component parts—Europe has been about eighteen to twenty-four months behind America in the development and production of wireless receivers until recently. Now there are signs of Europe catching up in progress. Not all of the European countries show that progressive tendency, of course. The countries where radio seems to have won the public popularity most widely are Great Britain, Germany and Russia. Strangely enough France is not as well to the fore as might be expected.

Some may deplore the fact that so much radio material is imported. They would like to see manufactures grow in Australia to such an extent that foreign sets would be unnecessary. However admirable a policy it is to encourage a new secondary industry—and, of course, it is admirable and desirable—the progress of broadcasting should not suffer thereby. It is stated by some proponents of that policy that a practically prohibition tariff should be placed on foreign sets, so as to allow the local industry to be developed.

That policy might be carried too far: the general public may not have the facilities now available of making a selection from a wide range of designs from different countries. It is desirable to allow listeners

and home constructors to keep up with the advance of radio in countries where millions of pounds can be spent on research and development. That could be done, and at the same time reasonable facilities be given to Australian manufacturers.

England started off in 1922 by blocking the importation of sets for two years, and it is doubtful if the policy was a wise one for the public generally. Since that barrier was removed, the British manufacturers found that they could give more attention to the manufacture of sets for export as well as for local use, but the British export trade in radio is being challenged severely by Germany; it always was, of course, by America.

The export figures for 1925 and 1926 show a steady advance by Germany, and a decline both by England and America, and America exported £2,042,000 worth of radio goods in 1925, while in 1926 it decreased to £1,813,000. Great Britain's figures for the same years were £1,280,000 in 1925 and £1,266,000 in 1926. Germany, on the other hand, showed an increase as follows: 1925 exports amounted to £1,478,000, while in 1926 the figures were £1,581,000.

It looks as if Germany is making a determined bid for the export trade. There are not many German sets so far in evidence being tuned into Australian stations, but apparently the sets are being manufactured in quantity and sent to other countries. We can safely rely on Australian traders to see to it that German sets, if they do come in, are of efficient design and economical price.

Catching Up with the Wireless World.

By R. E. CORDER.



"LAST NIGHT I landed Madrid," said the angler who had become a radio fan, "but you should have heard the stations that got away."

EUROPEAN ENTHUSIASTS are taxed a small amount to pay for radio programmes. The Italian government is now planning to tax every householder, whether he owns a radio or not.

ONE OF 5CL'S HUMORISTS put over the air the other evening a joke which is worth repeating. He said that his neighbour possessed a railway receiver, and when asked what this was, he explained that it was one that whistled at every station.

THE "CARLOGRAM" is the name officially given to a photo, transmitted by the Telefunken-Carolus-Siemens system, which is now the subject of further experiments by the German and Austrian Post Offices. It is hoped that in the near future there will be a "Carlograph," as the transmitting instrument is called, in each of the leading post offices.

THE SHARP CRACK of a gun, a woman's scream, a mocking brutal laugh, and then silence. The younger man jumped to his feet, but the great detective calmly, removed his pipe from his mouth and remarked—"No use, Watson, it is all over," and as usual, he was correct. The announcement came clearly and distinctly, "5CL Adelaide, that completes our radio stunt for to-night, we have arranged another one for next Thursday."

FAME: Once upon a time press interviewers were the only people, apart from social moths, who sought the glamour of famous people. With the advent of photographic illustrating the camera man joined the reporters. Then the cinema blossomed and the movie "amboscor" came along with his cumbersome gear. Now broadcasters are added to the big list of those who add to the fame of the famous. Soon we will have the television, and then—what next?



To Loud Speakers

"Impossible" 's a word, fine wireless days,
The pessimist himself scarce dares to use,
For radio chiefs seem stirred to anew
Tas up an' doo,
An' things contrive that hand on in amaze,
Meist 'ev'ry day.

An' yot, s' a' the boom which listenin'
in
Hes brocht markin', it seems tas cu
ther's ans
That haves had, see fear as I hae seen.
The natter doo,
Which may explain, sir, why, in
Doric strain,
I write ye now,

There's few o' us, an' a' them I'm no'
ans,
Who haves whiles, in bed, a' restles
lain,
Tas too an' turn thers wi' a' thought-
throughed brain

An' sleepless hold,
Willin' tas swap 'meist a' that is o'er
sin

For sleep we need,
At times like these, an' 31.0 I ca',
Ma modest act 's aye there, sir, on the
we',
An' a' need tas doo (tak notice, a'
's tas clap the headphones on, an' cease
I fa'.

Asleep like deid,
Nae power 's hers the French style
scrier
Nor fa', I ma sin tas wis' that com-
pare,
Tel listenin' in his pen's cat'wuar
ware.

When thobets ferment,
Tas soothe the solar vlexus through
the cap-
Giff, sure, Hoay's-ent.

As aspeerit, listenin' in 's no' dear-
we' set an' License, say three pound
the year.

Sae, victims o' Insomnia, tak cheer
Frae what's brecht;
Cut out the dope, an', thank th'
advise sound sleep,
Try listenin' in.

LONDON TALKS on an average of three times a day to America over the recently established transatlantic telephone service. America talks to Europe about four times a day.

A NEW transformer, screened in perforated metal to prevent its magnetic field from affecting radio sets and having a safety device which turns a distinct color when the windings become too hot, was recently exhibited at Brussels.

THE NEW ZEALAND ferry steamers, s.s. "Wahine" and s.s. "Maori," running between Wellington and Lyttleton, have been installed with low-powered valve transmitters of 20 watts, capable of transmitting on I.C.W., in addition to the ship's main spark transmitter.

A POLISH landowner named Wyrezemski nearly lost his life a short time ago, when villagers attributed a violent thunderstorm to the evil agency of M. Wyrezemski's wireless set. As soon as the storm was over the villagers broke into the house, but M. Wyrezemski and his family escaped by pretending to have been struck by lightning. Their prostrate forms scared the villagers, who ran away panic-stricken.

THE N.S.W. POLICE Department has installed additional and more modern radio equipment for the tracking of evildoers. A 2k.w. transmitter, consisting of transmitting panel and rectifier panel, has been installed at Pennant Hills wireless station. This apparatus is "remote controlled," for while the equipment is located at Pennant Hills the control apparatus is situated at Police Headquarters in Phillip Street and consists of speech amplifier, microphone, monitoring receiver and Morse key. There is also a private telephone line between Police Headquarters and Pennant Hills Wireless Station. By means of this apparatus it is possible for the Police who maintain their own staff of operators, to transmit messages either in Morse code or speech to the Police Patrol motor cars, which are wireless equipped.



Some of the prominent professional and public men who talked to the world during the Empire Broadcasting experiment of 3LO recently. From left to right, they are: H. Kingsley Love (President of the Victorian Section of the Wireless Enthusiats), Professor Osborne, Bronston Miles, the Lord Mayor (Sir Stephen Morrell), Professor Loby, the Postmaster-General (Mr. W. G. Gibson), Arthur S. Baillies, The Archbishop of Melbourne (Dr. Harrington Lees) and Keith Murdoch (Managing Editor of the Melbourne "Herald").

A Fighting Parson at 3LO.

AMONG 3LO's more immediate arrangements are special lectures by two distinguished members of the clergy, both of whom have been in the news lately.

Monsignor Barry-Doyle, whose experiences as a war chaplain thrilled the world, has devoted his life to the care of poor orphans in the East. He told his story at the Assembly Hall on September 15. 3LO got into touch with him and arranged for him to talk on the radio so as to widen the area of his appeal for his orphans.

He has himself collected enough to feed and house 500 orphans. The need is much greater than he or any one man can cover. He seeks new funds to enable him to sell the present orphanage and erect one to house 1000 children.

The other clergyman who will speak through 3LO the following week is the Rev. E. E. Gribble, whose huge parish is in the waste places of Northern West Australia.

Mr. Gribble is a "fighting parson." He recently came into the limelight through reporting that the police had murdered blacks in his territory. Reviled and derided as a sensationalist and worse, Mr. Gribble stuck to his guns and insisted on an investigation. This resulted in a triumphant confirmation of his charges, and the arrest and trial of certain police concerned. A weaker man would have let the matter drop, for the lives of aborigines are held pretty cheap in that wild country. Not so Mr. Gribble. He has a passion for defending the

rights of this dwindling race, and it is of them he will talk on the air. He is to tell of their past, their present, and their future, as well as of their mission. Few more interesting talks have ever been arranged for broadcasting.

COMMUNITY SINGING.

The Dawn of a Greater Day.

The joy bells are ringing,
Our glad hearts are singing,
The dark clouds have parted,
The night's flown away.
No thought is forlorn now,
We've marched to the dawn now,
We've marched to the dawn now,
Of a greater day.

The above chorus of a well known song was sung at the Community Singing Session at the Studio of 3LO recently, and it is surprising the number of letters that have been received from all over Australia from listeners who were comforted by it. Some of them were old folk who in the evening of life find the burden of living wearisome, and others were from younger listeners who are troubled or stricken with illness or infirmities and found solace in the joyous efforts of the community singers.

The idea behind these community singing broadcasts from 3LO Melbourne every Tuesday at noon is to spread the gospel of cheer throughout the length and breadth of the land, and it is gratifying, indeed, to those concerned, that the efforts are giving such widespread pleasure.

"WIRELESS IN SCHOOLS."

IN view of the agitation by 3LO Melbourne for the establishment of a wireless service for schools and the steps taken by that station to provide such a service, it is interesting to learn that in England a committee of schoolmasters has been investigating under the auspices of the National Association of Schoolmasters (Great Britain), the question of wireless in its relation to teaching. They recommend, after taking evidence and making a thorough investigation, as follows:—

1. (a) Schools should be provided with approved receiving sets with loud speakers, which should constitute part of the school equipment; (b) An engineer should be employed by the local education authority for the maintenance of school receiving sets.

2. There should be a body set up under the joint auspices of the B.B.C. and the local education authorities of each broadcasting area for the purpose of advising in the selection of personnel and matter, and to interpret and transmit to the effective staff current ideals in education.

3. Broadcasting, in its employment as a method in primary education, should be confined to the following subjects: Music and singing, recitation, moral and religious instruction, drama, history, geography, and science.

—C.M.H.



The Safety Valve

Readers are urged to express their opinion on matters pertaining to broadcasting. If you have some grievance, if you have some constructive criticism to offer, here is your chance for expression—your safety valve. The editor assumes no responsibility for statements made by readers and published on this page, as opinions of correspondents do not represent our editorial policies or beliefs. Anonymous letters are not considered.

ATTENTION, MR. LYONS!

Dear Sir,—I notice Mr. F. J. Lyons' letter ("W.W.," 19/8/27) re my letter ("W.W.," 28/7/27), on daylight and night reception. The information given by Mr. Lyons is certainly of no benefit to me. One has only to compare our letters to see that the comments are practically the same, with the exception of 2FC daylight reception. His extra 2 valves would account for this. He also says "no trace of fading" from 3LO. As far as I am concerned this is ridiculous. One hears complaints all over the district re the fading of 3LO.

I would also like to mention that I base my comments on over two years' experience, and also on a 3 valve receiver (not a five), and I would point out that I did not make any complaints, merely registering my personal experiences.

One must admit it is necessary to have a five valve receiver for good daylight reception on loud speaker, but for loud speaker night reception I would not exchange my 3 valve (own make, and two years old) receiver for any 5 valve I have heard as regards selectivity, tone, true reproduction and volume, and these are the things most of us are trying hard to get. Hope I have not taken up too much of your space.

Yours, etc.,

H. V. MUTCH.

June.

TEN STATIONS ON THREE VALVES.

Dear Sir,—Since I substituted coils of a stouter gauge in the Three-valve Refractor, described in "Wireless Weekly," I picked up 4QG and 7ZL on the speaker. Hobart was somewhat faint, but quite clear, and 4QG quite good. So my log is now: 3CL, 5DN, 5KA, 5RM, 3LO, 3AR, 2BL, 2FC, 4QG, 7ZL. I congratulate you on printing this circuit.

Yours, etc.,

Walterville, S.A. E. G. HOWARD.

ON ITS OWN.

Dear Sir,—I was successful in picking up station G2NM Gerald Marcuse, Surrey, England, at about 4 p.m., Sunday afternoon (4th), on 32.5 metres, and again on Sunday (11th) on my "Wireless Weekly" short-wave receiver.

I was able to get good loud speaker strength, with a stage of amplification. Fading was troublesome at times, otherwise everything was good. His speech and music came in very clearly. He was heard calling 2ME (Sydney, Australia), saying that he heard their tests on 32 metres, which were very good. He also said that he would be on the lookout for 2FC special programme. His call went like this—

"Hallo, 2ME, Sydney, Australia, G2NM, Surrey, England, calling you."

He is not sure whether he is going on the air every night, or only Sundays.

I have tried several types of short-wave receivers, but this one is right out on its own.

Yours, etc.,

H. KELSICK.

Ceanock.

LIKE BEER.

Dear Sir,—Do you not think that this page could be put to better use than the criticism of broadcasting? For instance, if some of the circuits described in "Wireless Weekly" were commented upon by those who built them, as to their range, selectiveness, tonal qualities and the class of components used in their construction, some benefit would be derived by other readers than myself. Who cares whether Jack Johnson wants more church, or the Bishop of Umptyoo wants more fights and tin hars. I think radio sets are like good beer, all good, but some are better. Let some of your readers who are no doubt constructors of sets, give their experiences with their sets in the locality in which they reside. Then perhaps some of the programme growers will be able to pick and choose their programme and so get some enjoyment out of broadcasting.

Yours, etc.,

R. F. READON.

Fiji.

THE HARKNESS' REFLEX.

Dear Sir,—While reading in your paper this week in queries column, W.G.K., West Kyogle, asked the effective distance of 2-valve Harkness' Reflex Receiver, and also the best aerial to use. On my 2-valve Harkness, using an aerial 75 feet over all, I got 1QG, 2BL, 3LO, 2FC, 2KY on the loud speaker, and also 2UE, 3CL, 2GB and KGRM, Manila, on the phones. If they want any other than that for a 2-valve set, I do not think we could satisfy them. I have also used 50 feet of talking tape around the wall, but it made no difference in volume on the local station.

I have also sent a copy of the old reliable, "Good Old Dobbin," to N. R. Mathieson, and I hope he got it alright. I also built the shortwave 3 (15/7/27), but have not tried it on short-waves yet. On the local stations O.K. The stations I have got so far are: 2BL, 2FC, 2KY, 3AR, 5CL, 2GB, 2UE, 1YA and 2VK. I am writing these few lines to let you know what a reader has got with each receiver, but, for a family, Harkness every time.

Yours, etc.,

A. W. BREWER.

Bundamba, Queensland.

PERSEVERED 5 HOURS A NIGHT.

Dear Sir,—I am another of the large legion who read of criticism of 2FC, and their programmes. I also have read the letter of J. T. Walters ("Wireless Weekly" 22/7/27). In his letter he mentions that beginners are not sufficiently persevering enough. To me that is all piffle. When I purchased a five valve neodyne, I spent from 6.30 until 11.30 each night for the first six months to achieve this end. I believe I have succeeded.

When a radio set is introduced to the home a certain amount of enthusiasm directs one's steps along lines of perseverance. The desire for interstate reception is paramount and therefore does one exert one's utmost to bring these distant stations on the speaker. Naturally it follows perseverance is the keynote.

J. M. E. ODGERS.

Wellington.

Sunday Programmes

In order to give full rein to the controversy over the nature of the Sunday Broadcasting Programmes without crowding out the usual Safety Valve letters, it has become necessary to deal with them under a separate heading. Readers are invited to add their views to those already expressed.



PAYS FOR AMUSEMENT.

Dear Sir,—I have read Mr. Blair's letter and comments by different persons. Three cheers for Mr. Blair for opening the subject. Now, for my idea: Say one Sunday 2BL gives jazz, waltzes, etc., one Sunday for a few hours, 2FC gives a church service. Reversing the process next week, 2BL on church, 2FC on what I pay a license for—amusement.

I am like J. W. Boland, my set is never opened till 8.30 p.m. According to my large circle of fans eight or nine out of ten are the same. As for the ballot taken some time back, does J. Clifton Bassett know that people were instructed to vote for church services that had never seen a wireless set—told to my children for a start? They go to Sunday school when not touring, I myself would sooner hear music. If decent programmes were on of a Sunday, my set would be with me. Now for a grouch of my own, starting early morning session. How about 2FC on music to 7.30? 2BL, markets, etc., and vice versa the next half hour.

Now to the early evening session: music from one station 6 to 6.45, the other 6.45 to 7.30. The way things often are now 2BL talks to the kids till 6.52 or so and plays about eight minutes' music. 2FC will often make up a little and play till 7.10 or so. I say that the programmes are arranged rottenly at present, especially Sundays. Up till a little while ago we could get music from the pavilion, Circular Quay, till 9.30, then the other station would come on with music till 7. If things were worked on my plan I am sure it would help a good deal to popularise wireless. Thanks are due to 2UE for morning music and a few more stations like that are needed to fill in the gaps during the day, less church and kiddies' hour, and the average person would have a pleasure in tuning in.

Yours, etc.,

J. EMMERSON.

DO AND DON'T WANTS.

Dear Sir,—I will join the Blair Faction, the "Don' wants" and the "Do wants." I don't want market reports, stock exchange reports, time signals or advertising, because these do not interest me and cause me the inconvenience of tuning into another station when they come on. I consider, that because I do not like them, they should be eliminated from broadcast programmes, and my contention is as just and sensible as Blair's opinion that Church services should be cut out because he doesn't like them.

Blair, like his supporter, J. Clifton Bassett, is talking through his hat. The Sunday programmes are excellent, and church music is a change. The music heard later in the night compares favourably with that heard on any other night, and there are always plenty of band items which transmit well.

The broadcasting stations generally put on such excellent variety that these critics who presume to speak for the listeners generally are like

dogs baying at the moon, they don't know what they are howling at.

Yours, etc.,

P. ASTLEY.

Dubbo.

CHURCH WITH A CHIMNEY.

Dear Sir,—I have been reading Safety Valve for a long time, but Dreamy Drive! ("W.W.," 9/9/27) is the limit. He would rob the people outback of the church services, the children of their bedtime stories and all other things that go to entertain not one, but thousands, of people. My occupation doesn't allow me to be a sport or a wowser, and if it was not for the wireless I would not hear the description of much sport, and as for church service I always said I would go to church when it had a chimney on it, and I could smoke there, so now by the aid of wireless both have come per medium of my home. I enjoy it. What Dreamy Drive wants is a teething powder, not a wireless set.

Yours, etc.,

R. GILES.

Willoughby.

Sunday Programme] Plebiscite

Acting on the suggestion of a correspondent we publish below a questionnaire in which readers are invited to record their votes by placing a cross opposite the questions they favor. The votes will be counted and the result published in an early issue. Coupons should be forwarded to this office bearing the inscription "Sunday Programmes."

- (1) Are you in favour of eliminating all religious matter from the broadcasting programmes?
- (2) Are you in favour of the Sunday broadcasting programmes as given at present?

(3) Are you in favour of increasing the number of religious items in the Sunday broadcasting programmes?

(4) Are you in favour of decreasing the number of religious items in the Sunday broadcasting programmes?

(5) Are you in favour of any of the following changes in the present Sunday broadcasting programmes?

(a) Religious addresses instead of church services.

(b) More sacred music.

IMPORTANT: Indicate by means of a cross, if regular weekly religious services which you might attend are through any reason such as distance, home duties, etc., not available to you.

It's All in the Air

Coming Features in the
Broadcasting Programs

N.S.W. STATE CONSERVATORIUM ORCHESTRA.

NEGOTIATIONS have been completed for 2FC to present the N.S.W. State Conservatorium Orchestra in a programme of popular music. This will be given in the Sydney Town Hall, on Saturday evening, September 24, at 8 o'clock. The orchestra will be under the baton of the Director of the Conservatorium, Mr. Arundel Orchard, and they will present an essentially popular programme, including such items as the overture, "William Tell," "Nutsacker Suite," prelude and overture to "Lohengrin," selection from "Carmen" and others.

Alfred O'Shea, Australia's foremost tenor, will sing with the orchestra, the "Prize Song from Meistersingers" and "Questa e quella" from "Rigoletto." He will also be heard in "Bird Songs at Eventide" by Eric Coates.

Arrangements have also been made with J. C. Williamson, Ltd., for Miss Stella Wilson, who is at present appearing with the Gilbert and Sullivan Opera Company, to appear at this concert. She will be heard in items accompanied by the orchestra, as well as a group of popular songs.

A considerable time has elapsed since the Conservatorium Orchestra was heard at the Sydney Town Hall, and the opportunity of hearing items of a popular nature, associated with the appearance of two such famous artists, will feel sure be welcomed by everybody.

"LAUGH AND GROW FAT" has evidently been the motto of Mr. Syd. Fayne, the versatile humorist, who is getting in training with an object of compelling listeners to studio 3LO, Melbourne, to split their sides with mirth. They say that people who are ample of girth have a distinct sense of humor, and, this being the case, Mr. Fayne must surely be the Prince of Fun Makers, and, in no sense of the word, is he content to fill a small corner. His songs cover the type of humor that was so much in vogue



RADIO REVELERS who, led by Laurence Hulbert, give one of the brightest and most interesting programmes at 2FC. From left to right: Charles Lawrence, Laurence Hulbert, Jack Win, Wally Baynes, Peggy Paul, Gladys Finlayson, and Nora Winkle. On our front cover we reproduce the Sparkles, a company of entertainers who appear regularly at 2FC. From left to right they are: Percy Denton, Wilfred Thomas, Ervates Gibb, Maids Jones, Ervates Archer, Gus. Garing and Jerry are in the centre.

twenty years or more ago (when a joke was a joke, and everybody recognised it and laughed at it immediately) to the present-day kind of subtle humor, where the audience has to be very "quick on the up-take"—so all classes of mirth seeking listeners will be catered for. Mr. Fayne has been a successful member of the Melbourne concert world for some years past, and is all agog to get before the microphone to tell us one or two of his "specials."

A ROMANIAN SINGER: The other night, while waiting for her turn at 3LO's world-broadcast programme, Saffo Arnav talked to me in her delightful broken English. Though married to one of our finest pianists, Mr. William James, the singer has not yet learnt to speak her husband's language without all sorts of pretty inflections that don't really belong to it. She told me that soon she hopes to sing at 3LO, Melbourne, in six different languages in the one night. This is somewhat of a feat. Madne. Arnav is a Roumanian herself, and she speaks English, Russian, German, Italian, French, besides her own Slavonic tongue. Pretty, sparkling, gay, she is in real life the merry widow whose songs she has made so attractive over the wireless that the opera is to be repeated yet again at the beginning of October. These opera studio productions rank among the most popular items of the 3LO, Melbourne, programmes.

AH! THE TELEPHONE: Stories of behind the scenes are always interesting to theatre-goers. Likewise listeners are usually anxious to know how things are done at 3LO, Melbourne. Not many of the 500,000 people who listen-in daily to that station realise the most important part played by the telephone in the service of broadcasting. Not only is it indispensable in relaying outside programmes and ceremonies, procuring sporting results and keeping in contact with the hundreds of artists always engaged in programmes, but it is used most extensively by listeners who continually ring up seeking information about a thousand and one things—many not in any way connected with broadcasting. So frequent are the calls that the telephone attendants at 3LO, Melbourne, who have been specially trained at the Central Exchange, usually have one or two rings waiting to be answered. Many of the enquiries are trivial and annoying, yet, withal, the attendants give a patient and attentive hearing and reply courteously to all enquiries, whether they be connected with a lost dog or cat, the title of a song broadcast perhaps a month previously, the correct time, or the winner of the last race at Woop Woop. Verily their task is unenviable, and they must often desperately shriek in their dreams—"Yes, we are doing the wrestling tonight."

A 2FC MYSTERY

AT the close of the midnight programme recently broadcast from 2FC, an interesting problem arose. Someone said to the Chief (Mr. Anderson), "If there was a breakdown in your programme, and you had only a substitute and a soprano to choose from to fill the vacancy, which would you prefer? It may be that after a long and trying day (it was then about 1.30 am.) one's brain is not at its best, and even under normal conditions, a question of this kind is a matter for grave consideration; in any case the Chief seemed to find it difficult to decide and many and varied were the suggestions for and against. After fully discussing the matter, the party moved on to the roof garden to get the lift to the street level; the argument meanwhile being carried on with unabated vigour. Suddenly a voice said, "What's wrong with the lift? We've been in here half an hour." It was agreed something was wrong, and the mystery decided to find their way down and investigate. This was overruled by one stout-

hearted fellow, who said, "Don't be silly. Nobody rings the bell, I expect; anyway I'm stepping here till it does go down, if I stop here till dawn." Then you are likely to," said the Chief quietly, "because we are not in the lift at all." They had wandered into the refreshment cosy corner opposite the lift doors, no doubt well-known to listeners who visit the roof garden. Now come the real mystery. Just before the party made a move to the lift a stranger approached the Chief and handed him a sealed envelope telling him not to open it until he reached the street. When this was done, on a folded sheet inside was written, "When you and the others leave the Studio to-night, I shall tell you to go into the refreshment shelter in mistake for the lift." No one knows who the stranger was, no one knows how he got into or out of the building, but since that night, the Chief has a screen across the door of his office, and the party cash bar is kept locked. "Milk" swears with us and like the rest painfully sober.

LISTENERS will be glad to welcome Mr. Fred Walker to studio 3LO, Melbourne, for not only is he the fortunate possessor of a pleasing, well-trained, dramatic baritone voice, but has a most extensive repertoire of songs, many of them rare old favourites.

ON MONDAY, SEPTEMBER 26, the children have again been provided with a delightful treat in the shape of another entrancing fairy play by the clever pupils of Miss Yetty Landau—who is so well known for her own recitals "over the air" from studio 3LO, Melbourne, and for the clever entertainments provided by her young pupils. The last two plays were such a success, and so great were the number of requests for "more of the same kind" that the children have been rehearsing for weeks past, and their dainty trifle is sure to meet with the approval of the young people. The same little people who took part in the previous plays will again be before the microphone on this occasion—and will unfold the fairy story with song and dialogue. It may be remembered that none of the performers is over ten years of age—and some specially talented kiddies are included in the cast.

POPULAR VIOLINIST: That popular little violinist with the appealing personality, Maggie Foster, is to return to 3LO, Melbourne, in the last week of this month. Few artists have won such popularity on the radio. Thousands who saw her in vaudeville and were captivated by her winsome personality enjoy her broadcast music. There is nothing great about it. It is like herself, sweet and entertaining.

ANITA SHAW: Another artist engaged for the same week's programme at 3LO, Melbourne, is Anita Shaw, who will appear in songs and monologues. This, I believe, is Miss Shaw's first appearance since she left the stage to marry a Fitzroy (Vic.) merchant. She appeared here first in "No, no, Nanette" with Elsie Prince, and made friends of many playgoers. Romance cut short her stage career, but entertainers find it difficult to disappear altogether, and Miss Shaw probably finds broadcasting a nice middle way between the stage she has foresworn and the home-keeping career she exchanged it for.

TO MAINTAIN the specially high standard set by the Sunday programmes broadcast from 3LO come The Bernard Heinze Trio on Sunday, September 25th, consisting of piano, violin, and 'cello. The excellent musical fare provided by this artistic trio is too well known to need further comment in these pages, but their instrumental solos, duets and trios are often a revelation in technique, and are always a pleasing feature of the programmes, especially to the musical student, who has an opportunity of hearing how the great work of the old masters should be rendered.

BROADCASTING REBROADCAST: An interesting feature of the recent world broadcasting experiment by 3LO was the rebroadcasting of the programme by experimental station 3BY, which is controlled by Mr. Hector Holst's at Bumbra-road, Caulfield. Mr. Holst's excellent transmission was greatly appreciated by thousands of listeners who did not have receiving apparatus to enable them to tune in direct to the short-wave length used by 3LO to reach the other side of the world.



REBECC DE VRIES, who is playing the little role in "Madame Pompadour," who broadcast from both 2FC and 3LO.

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Type 201A: 6 volts, 25 .. 5/6
 Type UV199: 3 volts, 06 .. 6/9
 Type UX199: 3 volts, 06 .. 6/9
 Type T14: HF and DET., 6 volts, 25 .. 6/6
 Type 200A: Super Detector Valve. A better detector has not been made, 6 volts, 25 amps. .. 15/9
 Type KJ6: For resistance coupling, 6 volts, 25 .. 11/3

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A Compact 4-VALVE RECEIVER

As Described in This Issue.

	£	s.	d.
1 Lucerne, Hard Rubber, 14 x 7 x 3-16	0	5	6
1 Radiolux Screened Aerial Coil	1	5	0
1 Radiolux Screened Heinrich Coil	1	5	0
2 .00035 Eco Straight Line Condenser, 10/-	1	0	0
1 Advance Midget Condenser	0	6	0
4 Brachstata to Suit Valves, 4/9	0	19	0
4 Radion Valve Sockets, 3/6	0	14	0
2 A.W.A. Super Audio Transformers	1	16	0
2 1 Mfd. Dalajier Mansbridge Condensers	0	12	0
1 Grodon Radio Frequency Choke	0	8	9
1 Terminal Board	0	2	9
1 Det. Square Baseire	0	0	10
3 Longthi Spaghetti	0	0	9

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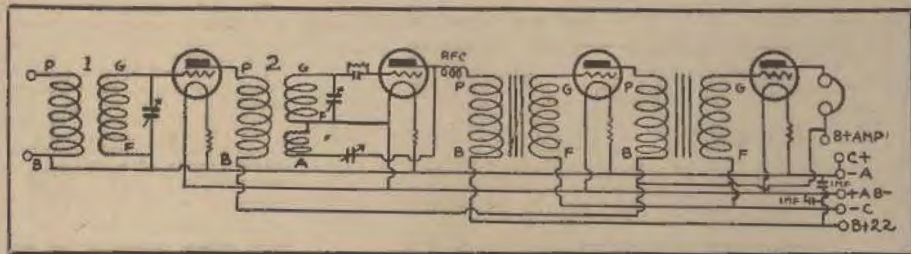
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The Universal Four Valve Receiver

Adding a Stage of Radio to the Reinartz

NOW that the winter season is closing on us and the spring and summer seasons are approaching, there are many readers equipped with three valve receivers employing the standard detector with two stages of audio frequency amplification, who will find that inter-State reception is beyond the power of their present receivers.

It is a well known fact the world over that the best reception season of the year is the winter season. This fact is contributed to by many reasons, the main one being the absence of static. Static is a product of the summer season, and its effect on radio reception over distances may be almost termed tragic.

Nothing is more annoying than to hear the presence of our old friend (?) static, when it is desired to hear the inter-State stations. At the best in the metropolitan area, it is quite a feat to hear inter-State stations consistently on the average three valve receiver. There are some, certainly, whose loud speaker will reproduce the inter-State stations with reasonable satisfaction during the summer, but the majority of three valve listeners are usually satisfied who have consistent head phone reception, with an occasional burst of loud speaker value just as a given night permits.

Of course, this rule does not apply to the many listeners whose homes are situated far beyond the shock excitation area of a high powered broadcasting station. For example, in Moss Vale or Berry, the average listener who owns a three valve set can hear all the year around inter-State stations at reasonably good loud speaker strength, irrespective of static, no matter how annoying static may be.

This effect is the result of being able to use a sensitive receiver without undue loss in sensitivity on account of the inclusion of the principle of selectivity in the receiver in question. Most wireless men will accept the statement that perhaps the most sensitive of all receivers is the well-known single circuit regenerative receiver, better known in this country as the PL. There are, of course, certain enthusiasts who claim that the Reinartz is infinitely more sensitive considering the degree of selectivity which is obtained by virtue of the ease of control of reaction.

This most potent fact of reaction is of extreme interest from many

points of view. In the standard regenerative receiver the reaction control is usually somewhat fierce in its action. This fierceness is comparable to a fierce clutch in a motor car, which although quite effective, renders best driving difficult until such times as the driver thoroughly understands the "feel" of the clutch. In a car this may take months to acquire this knowledge, and the same thing applies to the average standard regenerative receiver.

Where a receiver implies the Reinartz form of reaction, this fierceness is practically eliminated; in its stead there is a system of reaction which is smooth and easy to control. Hence, the favoritism displayed to the Reinartz receiver.

Until about twelve months ago, it was an extremely difficult matter to add a stage of radio frequency amplification to the standard Reinartz receiver. It was left to a very clever engineer employed by Messrs. Martin Copland, Ltd., to devise such a system which would yield the maximum efficiency with the minimum losses. Mr. D. L. Pendleton, engineer, in question, after several attempts at this idea, produced a receiver well known in this country as the Marco Four Valve Receiver. Much popularity was achieved by this receiver, and it certainly merited the fame it was given.

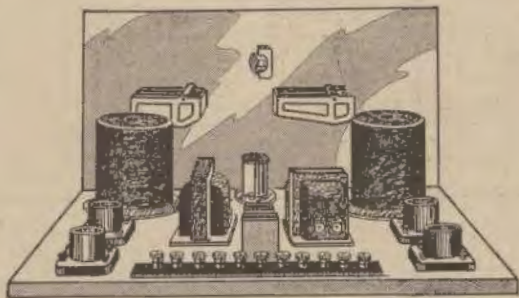
The receiver about to be described is an improvement on the Marco Four. All the advantages of this latter mentioned receiver has been included and nothing has been lost. Instead there has been gained an increase in selectivity, a saving in space, and a greater degree of compactness. The usual rheostats required to control the valves have been dispensed with entirely. In their places have been

Parts Required

Although the parts listed below and mentioned throughout the article were those actually used by us in the receiver described, it must be pointed out that it is not absolutely essential that they be rigidly adhered to.

Other parts of similar quality and technical values should function quite satisfactorily.

- 1 Dilecto or Radion Panel, 14 x 7 x 3-16.
- 1 Radiokes Screened Aerial Coil.
- 1 Radiokes Screened Reinartz Coil.
- 2 .00035 Brandes Condensers.
- 1 Advance Midret Condenser.
- 4 Brachstats to Suit Valves.
- 1 .0025 Wetless Grid Condenser, with Clips.
- 4 Radion Valve Sockets.
- 2 A.W.A. Super Audio Transformers.
- 2 1 mfd. Fixed Condensers.
- 1 Grodan R.F. Choke.
- Spaghetti, Busbar, Baseboard size, 13 x 12 x 2.
- 1 Terminal Board.



The receiver illustrated here is one employing one stage of radio frequency amplification, a detector to which is added the usual Reinartz reaction followed by two stages of transformer coupled audio frequency amplification. The average neodyne receiver makes use of two stages of R.F. amplification—a detector, and two stages of A.F. amplification without any scintilla of reaction, excepting that which is provided by the valves themselves, in their functioning. As this receiver does employ reaction of a very high order it should prove of great interest considering the value of the reaction. Hence, the name "Universal Four Valve Receiver."

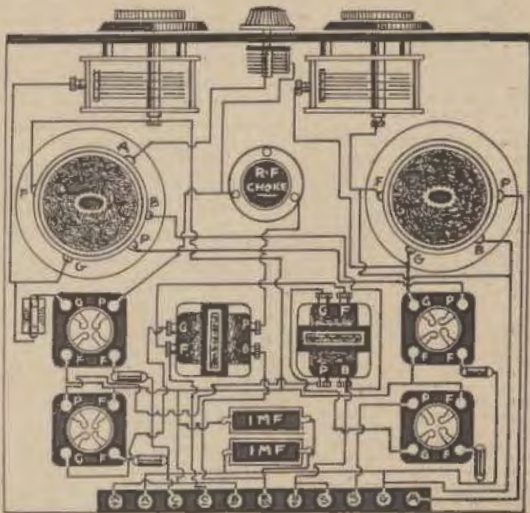
Glancing at the circuit diagram, the whole scheme is outlined. Those who can read a circuit will easily be able to pick out the different stages. It is also seen that the condenser which controls the reaction is one of the midget variety, this being sufficient capacity for the purposes required. Like most Reinartz circuits an R.F. choke is incorporated into the circuit, but the advisability of this unit must be determined by the particular make of transformer used in the first audio stage. With some transformers it may be dispensed with entirely; with others it is absolutely essential. The purpose it serves is to thrust the energy from the plate of the detector

substituted Amperites, these being an automatic filament control which supply the correct amperage from a given voltage to the valves used. For example, the recommended valves for this receiver are of the UX201A Radlotron type, which consume .25 of an amp. at 6 volts pressure. If these valves are used then the Amperite should be of the type known as 6 volt .25 amp.

Again, further tests we have carried out showed that the Corner Point One Valves function remarkably well, particularly when the special purpose valves designed by this manufacturer were used. To suit these valves an Amperite of 6 volts .1 amp. had to be substituted for the 6 volt .25 amps. already specified. Suppose again some other type of valve were preferred to those already specified, it behoves the constructor to obtain the correct type of Amperite to suit the valve used. One Amperite is required for each valve, the exception being, of course, when the two audio frequency valves are subjected to control by one Amperite, this, of course, being quite possible. Our advice to the reader is, that when purchasing these Amperites, the valve intended to be used be mentioned to the salesman or to the dealer, who will certainly guide you along the correct channels.

Coming back to the receiver itself, it may be interesting to discuss this. Over and over again in these pages have we pointed out the difference between radio frequency amplification and audio frequency amplification. Most people know that R.F. amplification is employed to boost up the weak incoming oscillations from a distant station. In the summer months when these distant stations are subjected to a decided loss in strength on account of static interference, etc., the usual plain detector is not suffi-

ciently sensitive to rectify these signals so that they are delivered to the listener at a sufficient strength to actuate the head phones or loud speaker. It is possible by using one or two stages of radio frequency amplification to build this signal strength up to such a stage that there is sufficient power to make the detector valve function, which otherwise would not, on account of the very weak power delivered to it.





valve back into the reaction circuit to serve the purpose of feed-back. Radio frequency energy, we know, always chooses the line of least resistance, hence the use of the choke, but if an audio transformer of a high primary impedance is used, this primary in itself may serve the purpose of the choke as described above.

Looking at the illustrations, a very compact layout will be seen. The two main tuning condensers have on the outside of each, a screened coil. One of the screened coils serves as the aerial coupling coil, and the other as the radio frequency coupling unit with reaction. Between the two main tuning condensers will be found the midge reaction condenser. Thus it will be seen that the three controls are incorporated into a very small space alongside of each other, therefore rendering tuning simplicity in the extreme.

As a means of saving space and creating short leads, the audio frequency end of the receiver is built immediately behind radio frequency and detector side. No loss due to interaction is produced in this instance, hence the reason for the shielded coils. If these shields were not employed, a certain amount of magnetic coupling and interaction would take place, rendering the whole receiver somewhat difficult of control, therefore producing dire consequences. The plan view shows the effective layout of the receiver, which on test, at Murrickville, was proved an extremely good type of four valve. Inter-State stations romped home with remarkable volume, and it was pleasing to hear just how effective was the result of judicious reaction. This midge condenser proved a boon.

The construction of this excellent receiver calls for little or no engineering skill. The average home constructor is given a few tools and employing the usual commonsense, can construct this receiver, with guaranteed success. To enable this prospect

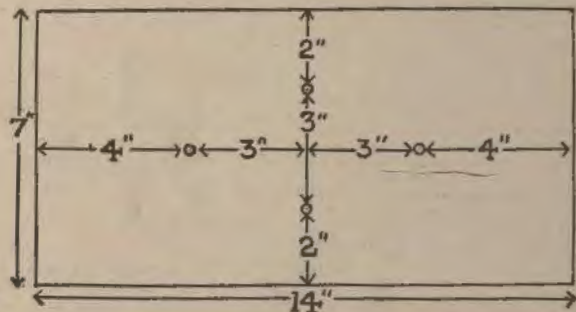
to be an actuality, the diagrams produced are clear in every detail. Considerable thought has been expended on the layout, and the constructor is advised to follow this in every detail, if maximum results are desired. The choice of brands of materials will be left to the constructor himself, although as a guide there is itemised elsewhere in this article the actual parts used in receiver tested. While it is not essential to strictly adhere to the brand specified, it should always be the aim of every constructor to use only the best materials for the best results. But please realise that it is absolutely necessary to adhere strictly to the values specified, as a difference in any one unit will naturally give a corresponding difference in results.

Begin the construction by preparing the panel. This should be trimmed off neatly, using a carpenter's scraper or a file for this purpose. Lay the panel on a flat surface and mark off in accordance with the diagram of the front panel included in this article. Centre punch each position, then using a small 1/8-in. diameter drill, drill a pilot hole. For the various parts mounted on the panel, a larger drill is required, but the fact of having a

pilot hole will make the drilling of the larger holes much simpler. Not shown on this panel drilling diagram, are the three holes required for fixing the panel to the baseboard. Make provision for these holes. When the drilling has been completed, mount the panel apparatus, then prepare the baseboard.

It is always wise to trim off the edges of a baseboard with a plane or something similar. Then treat the wood to one or two coats of shellac varnish which dries very quickly. When dry, mount the panel in position, then lay out the baseboard components as suggested by the plan view. Make sure that every part is screwed securely to the baseboard, then commence the wiring.

It is not necessary to give a full description of this wiring here; as the wiring diagram will be found sufficiently clear for all purposes. Follow this out and check off with the circuit diagram as you proceed, which will serve two purposes, one of making certain that no errors creep in and the other of giving an insight into reading of a circuit diagram. While wiring, it will be found a good suggestion to pencil off each wire as it is inserted into the receiver, thus avoiding duplications and troubles. Take the wiring carefully step by step, using either the orthodox method of busbar wiring or the much favored point to point system, which calls for spaghetti covering. If spaghetti covering is favored, then, under no circumstances, make use of the rubber spaghetti which ultimately perishes, but rather use the varnished cambric spaghetti, which has several lives in comparison to the perishable rubber. All the wiring can be kept low on the baseboard and different colored spaghetti can be resorted to, with a view to picking out each separate circuit should any trouble arise later on. Incidentally it will be worth while mentioning that it is not advis-



Diagnosing Signal Anaemia.

Weak Signals Usually Due to Deficiencies in the Set, Not the Air.

able to dispense with the 1 mfd. fixed condensers, and also it will be found later on that vernier dials are a distinct advantage from the point of view of tuning long distance stations.

The last wiring of all should be from the terminal board, which is also first consideration, when it comes to making up the batteries. Like all other receivers the power of the batteries is dependent on the valves used. The previous remarks concerning the "A" battery in relation to the Amperities and the valves used will apply here, but from the point of view of plate current a certain amount of consideration is necessary. There are some valves available which function better with a plate current of 45 volts than with the usual plate current of 22 volts. The Cosmar Plate One is a valve of this type, but the genuine Radiotron 201A will be found to give better results on 22 volt plate supply, than on 45 volts. There is usually enclosed with each valve a circular indenting the correct plate voltages for valves used under different conditions, such as detector and audio frequency amplifier.

As a suggestion, 90 to 120 volts may be used with success on both the radio valve and the audio valves with, say, 45 volts on the detector valve. Still try this and note the results. If the reaction condenser is fierce in its operation reduce the plate voltage on the detector valve to, say, 22 volts and a difference will be found.

The tuning of this receiver will be found very simple indeed. Rotate both dials in step until a station is located, then adjust the midrid condenser for the desired volume. It may be found that when the midrid condenser is all in a high pitched whistle will permeate the whole of the reception. If this is so, turn back until this whistle disappears and then retune slightly with both large condensers. A greater degree of volume will be found, which may again be increased by turning attention to the midrid condenser.

With the set built and illustrated, 3LO Melbourne, 1QG Brisbane, 5CL Adelaide, 2YA Wellington, 3AR Melbourne, as well as the Sydney stations 2GB, 2BH, and 2FC, all were heard at loud speaker volume with remarkable clarity and practically no interference excepting when 3LO faded and also 2YA faded. When this happened the nearest station to the wave length of each, more or less, took charge, but as this is a matter of location it should not worry the constructor in any way.

The aerial on which the receiver was tested at Marrickville is 78 feet over all in length, with the average height of 40 feet. Far better would it

WRAK signals are a never ending source of discomfiture to the radio listener. Sometimes they are weak by virtue of some external cause, but for the most part are created by some deficiency in the set or its auxiliary equipment.

The sun and various forms of atmospheric disturbances sap the vitality of radio waves, but in this day of high power there is usually a factor much nearer at hand than those forces of nature at the bottom of the trouble.

The following chart will give an accurate gauge by which many of the causes of weak signals may be determined and remedied.

Signals that gradually become weak after the set has been in use for some time are usually traceable to any one or possibly all of five deficiencies of the set.

The following table will tell what to test and the remedies to apply.

Cause.	Remedy.
Batteries may be completely run down.	Test dry cells with voltmeter. Test storage battery with hydrometer. Recharge storage battery or replace dry cells.

Rheostat or filament control knob may not be adjusted properly.	Turn rheostat further "on." If this does not remedy trouble reset is original adjustment.
---	---

Tubes may have lost electron emission.	Read instructions with tube for rejuvenation.
--	---

Set may not be tuned to exact setting-for-station.	Adjust controls for maximum volume.
--	-------------------------------------

Valves may not be functioning properly.	Try changing valves around in set.
---	------------------------------------

A low whistling sound with a sharp, crackling noise usually indicates that the B batteries are run down. There is only one remedy—new B batteries.

The reception of loud normal signals when the set is first turned on, which gradually grow weaker, means that the A battery is run down.

If you operate from dry cells replace them. Those using a storage battery will have it recharged until the hydrometer gives a full charge reading. This reading will vary with the specific gravity of the electrolyte, but will be somewhere between 1.275 and 1.300.

Poor quality when the loud speaker is first connected with the set is usually indicative of a reversed polarity of the speaker connections. Change them around.

A loss of signal strength immediately following a heavy storm, in which rain, snow, sleet or high winds have been a factor, generally uncovers the defects of the aerial installation. Cracked insulators break and permit the aerial to fall on some metallic or grounding substance or across some other antenna.

The latter gives rise to cracking the aerial to fall on some metallic or especially if the neighbour whose antenna you are touching tries to use his set at the same time you are on. The obvious thing to do is erect a new aerial. It is a good practice to replace your aerial equipment about once every year or eighteen months.

Next Week.

How to build the Klotz Two Valve Receiver, the most popular circuit in the ether-crowded Continent of Europe.

have been had the aerial been no longer than 60 feet over all; this interesting factor should be noted.

As a compact receiver to build into a gramophone cabinet this Universal Four Valve would prove ideal. The distance getting prohibitive, the simplicity of construction, the small space required to house the receiver will make this set well worthy of building. Few indeed there will be who will be disappointed with the results, provided the instructions are followed out with a certain amount of reason. As a final word, remember that worn-out batteries and a poor loud speaker will never permit any receiver to give of its best. So look to these adjuncts before condemning any set.

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Trickle charging, now the most convenient and most popular of all means of charging your radio "A" battery, was not possible until the development of the Balkite Trickle Charger. For Balkite was the first charger that could be connected permanently to your "A" battery and the light socket. It was the first charger that kept the battery always fully charged. And Balkite was the first charger that converted your battery into a complete power unit supplying "A" current from the light socket.

To-day there are over 400,000 Balkite Trickle Chargers in use. Just as it was first in making trickle charging possible, Balkite has always been first in popularity and number in use. Balkite is the standard trickle charger, tried and proved by use in the hands of its thousands of owners.

Like all Balkite Radio Power Units, this charger is a permanent

piece of equipment. It has no tubes and nothing to replace or renew. It is noiseless in operation and can usually be used during reception. It is very compact and small, and its current consumption is very low.

The Balkite Trickle Charger can be used as a trickle charger with any 6-volt radio "A" battery. Thus used it keeps your battery always at full power and in effect converts it into a light socket "A" power supply. With 4-volt batteries it can be used as an intermittent charger of the usual type. Or as a trickle charger if a resistance is added. Charging rate is approximately 1/2 ampere.

Add a Balkite Trickle Charger to your "A" battery. Know the convenience of permanent silent "A" power from the light socket always.

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Recent Radio Apparatus

AIRZONE BROWNING-DRAKE KIT

We have tested one of the new Browning-Drake Coil Kits, recently released by Messrs. Airzone Limited.

This unit will be eagerly sought after by those who favor the now universally popular four valve circuit.

In examining this kit, we have been struck by the thoroughness of its construction. In the first instance, a high grade bakelite has been used, and the wire is space wound in screw cut grooves; which does away with the use of any gum dope in securing the wire. This method gives an increased dielectric efficiency to the kit.

Another point worth noting is that silk enamelled wire has been chosen.

The enamel renders the coils absolutely non-hydroscopic; they therefore remain unaffected by humidity. This feature should ensure the highest efficiency in all weather conditions.

Each terminal is engraved with designating letters to facilitate wiring.



The rotor is mounted on a long spindle which works in metal bearings, designed to give a smooth rotary action.

In design the kit compares very closely to the standard Browning-Drake specification. Particular attention has been given to the primary winding, which is confined to a slot 1-16in. wide, situated immediately beneath the first turn of the secondary coil. This feature is apparently the secret of the extraordinary amplification obtained from a Browning-Drake Coil.

The finish and appearance of the kit is of such a standard that we feel sure it will more than satisfy those keen radio enthusiasts who desire the highest efficiency, combined with appearances.

THE GILFILLAN SIX VALVE KIT.

Amongst the best of the many Kits now upon the market must be listed the Gilfillan Six Valve Kit, which constitutes an advanced type of shielded Neutrodyne Circuit, rising tremendous distance together with exceptionally good tonal qualities.

An interesting feature of the Kit is that when put together it depends

for its tuning upon one tuning control only. The set is copper shielded throughout, and its assembling in accordance with the plan of assembly, which together with full detailed drawings and specifications, wiring diagrams and template, is furnished with each Kit, gives a most pleasing



appearance together with technically correct spacing and layout. The design of the Kit is in accord with the latest engineering practice, and the purchaser may feel quite sure of obtaining excellent results.

The Circuit incorporates three stages of radio frequency, detector and two audio frequency, so that its distance getting properties are quite apparent.

It is supplied complete in all respects, including a Gilfillan Four Gang Condenser, and is obtainable from any branch of Harringtons, Ltd.

A.W.A. SUPERAUDIO TRANSFORMER.

Of the shielded type, with a black crystalline finish, the A.W.A. Superaudio Transformer presents a neat and compact appearance, and has the



added advantage of possessing a response characteristic which is practically constant over the whole audio band of Broadcasting Programmes. Overall dimensions are—2 1/2 in. x 3 in. x 2 1/2 in. high.

Distributed Capacity and Magnetic Leakage are effectively held in check and thicker wire than is usual, combined with good quality insulation throughout, ensures adequate protection against burnouts. The insulation between the windings, core and frame is tested to withstand 1,000 volts.

This device is covered by the Guarantee of the makers, Amalgamated Wireless (A/asia), Limited. It is manufactured in four useful ratios:—3:1 to 1, 5:1 to 1, and 9:1 to 1.

THE PILOT ART DIAL.

As a combination de luxe model dial and fine control tuning device the Pilot Art Dial is without doubt one of the best we have seen. The design of the dial is a distinct advance both in shape and construction, and is a distinct improvement upon many that are now on the market.

The dial is adapted to both clockwise or anti-clockwise types, and so that tuning either way may be accomplished without difficulty, the dial markings are placed in combination, that is, white figures for clockwise



movement and black figures for anti-clockwise movement. This is an obvious advantage, especially in receivers, where different condensers are used.

The movement of the dial is particularly smooth, giving in effect a velvet vernier tuning control, which is highly necessary in these days, and which probably recommends the use of the dial particularly for short wave receivers. Although attractive, it is rugged and solid in construction, and is able to carry gang condensers without slippage or backlash.

Pilot parts, of course, are amongst the best known in this country, and may be obtained anywhere.

Our sample direct from The Pilot Electric Mfg. Co., Inc., New York, U.S.A.

RADIO

IN AUSTRALIA
& NEW ZEALAND
Incorporating 'Sea, Land and Air'.

ARTICLES IN THE SEPTEMBER ISSUE

Who is to Pay for Better Broadcasting? An article by J. Garrick Eisenberg, of the Radio Corporation of America, who suggests that the best solution of the better broadcasting problem in Australia is the merging of the tax and toll systems of broadcasting.

The Radio Maxims of Mac. The most humorous contribution yet received from Charles D. Maclurcan.

Wireless Beams Will Make Trans-Pacific Airways Safe. Why radio is the only means of true and safe navigation for aviators. How radio could make the Trans-Pacific flight possible.

Localising the Control of Your Neurodyne. Applying drum control to this famous circuit.

The Invicta Four. A receiver embodying the features of the Elstree Six and the Loftin-White circuits.

A Simple Crystal Receiver. Constructional data for the simplest of all receivers.

A Two Valve Reflex Receiver and An Article on Shielding.

The Best Shilling's Worth in Australia

"RADIO"

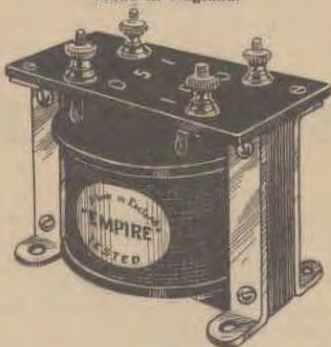
1/- On Sale This Week 1/-

GUARANTEED

in Quality --- Service --- Price

The "EMPIRE" Audio Frequency Transformer is made from the best of material, and is designed to give uniform amplification over the whole band of useful frequencies used in Loud Speaker Reproduction.

Made in England.



Small in Size,

10/6
each.

Big in Performance.

10/6
each.

Made in one Size only—4 to 1 Ratio. Guaranteed 12 months.

FULL STOCKS OF OTHER RELIABLE MAKES OF AUDIO FREQUENCY TRANSFORMERS.

JEFFERSON STAR, 6 to 1 and 3½ to 1, 16/6;	No. 41, 3½ to 1	18/6
EMMCO MIDGET, 5 to 1, 3½ to 1, 2 to 1		13/9
EMMCO STANDARD, 5 to 1, 3½ to 1, 2 to 1		17/6
EMMCO CAVALIER, 5 to 1, 3½ to 1, 2 to 1		21/-
AWA SUPER AUDIO, 5 to 1, 3½ to 1		18/6

Special Offers :

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UX 200 DETECTOR VALVE,
UX Base, 6 Volts.
6/- each.

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CONE SPEAKER
with 5ft. Cord.
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BROADCASTING PROGRAMMES

for the COMING WEEK

Friday, Sept. 23

2FC, SYDNEY.

Farmer's Broadcasting Service.

Wave Length, 442 Metres.

EARLY MORNING SESSION.

7 a.m. to 8 a.m.

MORNING SESSION.

8 a.m.—"Big Ben" and announcements.

10 a.m.—Studio music.

10.15 a.m.—"Sydney Morning Herald" news service.

10.25 a.m.—Studio music.

10.45 a.m.—Studio music.

11 a.m.—"Big Ben." Marching music for school children.

11.5 a.m.—A.P.A. and Reuters Cables.

12.1 p.m.—Studio music.

11.15 a.m.—A talk on home cooking and recipes by Miss Ruth Furst.

11.45 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and programme announcements.

12.3 p.m.—Stock Exchange, first call.

12.5 p.m.—Official weather forecast, rainfall.

1.1 p.m.—Studio music.

1.15 a.m.—Summary of "Sydney Morning Herald" news service. Rugby wireless news.

1.25 p.m.—Studio music.

1.30 p.m.—Marching music for school children.

12.40 p.m.—Eosie Brakell, contralto:

"Hindoo Song" (Hemberg).

NOTE: A description and results of the Dempsey-Tunney Fight will be given during this session.

12.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO.

1 p.m.—Studio music.

1 p.m.—"Big Ben." Weather intelligence.

1.5 p.m.—"Evening News" midday news service. Producers' Distributing Society's Report.

1.25 p.m.—THE OAK HALL INSTRUMENTAL TRIO.

1.25 p.m.—Stock Exchange, second call.

1.30 p.m.—Marching music for school children.

1.40 p.m.—Eosie Brakell, contralto:

"Autumn" (Rensald).

1.45 p.m.—Studio music.

1.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.

2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.

3.5 p.m.—Josie Freeman, contralto:

"Trees" (Rashbach).

3.7 p.m.—The Lyceum Theatre Orchestra.

3.15 p.m.—A reading.

3.25 p.m.—Doris Crossman, contralto:

"Lie there my Love" (MacCann).

3.30 p.m.—Marching music for school children.

3.40 p.m.—Frank Bonham, baritone:

"The Madoulin Love Song" (Pinetti).

3.45 p.m.—The Lyceum Theatre Orchestra:

3.55 p.m.—Kathleen Gule, mezzo:

"Ma Curly-Headed Baby" (Clatsani).

4 p.m.—"Big Ben." Gladys Aubin, soprano:

"A Gipsy Maiden" (L. Parker).

4.15 p.m.—The Lyceum Theatre Orchestra.

4.15 p.m.—Josie Freeman, contralto:

"You Lovely Thing" (Anderson).

4.20 p.m.—Frank Bonham, baritone.

4.25 p.m.—The Lyceum Theatre Orchestra.

4.30 p.m.—Doris Crossman, contralto:

"So Little Time" (Lohr).

4.34 p.m.—The Lyceum Theatre Orchestra.

4.40 p.m.—Gladys Aubin, soprano:

"You don't believe in Fairies" (Hope).

4.45 p.m.—Stock Exchange, third call.

4.47 p.m.—Kathleen Gule, mezzo:

"Love's Bhapsods" (d'Harlequin).

4.50 p.m.—The Westworth Symphonic Dance Orchestra.

5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.10 p.m.—The Chimes of 2FC.

5.15 p.m.—The "Hello Men" talks to the children.

5.20 p.m.—Story time for the young folk.

5.40 p.m.—Dinner music.

7 p.m.—"Big Ben." Latest sporting information via the 2FC Commissioner.

7.10 p.m.—Daggett's market reports (wool, wheat and stock).

7.15 p.m.—Fruit and vegetable markets.

7.30 p.m.—Weather and shipping news.

7.25 p.m.—"Evening News" late news service.

NIGHT SESSION.

7.35 p.m.—Programme announcements.

7.35 p.m.—Valter Hunter, under the auspices of the Australian Examination Board, will give a lecture on the "Glaucic" Measure. Mr. Hunt will recite "The Charge of the Light Brigade."

7.47 p.m.—William Bowyer, basso:

(a) "For the Green" (Lohr).

(b) "The Drover" (Stochaus).

7.55 p.m.—"What's your Birthday?"

7.57 p.m.—Details of the Dempsey-Tunney World Championship Fight.

8 p.m.—"Big Ben." The Prince Edward Theatre Orchestra, under the baton of Mr. Albert Casabon.

Mr. Leslie V. Harvey at the Grand Organ, with the Vocal Prologue to "BURN HUB" sung by Mr. John Prince.

The Orchestra will play the Overture to "Rienzi" (Wagner).

8.50 p.m.—A short talk on Bridge by Graham Kent.

9 p.m.—"Big Ben." Latest weather forecast.

NEW SOUTH WALES "A" AND "B" CLASS BROADCASTING STATIONS.

2FC—Farmer's Broadcasting Station, Ltd., Sydney, wavelength 442 metres, power 4000 watts.

2BL—Broadcasters' Ltd., Sydney, wavelength 522 metres, power 4000 watts.

2GB—Teleophiles' Broadcasting Station, Ltd., Sydney, wavelength 318 metres, power 2000 watts.

2KY—Roads and Labor Council, Sydney, wavelength 220 metres, power 1000 watts.

2UW—Otto Sandel, Sydney, wavelength 267 metres, power 500 watts.

2MK—Moeckler Bros., Bathurst, wavelength 278 metres, power 210 watts.

2UR—Electrical Utilities Supply Co., Sydney, wavelength 293 metres, power 250 watts.

2BR—Barron Electric Co., Sydney, wavelength 218 metres, 100 watts.

2HD—H. A. Douglas, Newcastle, wavelength 228 metres, 100 watts.

2.1 p.m.—A pianoforte Recital by Mr. Frank Hitebeus, Professor at the N.S.W. Conservatorium.

3.15 p.m.—Virginia Bassett, contralto.

3.18 p.m.—Scott Alexander will present the latest Martin Meeus dissertation, "The Imitable Art of History." Written specially for 2FC by Clodrigues Ball.

3.24 p.m.—William Graham Smith and William Bowyer, basso, Duets:

(a) "Poly Oliver" (Old English)

(b) "Watchmen! what of the Night" (Raczecki).

3.30 p.m.—Virginia Bassett, contralto.

3.34 p.m.—Frank Hitebeus, pianoforte solo.

3.38 p.m.—William Graham (tenor) and William Bowyer (bass) duet:

"Hail" (Sanderson).

3.52 p.m.—Scott Alexander will present Clodrigues Ball's latest Radio Tarco, entitled: "The Taster's Twistler."

10.2 p.m.—Virginia Bassett, contralto.

10.15 p.m.—The Prince Edward Theatre Orchestra conducted by Mr. Albert Casabon.

10.30 p.m.—The Westworth Symphonic Dance Orchestra under the baton of Mr. Cyril Kaye.

10.42 p.m.—Len Mautric, popular baritone.

10.47 p.m.—The Westworth Symphonic Dance Orchestra.

10.54 p.m.—Leo Maurice, baritone.

10.57 p.m.—Late news and announcements.

11 p.m.—"Big Ben." The Westworth Symphonic Dance Orchestra.

11.18 p.m.—Leo Maurice, baritone.

11.14 p.m.—The Westworth Symphonic Dance Orchestra.

11.20 p.m.—National Anthem.

Close down.

2BL, SYDNEY.

Broadcaster's Ltd.

Wave Length, 523 Metres.

Friday

EARLY MORNING SESSION.

7 a.m. to 8 a.m.

MORNING SESSION.

10.30 a.m.—G.P.O. Clock and chimes. Musical programme from Studio.

10.40 a.m.—News from the "Daily Telegraph" Pictorial.

10.50 a.m.—Musical programme from the studio.

11 a.m.—G.F.O. Clock and chimes. Announcement.

11.5 a.m.—Musical programme from the studio.

11.15 a.m.—Talk on "Crested" by Miss Gwen Varley. Broadcasters' Women's Sports Authority.

Social News— Replies to correspondents by Mrs. Jordan. Talk on "Best Meat Cut" by Mr. Osborne.

12 noon—G.P.O. Clock and chimes.

Special Ocean Forecast and weather report.

12.4 p.m.—Brunswick Panstropo Musical Herald.

12.15 p.m.—Information. Mail, Shipping and port directory.

12.18 p.m.—Basis in call by wireless.

12.19 p.m.—Daily Market report.

12.22 p.m.—Vegetable Market report.

12.24 p.m.—London Metal Market Report.

There are no rivals to the Philco.

12.25 p.m.—Dairy and Poultry Produce Market report.
 12.30 p.m.—G.P.O. Clock and chimes. Foreign Market report.
 12.32 p.m.—Fish Market report.
 12.34 p.m.—Habbit Market report.
 12.36 p.m.—News from the "Sun."
 12.40 p.m.—Hilfien Instrumental Quartet—direction—Caryl Castles.
 1.20 p.m.—G.P.O. Clock and chimes. Talk to children and special entertainment for Children in Hospital.
 2 p.m.—G.P.O. Clock and chimes. Close down.

AFTERNOON SESSION.

Racing information broadcast immediately after each race by courtesy of the "Sun."
 2 p.m.—G.P.O. Clock and chimes. News from the "Sun."
 2.15 p.m.—Civil Service Stores Trip—direction Miss de Courcy Browne.
 2.35 p.m.—G.P.O. Clock and chimes. News from the "Sun."
 2.45 p.m.—Country Women's Bazaar—its objects by Miss Wilkinson.
 2.50 p.m.—News from the "Sun."
 3 p.m.—G.P.O. Clock and chimes. Civil Service Stores Trip.
 3.15 p.m.—Serial Story.
 3.25 p.m.—Musical programme from the studio.
 3.35 p.m.—News from the "Sun."
 3.45 p.m.—Resume of day's programme.
 3.55 p.m.—Racing Resumes.
 4.00 p.m.—Special Overseas Forecast.
 4 p.m.—G.P.O. Clock and chimes. Close down.

EARLY EVENING SESSION.

4.45 p.m.—G.P.O. Clock and chimes. Childrens Session.
 5 p.m.—Musical programme from the studio.
 SPECIAL COUNTRY SESSION.
 5 p.m.—G.P.O. Clock and chimes. Australian Mercantile Land and Finances Co's Report.
 Weather report and forecast by courtesy of Govt. Meteorologist.
 Producers Distributing Society's fruits and Vegetable Market report.
 Stock Exchange reports.
 Grain and Fodder reports ("Sun.")
 Dairy Produce report ("Sun.")
 7.15 p.m.—Country News from the "Sun."
 7.20 p.m.—Talk by Mr. Gregory, of the N.A.M.A.
 7.30 p.m.—Talk on "Gardening Seasons" by Mr. Cooper, Park Superintendent, City Council.

8 p.m.—G.P.O. Clock and chimes. Broadcasters Topical Chorus.
 8 p.m.—Broadcasters light Orchestra under the direction of Mr. J. Knight Barrett.
 8.15 p.m.—Mr. Stan D'Arnell, comedian.
 8.20 p.m.—Mr. C. Pier, sketch troubadour.
 8.25 p.m.—Madame Guesneris Victor, soprano.
 8.45 p.m.—Mr. Kyrle Seltane, dramatic artist.
 8.54 p.m.—Weather report and forecast by courtesy of Mr. C. J. Mayes, Govt. Meteorologist.
 9.55 p.m.—Resume of following day's programme.
 9 p.m.—G.P.O. Clock and chimes.
 9 p.m.—Geo. Morrison and his Glomchessers broadcast from the ballroom of the Bondi Casino.
 11 p.m.—Broadcasters all Sports Expert will talk on Football.
 9.25 p.m.—Broadcasters light orchestra.
 9.34 p.m.—Mr. Alan Cobby.
 9.47 p.m.—Geo. Morrison and his Glomchessers broadcast from the ballroom of the Bondi Casino.
 9.55 p.m.—The Sporting Editor of the "Sun" will talk on the prospects of Saturday's football.
 10.15 p.m.—Broadcasters Light Orchestra.
 10.23 p.m.—Mr. C. Pier.
 10.30 p.m.—Geo. Morrison and his Glomchessers broadcast from the ballroom of the Bondi Casino.
 10.45 p.m.—Mr. Kyrle Seltane.
 10.57 p.m.—"Sun"
 10.58 p.m.—Geo. Morrison and his Glomchessers broadcast from the ballroom of the Bondi Casino.
 11 p.m.—G.P.O. Clock and chimes. National Anthem.

2GB, SYDNEY

Theosophical Broadcasting Service.

Wave Length, 316 Metres.

Friday, MORNING SESSION.

9 a.m.—Music.
 9.5 a.m.—Choirin Talk.
 10.15 a.m.—Music.
 9.55 a.m.—Psychological Class.
 10.40 a.m.—Music.
 10.45 a.m.—Habbit and disc.
 10 a.m.—Close down.

AFTERNOON SESSION.

3.50 p.m.—Music.
 3.57 p.m.—Address: Professor Ernest Wood.
 4.25 p.m.—Music.
 4.7 p.m.—Address, Political; National Association of N.S.W.
 4.53 p.m.—Music.
 4.55 p.m.—Close down.

EVENING SESSION.

7 p.m.—Music.
 7.5 p.m.—Dr. P. K. Rowat.
 1.15 p.m.—Music: Instrumental Trio.
 7.25 p.m.—National Association of N.S.W.
 9 p.m.—Instrumental Trio: Dan Scully, Marielle Lang, Ada Brook.
 8.10 p.m.—Songs by Mr. Harold Cobb.
 8.15 p.m.—An hour with the 25th Instrumental Trio: Dan Scully, Marielle Lang, Ada Brook.
 8.45 p.m.—Piano solo: Miss Cobb.
 8.54 p.m.—Vocal solo, Marielle Lang: 1. "Solitude on the Mountain" (Bell). 2. "Spruce Branches" (Davison).
 9 p.m.—Professor Ernest Wood.
 9.15 p.m.—Piano solo, Ada Brook: 1. "Water Wagtail" (Orry Scott). 2. "Devotion" (Schumann-Liszt).
 9.24 p.m.—Songs by Harold Cobb.
 9.37 p.m.—Vocal solo, Monica Harder: 1. "Meditation" (Gakanoct). 2. "Tomburn" (Cobb).
 9.45 p.m.—Political Address by National Association of N.S.W.

2UW, SYDNEY

Sandel Radio, Ltd.

Wave Length, 267 Metres.

Friday.

MORNING SESSION.

8 a.m.—News: Shipping; Daily Musical Items
 8.45 a.m.—Women's Session.
 9.29 a.m.—Resume of forward programme.
 10 a.m.—Close down.

AFTERNOON SESSION.

2 p.m.—Studio items.
 2.45 p.m.—Resume of forward programme.
 2 p.m.—Close down.
 1 p.m.—Studio items.
 3.40 p.m.—Resume of forward programme.
 4 p.m.—Close down.

EVENING SESSION.

7 p.m.—Where to Go.
 7.10 p.m.—Radio Room.
 7.40 p.m.—Mrs. Greenwood: Talk on "Brekes, and Breking on Level and Hills."
 7.50 p.m.—Studio items.

NIGHT SESSION.

8 p.m.—Mr. George Manuel, tenor: "A Castilian Lament" (De Heigel).
 8.15 p.m.—Miss Jeanne Falzonen, Pianoforte solo: Selected.
 8.15 p.m.—Studio selections.
 8.18 p.m.—Miss Jeanne Falzonen: Pianoforte solo: Selected.
 8.19 p.m.—Studio selections.
 8.27 p.m.—Mr. George Manuel, tenor: (a) "Dr. Winky of Song" (Woodhouse). (b) "Were My Sing with Wings Provided" (Hahn).
 8.30 p.m.—Studio selections.
 8.35 p.m.—Miss Jeanne Falzonen, Pianoforte solo: Selected.
 8.44 p.m.—Mr. George Manuel, tenor: "What a Wonderful World it Would Be."
 8.45 p.m.—Miss Jeanne Falzonen, Pianoforte solo: Selected.
 8.48 p.m.—Mr. George F. Manoel, Tenor: "Who is Sylvia."
 5 p.m.—Studio items.
 9.25 p.m.—Resume of forward programme.
 9.30 p.m.—Close down.

INTERSTATE "A" AND "B" CLASS BROADCASTING STATIONS.

3LO.—Broadcasting Company of Australia, Ltd., Melbourne, wavelength 371 metres, power 2000 watts.
 3AR.—Associated Radio Co., Ltd., Melbourne, wavelength 516 metres, power 4000 watts.
 4UG.—Greenland Radio Service, Brisbane, wavelength 532 metres, power 3600 watts.
 4CL.—Central Broadcasters' Ltd., Adelaide, wavelength 336 metres, power 5000 watts.
 4WF.—Western Farmers, Ltd., Perth, wavelength 1235 metres, power 5000 watts.
 7FL.—Tasmanian Broadcasters, Ltd., Hobart, wavelength 285 metres, 3000 watts.
 DDB.—Druileigh Business and Technical College, Melbourne, wavelength 256 metres, power 500 watts.
 HIZ.—J. J. Nilson & Co., Melbourne, wavelength 318 metres, power 148 watts.
 4DB.—Cold Radio Electric Service, Townsville, Queensland, wavelength 354 metres, power 188 watts.
 3KA.—Sport Radio Broadcasting Station, Adelaide, wavelength 346 metres, power 1500 watts.
 4DN.—3DN Pty. Ltd., Adelaide, wavelength 315 metres, 500 watts.

3LO, MELBOURNE

Broadcasting Co. of Ausl.

Wave Length, 371 Metres.

Friday.

12.8 noon.—MIDDAY SESSION.
 12.8 noon.—Time Signal; Metal Prices received by the Australian Press Association from the London Stock Exchange this day; British Official Wireless News from Rugby; Reuter's and the Australian Press Association Cables; "Argus" News Service.
 12.25 p.m.—WENDLING AND MOLLOY, Entertainers: "She Knows Her Orions" (Pollack). "Lay Me Down to Sleep in Carols" (Folck).
 12.35 p.m.—STUDIO QUARTETTE: Walk, "Gros Wein" (Strauss).
 12.40 p.m.—Stock Exchange Information.
 12.45 p.m.—JAMES RILEY, Tenor: "Somebody's Voice is Calling" (Tate). "The Star" (Kopera).
 12.55 p.m.—STATION TRIO: "Hungarian Dance No. 15" (Strauss).
 1.0 p.m.—3LO's Time Signal.
 1.1 p.m.—ERN TROTMAN, Comedian: "Business on Grand Opera" with Nazajino.
 1.3 p.m.—Meteorological Information: Weather Synopsis for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Reports for Victoria, Tasmania, South Australia and New South Wales.
 1.35 p.m.—STUDIO QUARTETTE: "Interludes" from "Pavina's Marriage" (Crist).

The World's Flyers carried Burgess.



WIRELESS WEEKLY

*— but no distortion,
of Tonal Quality*

That, after all, is what you really seek from your set. The "Advance" Audio Frequency Transformer has been specially designed to give you pure-toned volume—to increase the clarity and strength of your reception. The name "Advance" is a guarantee of its electrical and mechanical perfection. Made in ratios of 2-1, 3½-1, and 5-1.



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ADVANCE

AUDIO FREQUENCY
TRANSFORMER

17/6

123 p.m.—**ELISE BOWER AND BILLY RUTHERFORD:**
Selections from their repertoire.

137 p.m.—**TAMBA TIERNAN, Cello:**
"Reverie" (Vivaldi).

144 p.m.—**STUDIO QUARTETTE:**
Beethoven, "Nature's Aurorian" (Brooks).
2.00 p.m.—Close Down.

2.18 p.m.—Description of Walter Handicap Ballarat Miners' Races, by "Musket" of "The Sporting Globe".

2.19 p.m.—Musical Programme transmitted from Moore, Hill and Co.'s Stand at the ROYAL AGRICULTURAL SHOW GROUND, Autone Selection, "Don't Miss Aloha".

2.30 p.m.—Description of **CARLTON CHASE.**
Singer, "Hambula Mout," FRANCES LEA. Song, "If You See Sally".

2.31 p.m.—Description of **CARLTON CHASE.**
Short Stories, **CARLTON CHASE.**

2.43 p.m.—Description of Novice Handicap Ballarat Miners' Races, by "Musket," of "The Sporting Globe".

2.50 p.m.—Close Down.

AFTERNOON SESSION.

3.0 p.m.—**STUDIO QUARTETTE:**
"Masquita and Nocturne".

3.10 p.m.—**KILLEN CASTLES, Soprano:**
"Waltz Song" (Russo and Juliet).

3.18 p.m.—Description of September Handicap Ballarat Miners' Races, by "Musket," of "The Sporting Globe".

3.20 p.m.—**MISS FRANCES FRASER:**
"A German Idol".

3.37 p.m.—**STATION TRIO:**
"Serenade" (Berg).

3.45 p.m.—Description of British Handicap Ballarat Miners' Races, by "Musket," of "The Sporting Globe".

3.50 p.m.—**ERN TROTSMAN, Comedian:**
"The Cup Winner."
"As a Musical Evening."

3.57 p.m.—**EDWARD H. DUNN, Violin:**
"Robin Hood" (Kewell).
"The Howay" (Kevin-Krolier).

4.1 p.m.—**FILLEN CASTLER, Soprano:**
"Merce Dilente" (Vesali).
"Calla-Herra" (Vesali).

4.13 p.m.—Description of Novice Pony Race, Ballarat Miners' Races, by "Musket," of "The Sporting Globe".

4.20 p.m.—**ELISE BOWER AND BILLY RUTHERFORD** will entertain you with selections from their repertoire.

4.35 p.m.—**M. H. CALLOWAY MAHOOD:**
"The Art of Deception".

4.45 p.m.—"Herald" News Service. Stock Exchange Information.

4.46 p.m.—Description of Firing Handicap Ballarat Miners' Races, by "Musket," of "The Sporting Globe".

5.0 p.m.—Close Down.

EVENING SESSION.

5.30 p.m.—Answers to Children's Letters and Birthday Greetings by **BILLY HUNNY.**

6.0 p.m.—**CLIFF BRADSHAW** has two funny little songs to sing to the children.

6.1 p.m.—"BILLY HUNNY" will tell you some more:
"Tell me why starlets start autumn."
6.17 p.m.—**CLIFF BRADSHAW** will now sing two something new animals.

6.20 p.m.—"BILLY HUNNY" will continue "The Hazy of the Treasure Seekers".

6.40 p.m.—"Herald" News Service. Weather Synopsis. Domestic Information.

6.47 p.m.—Stock Exchange Information.

6.53 p.m.—Fish Market Reports by J. B. Dorsett Ltd., Rabbit Prices.

6.55 p.m.—Bird Report.

6.58 p.m.—Newmarket Sheep Sales by the Associated Stock and Station Agents, Bourke Street, Melbourne; Market Reports by the Victoria Producers' Co-operative Company Ltd.; Poultry, Grain, Hay, Straws, Fresh Dairy Produce, Potatoes and Onions.

7.10 p.m.—Market Reports of Fruit by the Victorian Fruitgrowers' Association.

NIGHT SESSION.

7.15 p.m.—Under the auspices of the Department of Agriculture, Mr. R. G. HARRIS, Senior Potato Inspector:
"Inspection of Potatoes and Onions".

7.20 p.m.—**REV. E. W. GIBBLE:**
"The Aborigines—Their past, present, future and mission."

7.45 p.m.—COLLINGWOOD CITIZENS'

BAND:
Overture, "La Vivandaise."
March, "Inimitable Eagle."
7.55 p.m.—**MR. R. K. LOVE** will give his weekly "Lift-out" announcements.

Mr. Love will be glad to attend to your wireless difficulties, and we ask you to write to him for any advice that you may require.

8.0 p.m.—COLLINGWOOD CITIZENS'

BAND:
Tombola Solo, "The Victory".

8.17 p.m.—**WINDLING AND MOLLOY, Entertainers:**
"What Gave Me Wonderful Dreams" (Nichols).

"What Has Become of Hinky Dinky Parley Voo" (McGlash).

8.17 p.m.—**MR. C. J. WILLIAMS** will comment on:
"Fecundness Nibbles Rudolph Bryant."

8.27 p.m.—**JAMES HILLY, Tenor:**
"La Donna a Mobile" (Vesali).
"Song of My Heart" (Lohr).

8.34 p.m.—**COLLINGWOOD CITIZENS' WALTZ, "POWER."**

NIGHT SESSION.

8.41 p.m.—**ELISE BOWER AND BILLY RUTHERFORD:**
Selections from their Repertoire.

8.53 p.m.—"China and its relation to Pacific Possibilities," by an Australian.

9.0 p.m.—**EILEEN CASTLES, Soprano:**
"La Herra Boss" (Arditi).

"Song My Mother Taught Me" (Dvorak).
9.17 p.m.—**COLLINGWOOD CITIZENS' BAND:**
Selection, "Songs of Wales."

9.23 p.m.—**MELBOURNE CHORAL UNION:**
"Lullaby" (Rohman).
"Irish Tune from County Derry" (Geisinger).
"Annie Laurie" (By request).

9.37 p.m.—**CARIBIAN, Mr. N. A. Walls, Sporting Editor of "The Argus" and "Assassination"** will speak on to-morrow's races.

9.45 p.m.—**EILEEN CASTLES, Soprano:**
"Anze Maria" (Assange).

"Dream of Day Old" (German).
9.54 p.m.—**COLLINGWOOD CITIZENS' BAND:**
Cora, "Duet," "Humante".

Fox-trot, "R. B. de Merico".
10.4 p.m.—"Argus" News Service; Meteorological Information; British Official Wireless News from Rugby.

10.14 p.m.—**JAMES HAY, Tenor:**
"Parley" (Toot).

"Firearm" (Col. Taylor).
10.21 p.m.—**COLLINGWOOD CITIZENS' BAND:**
Grand March, "Aida".
Hymn, "Heaven, My Goal, to Thee."

NEW ZEALAND STATIONS:

(Corrected List.)

1YA, Auckland, The Radio Broadcasting Co. of New Zealand, Ltd.

Power 500 Watts; Wave-length, 333 Metres; Silent Night, Monday.

2YA, Wellington, The Radio Broadcasting Co. of New Zealand, Ltd.

Power 4000 Watts; Wave-length, 42 Metres.

3YA, Christchurch, The Radio Broadcasting Co. of New Zealand, Ltd.

Power 300 Watts; Wave-length, 396 Metres. Silent Night, Thursday.

4YA, Dunedin, The Radio Broadcasting Ltd. Co. of New Zealand, Ltd.

Power 750 Watts; Wave-length, 453 Metres.

10.30 p.m.—Road Notes, supplied by the Royal Automobile Club of Victoria. Announcements: THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TODAY'S FOR:

MOTORISTS: "Carefully, first, last, always—in your car under control!"

10.37 p.m.—**MR. ERN TROTSMAN, Comedian:**
"Do Come to Town".

"My Shanty, W. Underneath".

10.44 p.m.—**HAM JOHNSON'S MONTE CARLO SINFONISTRA!**
"What the Devil's Underneath".
"You're the One for Me".
"Mignnette".

"In An Oriental Garden".
10.50 p.m.—"High hour of the night" voices and horn by solo and duet, but must be turned by the like, else it wainthit as soon as it appears to the world."

11.1 p.m.—**HAM JOHNSON'S MONTE CARLO ORCHESTRA.**
Sir P. Sinker.

11.45 p.m.—**GOD SAVE THE KING.**

4QG, BRISBANE

Queensland Radio Service

Wave Length, 385 Metres.

Friday.

MIDDAY SESSION.

1.0 p.m.—Market reports; weather information; "The Daily Mail" and "The Daily Standard" news.

FROM HOTEL CARLTON:
1.35 p.m.—Lunch hour music played by Hotel Carlton Symphonic Orchestra.

FROM OBSERVATORY:
1.45 p.m.—Standard time signal.

2.0 p.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—A programme of music from the Studio.

4.15 p.m.—"The Telegraph" news.
4.30 p.m.—Close down.

EARLY EVENING SESSION.

5.0 p.m.—"Daily Standard" news; weather information; announcements.

5.15 p.m.—A Talk under the auspices of the Queensland Radio Transmitters League.

5.30 p.m.—Bulletin stories by "The Bandman".

5.45 p.m.—Weather, stock reports; announcements; "Daily Standard" news.

7.0 p.m.—Standard time signal.

7.15 p.m.—Lectures, "East African Memories" by Mr. J. P. Reid (Editor, Queensland Agricultural Journal).

NIGHT SESSION.

THE FEDERAL BAND.

Tonight's programme will comprise a special recital by the Federal Band (conductor, Mr. W. H. Davis).

FROM THE STUDIO.

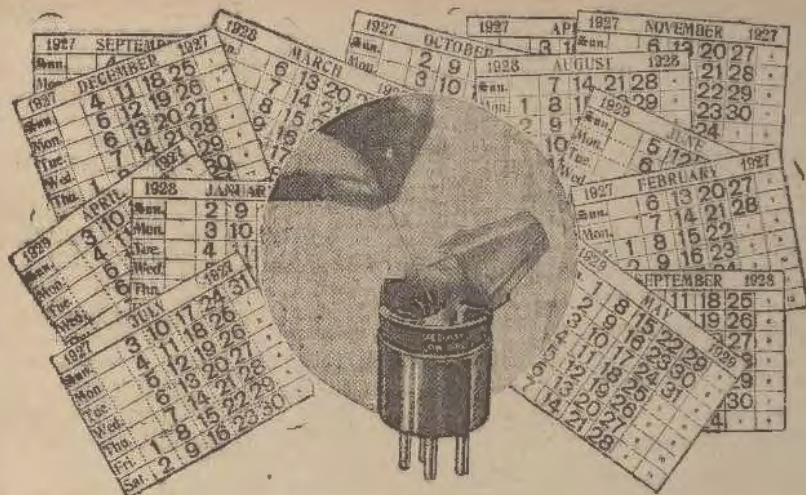
8.0 p.m.—March, "The Black Knight" (Hummel).
Alone" (Singer). Mr. E. L. Moran; xylophone solo, "Happy Days" (Sweeney). Master G. Cousins; recitation, "My Only Pal" (Personal). Mr. Jas. Gray; overture, "Light Cavalry" (Suppe). The Federal Band; soprano solo, "Ave Maria" (Primi). Miss Selena; Gerdwin; pianoforte solo, "Lullaby" (Toot).

"Lullaby—To the Spring" (Hummel). Miss Lilian Cahill; comic solo, selected, Mr. M. Murray; song selection, Mrs. "Daisy Jones" (Hummel). Mr. "Tartan" Paul band accompaniment; song, "Drink to Me Only" (Gullitt). Mr. E. L. Moran.

9.0 p.m.—Metropolitan weather forecast; week-end road information by motorists; officially supplied by the Royal Automobile Club of Queensland; song, "Moonlight" (Pavoni).

Main Street (Hall). "Maiden Song" (Contra); concert duet, "Elegance" (Loveridge).

Wears, Davis and Smith (with band accompaniment); "Mighty" (Macmorris).
Murray (Larkay), the Federal Band; vocal solo, selected, Mr. J. McMorris;



1927—1928—1929

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Never before in the history of valve making have such remarkable results been possible. Only the new Kalenised filament could have successfully withstood such a drastic test.

The reason is obvious. The Cossor

Kalenised filament gives off a torrent of electrons practically without rest. Certainly no glow is visible when the valve is working. Next is the destructive influence which sets up crystallization in the ordinary filament. The molecules become displaced—a weak spot occurs—and, suddenly without warning, the filament fractures. All this is now ended. The Cossor is the only valve to be fitted with the Kalenised filament. It is, indeed, the real long life valve. You as a shrewd wireless enthusiast will choose the valve which will last longest with the least consumption of current. That is why you will want the Cossor Point One—the Dull Emmitter taking only one-third of an ampere.

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Listen-in to the "Cossor Musical Hour" every Tuesday Night, 8 p.m. to 9 p.m., from Station 2BL Sydney

supran solo, "Ave Maria" (Gounod), Miss
Sylvia Gwynn; Original Vocal, "Chinese
Moon" (Nasbain), the Federal Band; gram-
mat solo, "Stars and Stripes" (Gusano), Mr.
Vic. Kroner; (with band accompaniment);
brass, "God Be With You Till We Meet
Again" (Broun), the Federal Band.
10 p.m.—"The Daily Mail" news; weather
news; sporting news.
10.20 p.m.—Close down.

SCL, ADELAIDE

Central Broadcasters, Ltd.

Wave Length, 305 Metres.

Friday

MORNING SESSION.

12 noon to 2 p.m.

AFTERNOON SESSION.

1 p.m.—Chimes.
1.15 p.m.—Relay from the Maple Leaf Cafe—
Orchestral selections.
1.45 p.m.—From the Studio—Musical items
and social notes.
2 p.m.—Chimes.
2.15 p.m.—Relay from the Arcadia Cafe—Or-
chestral selections.
Vocalist: Signor Torre (baritone).
2.35 p.m.—Station announcements, Messrs. E.
C. Ward and Co's Stock Exchange In-
telligence.
3 p.m.—Chimes.

EVENING SESSION.

6 p.m.—Chimes.
6.15 p.m.—Relay from the Central Garden Res-
taurant—Dinner music.
6.30 p.m.—Bodine music.
6.44 p.m.—Running time of the East West
Express.
8.45 p.m.—Bodine music.
12.5 p.m.—Messrs. E. C. Ward and Co's Stock
Exchange Intelligence, Market reports by
Messrs. A. W. Sandford and Co., A. E. Hall
and Co., Dalrymple and Co., S. A. Farmers
Co-operative Union, Taylor Bros., Retail
Grocers Association, J. H. Young's, special
reports on the Toronto market, Interstate
Fruit and Produce Market Co. and Daw's
Fish Market reports.
1.15 p.m.—Sporting talk by "Whodunnit".
1.30 p.m.—Football talk by "Highmark".
2 p.m.—Chimes.
2.15 p.m.—Studio Orchestra.
2.31 p.m.—Yan Grodno in song at the piano.
2.45 p.m.—Studio Orchestra.
3.05 p.m.—Marcella Bernali, soprano.
3.25 p.m.—Studio Orchestra.
3.45 p.m.—Yan Grodno in song at the piano.
3.52 p.m.—Studio Orchestra.
4.1 p.m.—Meteorological information.
4.3 p.m.—Daigety's wheat report.
4.5 p.m.—Marcella Bernali, soprano.
5.1 p.m.—Yan Grodno in song at the piano.
5.13 p.m.—Under the auspices of the Agri-
cultural Department, Mr. R. C. Scott, Ex-
perimentalist, Buseybury Agricultural Col-
lege will talk.
8.25 p.m.—Studio Orchestra.
8.35 p.m.—Relay from Glenis—The Mason
Dance Band.
10.1 p.m.—"Advertiser" news service. Wire-
less Shipping, Wireless sporting service.
10.15 p.m.—Miss Ruth Winkler and Frank
Ingulstun—The "Pop".
10.25 p.m.—Studio Orchestra.
10.35 p.m.—Frank Johnstone, humorist.
10.45 p.m.—Studio Orchestra.
10.50 p.m.—Relay from Glenis—The Mason
Dance Band.
11.15 p.m.—Tomorrow's programme, station
announcements, Meteorological information,
National Anthem.

GWF, PERTH

Western Australian Farmer's.

Wave Length, 1250 Metres.

Friday

12.50 p.m.—Tune in.
12.55 p.m.—Markets, News, and Cables.
1 p.m.—Tune signal from Perth Observatory.
1.1 p.m.—Weather news, supplied by the
Meteorological Bureau of Western Australia.

1.5 p.m.—Studio Quintette, conducted by Mr.
Val Smith.
2 p.m.—Close down.
2.30 p.m.—Tune in.
3.30 p.m.—Musical programme from the
Studio, including vocal and instrumental
numbers.
Organ music, relayed from the Grand
Theatre, Murray Street.
4.30 p.m.—Close down.
8.45 p.m.—Tune in.
8.50 p.m.—Musical evening for the kiddies, by
Auntie Marjorie, and Uncles Henry, Leslie,
Percy, Reg and Duffy.
9.20 p.m.—Stocks, Markets, News.
9.45 p.m.—Having talk, by the Sporting Editor
of "Truth" Newspaper Co.
9.5 p.m.—Time signal from Perth Observers.
9.7 p.m.—Weather notes, supplied by the
Meteorological Bureau of Western Australia.

A RELAY.

8.5 p.m.—The H. Evening: "Second Birthday
Festival," relayed from the Central Mission
Hall.
Speeches will be given by His Excellency the
Governor, Sir William Campion, C.M.G.,
D.S.O., and others.
Musical programme, including vocal and in-
strumental numbers.
9 p.m.—Gardening talk, by Mr. E. A. Hughes,
representing Messrs. Dawson and Harrison,
Ltd.
10 p.m.—Late news items, by courtesy of "The
Daily News" Newspaper Co.
Ship's within range announcement.
Weather Report and Forecast.
10.50 p.m.—Close down.

100 METRE TRANSMISSION

Simultaneous Broadcast on 100 Metres of
Musical programme given on 1200 Metres,
commencing at 9 p.m.

7ZL, HOBART

Tasmanian Broadcasters, Ltd.

Wave Length, 535 Metres.

Friday

MORNING SESSION.

11.0 a.m. to 11.30 p.m.

AFTERNOON SESSION.

2.0 p.m.—G.P.O. Clock Chimes.

3.1 p.m.—Tune-in Selection.

FOREIGN BROADCASTERS.

JOKK—Nagoya Radio Broadcasting Co.,
Nagoya, JAPAN; 249 metres, 1000
watts. (Announcement in English
and Japanese).
JORK—Osaka Central Broadcasting Co.,
Osaka, JAPAN; 285 metres, 1000
watts. (Announcement in English
and Japanese).
JYAK—Tokyo Broadcasting Co., Tokyo,
JAPAN, 375 metres, 1000 watts.
(Announcement in English and
Japanese).

JFC—Batavia Radio Vereeniging,
BATAVIA, 228 metres, 40 watts.

KERM—Manila, PHILIPPINE IS-
LANDS; 412 metres, 1000 watts.
(Announcement in English and
Philippines).

KGU—Hawaii Advertiser, Honolulu,
HAWAII, 278 metres, 500 watts.

KGO—Oakland, CALIFORNIA; 361.2
metres, 1000 watts.

KPL—Los Angeles, CALIFORNIA; 487
metres, 1000 watts.

KOA—Denver, COLORADO; 323.4
metres, 2000 watts.

11 p.m.—Hobart Stock Exchange Questions;
Weather information; Items of interest;
Announcements.
1.12 p.m.—Musical Selections by 7ZL Studio
Trio.
1.15 p.m.—Educational Talk.
1.20 p.m.—G.P.O. Clock Chimes; Close Down.

EARLY EVENING SESSION.

6.40 p.m.—Children's Corner, with the "Radio
Lady".
7.15 p.m.—Young Yelks Gardening Chat, by
Mr. George Nation.

NIIGHT SESSION.

7.30 p.m.—Sport, Poetry and Frolics Re-
ports through the courtesy of Roberts and
Co., Ltd., Hobart.
7.35 p.m.—Weekly Gardening Chat, by Mr.
George Nation, Glen Narveries, Marsh-
shall (Soprano); Miss Ruby Wallace
(Soprano); Miss Ruby Steves (Pianist); Miss
E. Henry (Elocutionist); Mr. Harry Foster
(Baritone); Mr. Victor Pharoah (Banjo
Solo).
9.30 p.m.—Chat on Saturday's Football, by
"Booby" Macart.
2.45 p.m.—Herald Official Wireless News.
2.50 p.m.—"Mercury" Special Interstate News
Service; Ships within Wireless Range; Tasmanian
District Weather Reports; 3 p.m. Weather
forecast; Station Announcements; Travellers'
Week-end Information; National Anthem.

Saturday, Sept. 24

2FC, SYDNEY

EARLY MORNING SESSION.

7.0 a.m. to 8.0 a.m.

MORNING SESSION.

10.0 a.m.—"Big Ben" and Announcements.
10.15 a.m.—Studio Music.
10.25 a.m.—"Sydney Morning Herald" News
Service.
10.30 a.m.—Studio Music.
10.35 a.m.—A Talk by the 2FC Racing Com-
missioner.
10.45 a.m.—Studio Music.
11.0 a.m.—"Big Ben"; Studio Music.
11.5 a.m.—A.P.A. and Bunter's Cable Services.
11.55 a.m.—Studio Music.
12.15 a.m.—A Talk on Gardening by Mr.
G. J. Lockley ("Redgun").
12.30 a.m.—Close Down.
MIDDAY AND AFTERNOON SESSIONS.
12.35 noon—"Big Ben" and Announcements.
12.45 p.m.—Stock Exchange, firm call.
12.5 p.m.—Studio Music.
12.20 p.m.—"Sydney Morning Herald" News
Service; "Radio News News."
12.35 p.m.—Studio Music.
NOTICE.—Results of the Hawthorn Racing
Club's Meeting will be given at inter-
vals throughout the afternoon.
1.0 p.m.—"Big Ben"; Weather Intelligence.
1.15 p.m.—"Sydney News" Midday News
Service.
1.20 p.m.—Studio Music.

During the afternoon the following
musical items will be given:—
Howard Leighton, Novelty Pianist.
The Crystal Palace Theatre Orchestra, con-
ducted by Harry Stone.
The Westworth Symphonic Dance Orchestra,
conducted by Cyril Kerr.
4.20 p.m.—Complete Sporting Results of the
Day's Events.

5.0 p.m.—"Big Ben"; Close Down.

EARLY EVENING SESSION.

5.45 p.m.—The Chess of 2FC.
5.45 p.m.—The "Hello Mac" Talks to the
Children.
6.30 p.m.—Story Time for the Young Yelks.
6.40 p.m.—Dance Music.
7.0 p.m.—Latest Sporting Information.
7.15 p.m.—Weather Intelligence.
7.18 p.m.—"Evening News" Late News Ser-
vice.

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Serves you a thousand times round the clock and then — continues for a long time afterwards to bring the best out of your radio receiver.

This is a fact established by test at the British National Laboratory — a 1,000-hour life test did not impair the operating characteristics of the P.M. Valves with the wonderful P.M. Filament.

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 P.M.1 A. (Resist. Cap.) ... 0.1 amp. 13.6
 P.M.2 (Power) ... 0.15 amp. 13.6

For 4-cell accumulators or 3 dry cells

P.M.3 (General Purpose) ... 0.1 amp. 13.6
 P.M.3 A. (Resist. Cap.) ... 0.1 amp. 13.6
 P.M.4 (Power) ... 0.1 amp. 13.6

For 6-volt accumulators or 4 dry cells

P.M.5 (General Purpose) ... 0.1 amp. 13.6
 P.M.5B (Resist. Cap.) ... 0.1 amp. 13.6
 P.M.6 (Power) ... 0.1 amp. 13.6

Super Power Valves for final L.P. stage

P.M.25A (4 volts, 0.25 amps.) 18-
 P.M.25B (6 volts, 0.25 amps.) 18-



Sectional view of P.M. 5. Valve.

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NOCTURN SESSION.

- 7.30 p.m.—Programme Announcements.
- 7.45 p.m.—A Talk on Life Saving.
- 8.0 p.m.—Win and Waddle, English Entertainment.
- "The Glads of Shakespeare" (Win).
- 7.57 p.m.—"What is Your Birthday?"
- 8.0 p.m.—"Big Ben"; Win and Waddle, English Entertainment.
- "Home Made History" (Win).
- 8.5 p.m.—From the Sydney Town Hall, The Capricorn Orchestra Concert by the N.S.W. Conservatorium Orchestra, conducted by Mr. Arnold Oberlin. Station 2FC has arranged this orchestra and arranged the concert in connection with the University Appeal.
- 8.8 p.m.—Overture, "William Tell" (Rossini).
- 8.10 p.m.—Fugue to "Johannarin" (Wagner).
- 8.12 p.m.—Vocal Number, "Affecto" (Wagner).
- 8.14 p.m.—Bible of the Valkyries (Wagner).
- 8.16 p.m.—"Carmen" Suite (Bizet).
- 8.18 p.m.—"Big Ben"; Latest Weather Forecast from the Sydney.
- 9.1 p.m.—Win and Waddle, English Entertainment.
- 9.5 p.m.—From the Sydney Town Hall, The 2nd part of the N.S.W. Conservatorium Orchestra Concert, by the N.S.W. Conservatorium Orchestra, conducted by Mr. Arnold Oberlin. Introduction to Act III, "Lohengrin" (Wagner).
- 9.16 p.m.—Vocal Number, Alfred O'Hara, Tenor.
- 9.22 p.m.—"Suite"—"Nutcracker" (Tchaikovsky).
- 9.28 p.m.—"Minned" (Bischoff).
- 9.40 p.m.—Overture—"Hänsel and Gretel" (Wagner).
- 10.0 p.m.—"Big Ben"; Sydney Galland, Baritone.
- 10.10 p.m.—Jones and Baines, Entertainers.
- 10.20 p.m.—Frank Jay, Vocal Items with the Ukulele.
- 10.30 p.m.—Sinfonia Concerto, Baritone.
- 10.35 p.m.—The Westworth Symphonic Dance Orchestra, under the baton of Mr. Cyril Kaye.
- 10.45 p.m.—Jones and Baines, Entertainers.
- 10.45 p.m.—The Westworth Symphonic Dance Orchestra.
- 10.55 p.m.—Sydney Galland, Baritone.
- 10.55 p.m.—Programme Announcements, and Late News.
- 11.0 p.m.—"Big Ben"; The Westworth Symphonic Dance Orchestra.
- 11.14 p.m.—Frank Jay, Vocal Numbers with the Ukulele.
- 11.18 p.m.—The Westworth Symphonic Dance Orchestra.
- 11.24 p.m.—National Anthem; Close Down.
- 12.45 p.m.—EILEEN CASTLE, Soprano: "Waive Song"—La Bulnesa. "Seconda" (Grunodi).
- 12.50 p.m.—JOHNSTON'S STUDIO BOYS: Selection, "Gene from Gilbert and Sullivan."
- 1.0 p.m.—"It's a Time Signet."
- 1.1 p.m.—ERN THORMAN, comedian: "The Two Crosses."
- 1.15 p.m.—Meteorological information. Shipping intelligence. Weather forecast for Victoria, Tasmania, South Australia and New South Wales. Ocean forecast. River reports. Bulletin for Victoria, Tasmania, South Australia and New South Wales.
- 1.15 p.m.—JOHNSTON'S STUDIO BOYS: "Bells Across the Meadow."
- 1.25 p.m.—EILEEN CASTLE, Soprano: "Sweet Nothings"—Balls in Bushera. "Wind in the Trees" (Thomas).
- 1.35 p.m.—JOHNSTON'S STUDIO BOYS: March, "Anglo-Oriental."
- 1.45 p.m.—Description of "Basket", Grand Finale, by Mr. Percy Steel.
- 1.45 p.m.—JAMES RILEY, Tenor: "The Rose and the Dew." (Nichols).
- 1.50 p.m.—(MUSIC)
- 1.52 p.m.—JOHNSTON'S STUDIO BOYS: Fantasia, "La Petite."
- 2.0 p.m.—Description of Paaco Herdle, Moonee Valley Race, by "Musket," of "The Sporting Globe."
- 2.5 p.m.—Description of Baseball Grand Finals, by Mr. Percy Steel.
- 2.15 p.m.—Musical Programmes transmitted from Geneva. A. and C.'s Stand at THE ROYAL AGRICULTURAL SHOW GROUND.

- Antonie selection.
- Song "Forgotten" FRANCES LEA.
- Song, "Sam, the Old Acornhill Man." CARLTON CHASE.
- Autiole selection of popular songs.
- Song, "Love is Just a Little Bit of Heaven." FRANCES LEA.
- Song, "All Showdown." CARLTON CHASE.
- 2.30 p.m.—Description of Mervin Maiden Place, Moonee Valley Race, by "Musket," of "The Sporting Globe."
- 2.35 p.m.—VICTORIA FOOTBALL LEAGUE. Description of second semi-finals by Mr. Percy Steel, from the M.C.C.
- 2.45 p.m.—Description of Baseball Grand Finals, by Mr. Percy Steel.
- 2.55 p.m.—Close down.

2BL, SYDNEY

Saturday.

EARLY MORNING SESSION.

- 7 a.m.—G.P.O. clock and chimes.
- Metropolitan weather forecast and high tide at Fort Denison.
- 7.2 a.m.—State weather report.
- 7.3 a.m.—News from "Daily Telegraph Editorial."
- 7.18 a.m.—G.P.O. clock and chimes.
- Fruit market report.
- 7.18 a.m.—Vegetable market report.
- 7.30 a.m.—Australian Mercantile, Land and Finance Co.'s report.
- 7.34 a.m.—Dairy and farm produce market report.
- 7.38 a.m.—Poultry market report.
- 7.45 a.m.—G.P.O. clock and chimes.
- Musical programme from the studio.
- 7.41 a.m.—Bells in call by wireless.
- 7.45 a.m.—Mail information, shipping arrivals and departures, and post directory.
- 7.45 a.m.—G.P.O. clock and chimes.
- 8 a.m.—G.P.O. clock and chimes.
- Close down.

MORNING SESSION.

- 11 a.m.—G.P.O. clock and chimes.
- Musical programme from the studio.
- 11.15 a.m.—Social notes by Mrs. Jordan.
- Talk on "Simple Cooking for Children," by Mrs. Jordan.

AFTERNOON SESSION.

- 12 noon.—G.P.O. clock and chimes.
- Special ocean forecast and weather report.
- 12.4 p.m.—News from "The Sun."
- 12.15 p.m.—Sporting and athletic fixtures.
- 12.18 p.m.—What's on at the pictures and theatre?
- 12.30 p.m.—Newstalk Panatropic Musical recital.
- 12.40 p.m.—News from "The Sun."
- 12.48 p.m.—Racing resume.
- 12.55 p.m.—Musical programme from the Studio.
- 1.0 p.m.—G.P.O. clock and chimes.
- Musical programme from the Studio.
- 1.10 p.m.—Sporting talk and athletic fixtures for the day. Lacrosse, hockey, tennis, football, sailing, boating.
- 1.20 p.m.—Musical programme from the Studio.
- 1.40 p.m.—G.P.O. clock and chimes.
- Talk to children and special entertainment for children in hospital.
- 1.50 p.m.—G.P.O. clock and chimes.
- 2.10 p.m.—G.P.O. clock and chimes.
- 2.15 p.m.—Musical programme from the Studio.
- 2.25 p.m.—Racing resume.
- 2.30 p.m.—G.P.O. clock and chimes.
- News from "The Sun."
- During the afternoon sporting information will be broadcast by courtesy of the "Sun." Interposed with musical recital and broadcasting of football matches.
- 2.40 p.m.—G.P.O. clock and chimes.
- Racing resume.
- 2.5 p.m.—Close down.

EARLY EVENING SESSION.

- 6.45 p.m.—G.P.O. clock and chimes.
- Children's music.
- 6.50 p.m.—Musical programme from the Studio.
- 7.15 p.m.—Results of all sporting and athletic information.
- 7.30 p.m.—Country news from the "Sun."
- 8 p.m.—G.P.O. clock and chimes.
- Broadcaster's Topical Chorus.
- 8.15 p.m.—Sporting programme. Studio Items by Miss Hilda Walker (soprano). Miss Helen M. Ferguson (contralto) as the pianist. Mr. Douglas Graham (Scottish violinist), Mr. Frank Hetherington (dramatic actor), and Broadcaster's Trio.
- 10.15 p.m.—"The Ambassadors" Dance Band broadcast from the ballroom of the Ambassadors. During intervals between dances, "Sun" news will be broadcast.
- 12 midnight.—G.P.O. clock and chimes.
- National Anthem.

2UW, SYDNEY

Saturday

- 7 p.m.—When to Go.
- 7.10 p.m.—Studio Items.
- 9.25 p.m.—Review of forward programme.
- 9.40 p.m.—Close down.

3LO, MELBOURNE

Saturday.

MORNING SESSION.

- 11 a.m.—JOHNSTON'S STUDIO BOYS: Overture, "Pope and Peasant"; March, "The Trooper."
- 11.15 a.m.—WINDING AND MOLLOY, etc entertainers.
- "Irradiated March" (Deben).
- "Johnny is Getting it now" (Abraham).
- 11.25 a.m.—CORNET SOLO: "Australia."
- "Because." Solist, J. Robinson.
- 11.35 a.m.—JAMES RILEY, Tenor: "The Star" (Sunderland).
- "Thank God for a Garden" (Dol Hingol).
- 11.41 a.m.—JOHNSTON'S STUDIO BOYS Selection, "Pompian Fanfare."
- 11.48 a.m.—ERN THORMAN, comedian: "The Whitting Yarn" (Saxelle).
- "The Old Winner."
- 11.50 a.m.—JOHNSTON'S STUDIO BOYS: "Wagon of Cayton."
- 12 noon.—Time signal. Metal Prices received by the Australian Mines and Metals Association from the London Stock Exchange.
- 12.10 p.m.—British Official Wireless news from Hyster, Hyster and the Australian Press Association Cables. "Argus" news service.
- 12.25 p.m.—KELIE BOWER and BILLY RUTHERFORD: "If selections from their repertoire."
- 12.35 p.m.—JOHNSTON'S STUDIO BOYS: Diet, General and Trumbone.
- 12.45 p.m.—Stock Exchange information.

AFTERNOON SESSION.

- 2 p.m.—Description of Arundel Handicap, Moonee Valley Race, by "Musket," of "The Sporting Globe."
- 4.0 p.m.—JOE ARONSON and IAN SYM-COPPING SYMPHONISTS: "Rolling Down the Hill" (Rise). "Don't You Understand" (Forster). "When Lights are Low in Cairo" (Merkl). "St. Louis Blues" (Brewer).
- 4.20 p.m.—Description of Victoria Football League, second semi-finals, by Mr. Bob McGregor, from M.C.C. Quarter-time.
- 5.00 p.m.—Description of Bulmerians Handicap, Moonee Valley Race, by "Musket," of "The Sporting Globe."

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8.30 p.m.—**JOE ARONSON AND HIS SYMPATIZING SYMPHONISTS:**
"The Telling the Birds, Telling the Bess" (Brown).

"The Prisoner's Release" (Pelti).
9 p.m.—Description of Victoria Football League semi-final, by Mr. Rod McGregor, from the M.C.C. Half-time.

9.10 p.m.—Description of Quambi Handicap, Moonee Valley Race, by "Musket," of "The Sporting Globe."
9.15 p.m.—**JOE ARONSON AND HIS SYMPATIZING SYMPHONISTS:**

"The Lo-Te" (Kahn).
"The Hanging Gardens of Babylon" (Carle).
"Collette" (Kahn).
"Himmler Mores" (Lawrence).

"Where Do You Watch, John?" (Marks).
"Sleeping in Societies" (Jakob).

9.30 p.m.—Description of Victoria Football League second semi-final, by Mr. Rod McGregor, from the M.C.C. Three-quarter time.

9.40 p.m.—Description of Alhambra Handicap, Moonee Valley Race, by "Musket," of "The Sporting Globe."

9.45 p.m.—"Herald" news service. Stock Exchange information.

9.50 p.m.—Description of VICTORIA FOOTBALL LEAGUE, second semi-final, by Mr. Rod McGregor, from M.C.C. Final score.

9.55 p.m.—Close down.
Programme reports will be given during the afternoon of the 26-mile cycle race.

EVENING SESSION. CHILDREN'S HOUR.

8.20 p.m.—Sporting results.
8.40 p.m.—Answers to letters and birthday greetings to one and all from "LITTLE MISS KOOKABURRA."

8.50 p.m.—**STUDIO QUARTET:**
"March of the Walking Dolls" (Cobb).

8.55 p.m.—"LITTLE MISS KOOKABURRA" has a most interesting story to tell.

9.05 p.m.—"Herald" news service. Weather reports. Shipping movements.

9.15 p.m.—Stock Exchange information.
9.25 p.m.—Fish market reports, by J. B. Horwood, Ltd. Rabbit prices.

9.35 p.m.—Novamarket sheep sales, by Associated Stock and Station Agents, Bourke Street, Melbourne. Market reports, by the Victorian Producers' Co-operative Company, Ltd. poultry, grain, hay, straw, jute, dairy produce, relations and notes.

9.45 p.m.—Market reports of fruit, by Victorian Fruitgrowers' Association.

NIGHT SESSION.

9.15 p.m.—**MR. H. WAXELING**, honorary manager, Victorian Boxing and Wrestling Team; **MR. RAY**, Australian Feather-weight Boxing Champion; **MR. H. MORRIS**, Victorian Middleweight Wrestling Champion, will speak on "Australian Boxing and Wrestling Championships."

9.30 p.m.—**MR. F. E. PEACOTT** will speak on "Exhibits in Timber Trees."

9.45 p.m.—**REV. E. R. GRIBBLE** will speak on "Aborigines—Their Past, Present, Future, and Mission."

9 p.m.—**STUDIO QUARTET:**
"Sylvia" (Larsenkin).

9.10 p.m.—**ELSIE BOWER** and **BILLY RUTHERFORD**, in selections from their repertoire.

9.25 p.m.—**ALO WHISTLING COMPETITION**—We have much pleasure in presenting the first, second and third prize winners in the competition.

FIRST—**Mr. L. McDonald**, of Richmond.
SECOND—**Mrs. Daphne Whitehead**, of East St. Kilda.

THIRD—**Mr. George Tyler**, of Auburn, N.S.W.

9.32 p.m.—**KILKEN CASTLES**, soprano:
"Battista" (Pasticcini).

"Cradle Song" (Gutchensohn).

9.40 p.m.—A special programme is being presented.

9.45 p.m.—**STUDIO QUARTET:**
"Melody in F" (Rubinstein).

10.22 p.m.—**ERN TROTMAN**, comedian:
"Trials of a School Teacher."
"Discourse on the Voice."

10.29 p.m.—**STATION TRIO:**
"Largo" (Handel).

10.37 p.m.—**JAMES BILLY**, tenor:
"Nirvana" (Adams).

"Star of the Desert" (Donbner).
10.43 p.m.—Late sporting results.
THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TODAY is for EVERYBODY—Safety means safeguarding the nation, the home and the industry from the demons Carelessness.

11 p.m.—**OUR GREAT THOUGHT:**
"Oppression is but another name for irresponsible power, if history is to be trusted."—William Phipps.

11.3 p.m.—**JOE ARONSON AND HIS SYMPATIZING SYMPHONISTS.**

11.40 p.m.—**GOD SAVE THE KING.**

4QC, BRISBANE.

Saturday.

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

3.20 p.m.—A machine for little listeners by "Miss Waratah."

4.30 p.m.—Close down.

EARLY EVENING SESSION.

R.A.C.Q. RELIABILITY CONTEST.
The Royal Automobile Club's Reliability Contest commences this week-end. An official from 44G will accompany the R.A.C.Q. cars, and will, at certain stages during the contest, give short word-pictures of the happenings.

FROM TOOWOOMBA—
8 p.m.—Details in connection with to-day's testing in the Royal Automobile Club's Reliability Contest.

FROM THE STUDIO—
8.30 p.m.—Bedtime stories by "Dandie Ben."

9.15 p.m.—Racing results.
9.30 p.m.—To-day's football play described.

9.40 p.m.—Sailing Notes by Mr. F. Smith.
NIGHT SESSION.

LISMORE MUSICAL FESTIVAL.
To-night's programme will comprise the relaying of the main session in connection with the Lismore Musical Festival direct from Lismore.

It is impossible to publish details owing to the fact that the names of those participating in to-night's programme were not known at the time of going to press.

FROM LISMORE—
8 p.m.—Musical Festival.
9 p.m.—From THE STUDIO.

10 p.m.—"The Sunday Mail" news; weather news.
Close down.

5CL, ADELAIDE.

Saturday.

MORNING SESSION.

11 a.m. to 12 noon.

AFTERNOON SESSION.

12.45 p.m.—Relay running description of the Adelaide Hunt Club Race Meeting by Mr. Arnold Trainor. A description of All League Football final, also results of Pinbaroo and Interstate races.

8.15 p.m. (Approx.)—Final scores of all League Football Matches and results of racing.

EVENING SESSION.

8 p.m.—Chimes.
8.15 p.m.—Relay from the General Garden Restaurant—Dinner Music.

8.28 p.m.—Bedtime stories.
8.35 p.m.—Monks. S. C. Ward and Co.'s Stock Exchange Intelligence Market Reports by Messrs. A. W. Sandford and Co., A. E. Hall and Co., Dalrymple and Co., S. A. Farmers Co-operative Union, Taylor Bros., Retail Grocery Association. J. H. Young's

special reports on the Tomato market. Internationale Fruit and Produce Company.

9 p.m.—Chimes.
9.1 p.m.—Talk by the Rev. G. E. Hale, B.A.

8.15 p.m.—Relay from the Exhibition Building—Description of the laying.

8.45 p.m.—Relay from Glenlogie—The Malpas Isaac Band.

9 p.m. (Approx.)—Relay from the Exhibition Building—Final occasion of the management a description of the wrestling will be given.

10.45 p.m. (Approx.)—From the Studio—General Sporting Information.

10.50 p.m.—Relay from Glenlogie—The Malpas Isaac Band.

11.15 p.m.—To-morrow's programme, Station Announcements, Meteorological Information, National Anthem.

6WF, PERTH.

Saturday.

12 noon—Time in.
12.10 p.m.—Musical programme, including Pianoforte Selections, by Miss Evelyn Willis, A.R.C.M.

12.47 p.m.—Market, News, and Cable.
1 p.m.—The signal from Perth Observatory.

1.1 p.m.—Weather notes, supplied by the Meteorological Bureau of Western Australia.

1.2 p.m.—Close down.
1.35 p.m.—Time in.

SPORTING SESSION.

3.20 p.m.—Results of the Semi-Final Football Match (Quarter-time scores).

Racing results.
3.45 p.m.—Close down.

4.50 p.m.—Uncle Perry and Max, with the Radio Bird, wish Birthday greetings.

7.10 p.m.—Sports results.
7.30 p.m.—Market, News, and Cable.

9.45 p.m.—Opening Overture, played by the Grand Symphony Orchestra, conducted by Mr. Val Smith, relayed from the Grand Theatre.

8 p.m.—Time signal from Perth Observatory.
8.1 p.m.—Weather notes, supplied by the Meteorological Bureau of Western Australia.

MUSIC AND SONG.

8.5 p.m.—Musical programme, including vocal soloing articles.

Dance Music, by Colin Smith and his Dance Orchestra, relayed from the Perth Palace Royal, under direction of Mr. E. R. Banks.

10 p.m.—Late news items, by courtesy of "The Daily News" Newspaper Coy.

Ships within newspaper announcement.
Sports results.
Weather Report and Forecast.

10.40 p.m.—Close down.

7ZL, HOBART.

Saturday.

MORNING SESSION.

11.0 a.m. to 12 noon.

AFTERNOON SESSION.

3.0 p.m.—Close down.
2.1 p.m.—Broadcast by Direct Wire from the North Hobart Oval; Eye-witness Description League Football Match, Cannore v. Lefroy. Close down.

EARLY EVENING SESSION.
4.50 p.m.—"Uncle Herler" Talks to the Children.

7.0 p.m.—"Uncle Perry's" Half Hour.

NIGHT SESSION.

1.30 p.m.—Musical Selection.

1.35 p.m.—Talk by Mr. G. R. Davis, subject "Tasmania's Tourist Season."

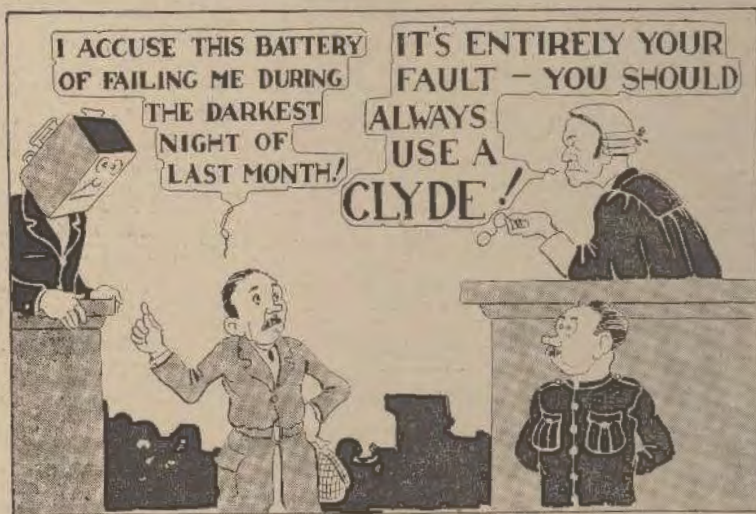
7.50 p.m.—"Mercury" Special Tasmanian News Service; Sporting Results; Weather Forecasts; Hobart Stock Exchange Quotations.

8.0 p.m.—G.F.O. Clock Chimes.
8.15 p.m.—Broadcast by Direct Wire from Imperial Hotel, Dance Numbers by Mrs. Sheppard's Trio.

12.10 p.m.—Relay Official Wireless News; Ships within Wireless Race; Weather Information; Station Announcements; National Anthem.

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AT ALL DEALERS

Sunday, Sept. 25

2FC, SYDNEY

MORNING SESSION.

10.45 a.m.—Programme Announcements.
11.0 a.m.—"The Morning Service from St. Stephen's Presbyterian Church, Phillip Street, Sydney." Preacher, Rev. Hugh Paton.
12.11 p.m.—News Session from the Studio.
12.55 p.m.—Close Down.

AFTERNOON SESSION.

2.00 p.m.—Programme Announcements.
2.0 p.m.—"Big Ben"; Mr. Gordon V. Lavers will give an illustrated Talk on "Melody" in Composition.
2.10 p.m.—Hal Stead, Pianoforte Solo.
2.15 p.m.—Captain Fred Astora, Biographical Compositions, No. 2. Cardinal Melchior and Machiavelli.
2.25 p.m.—Hal Stead, Pianoforte Solo.
2.35 p.m.—The Manly Municipal Band, conducted by Mr. James Phelaning.
2.40 p.m.—"Big Ben"; Close Down.

EVENING SESSION.

6.0 p.m.—"Big Ben" and Programme Announcements.
6.5 p.m.—A Pianoforte Recital by Madame Evelyn Greig.
6.20 p.m.—An Organ Recital from the Peterborough Congregational Church.
6.35 p.m.—The Evening Service from the Peterborough Congregational Church. Preacher, Rev. A. P. Doran.
9.30 p.m.—The Manly Municipal Band, conducted by Mr. James Phelaning.
9.35 p.m.—Madame Evelyn Greig, Soprano:
(a) "Elizabeth's Greeting" (Tannhauser) (Wagner).
(b) "My Laddie" (Travler).
9.45 p.m.—Gladstone Bell, Cello Solo; "Laranella" (Poppo).
9.50 p.m.—William Dallison, Tenor.
9.55 p.m.—Gladstone Bell, Cello solo: "Meditation."
9.58 p.m.—Madame Marika, Soprano:
(a) "Ove Maria" (Schubert).
(b) "Pleur de Lune" (Mauré).
10.3 p.m.—Gladstone Bell, Cello solo: "Gullena," from "Caverta in A Minor" (Goldmann).
10.3 p.m.—William Dallison, Tenor.
10.15 p.m.—National Anthem; Close Down.
At the Piano HORACE KEATS

2BL, SYDNEY

Sunday.

10.45 a.m.—Special news service.
11 a.m.—Service broadcast from Chalmers' Presbyterian Church.
2 p.m.—G.P.O. clock and chimes. Children's session.
2.15 p.m.—H.M.V. gramophone recital.
2.45 p.m.—Information service.
4 p.m.—Close down.
2.45 p.m.—Organ and choral recital broadcast from Chalmers' Presbyterian Church.
4.30 p.m.—Bible Class conducted by Mr. W. "Calvo" Bradley.
9.15 p.m.—Close down.
9.45 p.m.—Children's session.
7 a.m.—Service broadcast from St. Jude's Church of England, Randwick.
8.30 p.m.—From the Studio; Broadcasters' Trio.
9.40 p.m.—Mr. W. E. Lewis, baritone.
9.45 p.m.—Mr. Haagen Holtenbergh, piano solo.
9.57 p.m.—Weather report and forecast, by courtesy of Mr. C. J. Mars, Government Meteorologist.
9.58 p.m.—Resume of following day's programme.
9 p.m.—G.P.O. clock and chimes.
9.1 p.m.—Miss Durrle Ward, soprano.
9.3 p.m.—Mr. Bryce Carter, cellist.
9.14 p.m.—Duet; Miss Dorie Ward and Mr. W. E. Lewis.

9.50 p.m.—Broadcasters' Trio.
9.50 p.m.—Mr. W. E. Lewis.
9.57 p.m.—Mr. Haagen Holtenbergh.
9.57 p.m.—Mr. Bryce Carter.
9.58 p.m.—Miss Dorie Ward.
9.58 p.m.—Miss Dorie Ward.
10.1 p.m.—Broadcasters' Trio.
10.11 p.m.—National Anthem.

2GB, SYDNEY

Sunday.

MORNING SESSION.

10.15 a.m.—Church Music from St. Alban's Liberal Catholic Church, Badfern.
10.45 a.m.—Service from St. Alban's Church.
12 noon.—Close down.

EVENING SESSION.

8.45 p.m.—Music from the Studio.
7 p.m.—Lecture from Adyar Hall, by Dr. P. K. Bost.
7.45 p.m.—Duet for two Violins:
PHYLLIS CAMPBELL, SONICA HORDER.
8.10 p.m.—Songs by MISS KATHLEEN RYAN.
8.25 p.m.—Piano Solo; Miss Emily Burke.
8.25 p.m.—Duet for two violins:
PHYLLIS CAMPBELL, SONICA HORDER.
8.35 p.m.—Songs; Miss Kathleen Ryan.
8.45 p.m.—Talk; Professor Ernest Wood.
9 p.m.—Close down.

2UW, SYDNEY

Sunday.

MORNING SESSION.

10.30 a.m.—Special Musical Session:
"Anne Laurie."
"Blue Bells of Scotland" (Carillon).
10.45 a.m.—"La Paloma" (Graham); Violin solo.
10.45 a.m.—"Elton Alannah" ("Kiltarae") (Carillon).
10.45 a.m.—"Shepherd's" (Graham); Cello solo.
10.45 p.m.—(a) Mama mia the vo' cepp; (b) "Pierce" (Way).
10.54 a.m.—"Song of the Flea"; Bass solo.
11 a.m.—"Hurdy" in C Sharp Minor".
Pianoforte solo; for two violins:
11.5 a.m.—"Laurie Laurie"; Baritone solo.
11.10 a.m.—Studio Items.
11.46 a.m.—"The Song of the Viking Goom"; Bass solo.
11.55 a.m.—Studio Items.
11.55 a.m.—Spinning Song on St. No. 4 (Mandelstam); Pianoforte solo.
12 noon.—"Paralambor" (Risoldo); Baritone solo.
12.4 p.m.—Studio Items.
12.19 p.m.—Resume of forward programme.
12.30 p.m.—Close down.

EVENING SESSION.

7 p.m.—Studio items.
8 p.m.—Les Lawes and His "Monnae" Orchestra:
"So Hilo" (Waltz).
8.10 p.m.—"It all Depends on You" (Fox Trot).
8.20 p.m.—"Ain't She Sweet".
8.30 p.m.—Miss Helen Mackenzie; Lectures on "Chiropractic".
8.35 p.m.—"Golden Duo"; Hawaiian Guitars.
(a) "Oia, Two, Three, Four."
(b) "Bliss for Honolulu".
8.45 p.m.—Les Lawes' Monnae Orchestra:
"Baby Face."
8.50 p.m.—Golden Duo, Hawaiian Guitars:
"In a Little Spanish Town."
9 p.m.—Studio items.
9.20 p.m.—Resume of forward programme.
9.30 p.m.—Close down.

3LO, MELBOURNE.

Sunday.

MORNING SESSION.

10.30 a.m.—Bells from St. Paul's Cathedral.
10.40 a.m.—Express train information.
British Official Wireless news from Rugby.
MORNING SERVICE FROM COLLINS STREET BAPTIST CHURCH.
Minister: REV. W. D. JACKSON, M.A.

11 a.m.—Sanctus.
Invocation.
Lord's Prayer.
Hymn: "O Jesus, King most wonderful."
Scripture Reading.
Solo: "How Hazy Hired Servants"
Mr. VAL WOFF.
Talk to Boys and Girls.
Hymn: "Every morning the end sun."
Notice.
Offering.
Officers.
Antiphon: "Every morning the end sun."
Hymn: "I am the way, the truth and the life" (Wesley).
Hymn: "Birds leave their quiet nests."
SERMON: "THE PARABLE OF THE TWO SONS."
Hymn: "When I survey the wondrous cross."
Benediction.
12.45 p.m.—Close down.

AFTERNOON SESSION.

PLEASANT SUNDAY AFTERNOON SERVICE FROM WESLEY CENTRAL MISSION, LONGDALE ST.
Chairman: REV. DR. B. J. HOBAN.
2 p.m.—Hymn No. 196: "Jesus our risen King."
Prayer: Rev. J. H. CAIRN.
Orchestral selection.
Hymn No. 47: "Wonderful Words of Life."
Solo: Miss Grace Jackson.
Orchestra.
Solo: Miss Grace Jackson.
Notice.
Offering.
Officers.
ADDRESS: REV. T. C. CAENE, R.A.; "Things as they are in India."
National Anthem.
Benediction.
Orchestra.
4.30 p.m.—Close down.

EVENING SESSION.

CHILDREN'S HOUR.

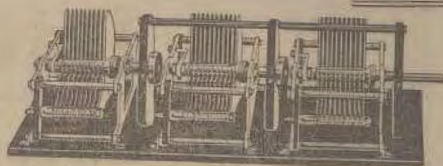
6.30 p.m.—Letters to Children and Birthday Greetings by BILLY BUNAY.
6 p.m.—THE PIED PIPER will now give their programme of Hymns and other musical items.
Hymn: "Saviour while my heart is tender."
Chorus: "Softly fall the shades of evening."
Chorus: "The Fairy Queen."
Solo: "The Little Bird."
Chorus: "The Song."
Solo: "A Little Birdie."
Chorus: "O hark thee, my baby."
Hymn: "Hushed was the Evening Hour."
6.25 p.m.—BROTHER BILL will give a talk to the boys and girls on the subject of that overworking cropworker: "It's just my luck."
4.45 p.m.—Bells from St. Paul's Cathedral.

NIGHT SESSION.

SERVICE FROM COLLINS ST. INDEPENDENT CHURCH.
Minister: Rev. J. ERNEST JAMES, B.D.
Organist and Conductor: Mr. HERBERT V. HAY.
The Choir, assisted by the strings of the Melbourne Symphony Orchestra, will render:
"Two Palms" (Gustav Holst).
7 p.m.—Hymn 39: "Come, a come, in slow time."
Prayer.
Lord's Prayer (repeated).
Hymn 263: "Not what their hands have done."
Scripture Lesson.
The 8th Psalm (Holt).
Prayer.
St. 18th Psalm (Holt).
Offering.
Notice.
Hymn 454: "Lead, kindly Light."
SERMON: by Rev. J. ERNEST JAMES, B.D.
Hymn 459: "O Love that wilt not let me go."
Benediction.
FROM THE STUDIO.
6.30 p.m.—RICHMOND CITY BAND.
March: "Victory Nelson" (Solo).
Hymn: "Masser, My God, to Thee."

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Sovereign, English-make, per set of 3 45/8
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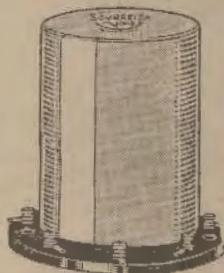
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Safety Lamp, with base 1/8
00025 Dubilier Grid Condenser, with clips 5/-
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Tropical Strip, 12 x 1 1/2 x 3-8, drilled, each 9/-
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2 mid. Lissen Condensers, each 5/9

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229 CASTLEREAGH STREET, SYDNEY

91-93 COURTENAY PLACE, WELLINGTON, N.Z.

- 8.31 p.m.—**EILEEN CASTLES, Soprano.**
 8.42 p.m.—**INSTRUMENTAL TRIO**
 Edward Goll, piano; Professor Bernard Helms, violin; Louis Matlesash, cello.
 Trio in E Flat G.
 Allegro—Ewersa (Boethoven).
 8.45 p.m.—**GUY MOORE, Tenor.**
 Two songs of the North.
 "Memory Song" (Grove).
 "When the Shiloh Comes Home."
 8.52 p.m.—**RICHMOND CITY BAND.**
 Selection: "Operatic Valse."
 8.53 p.m.—**STANLEY BAIRD, (Solo).**
 "Hemlock" (Hilshaker).
 "Tulka Caprice" (Ternaski).
 8.54 p.m.—**EILEEN CASTLES, Soprano.**
 8.55 p.m.—**INSTRUMENTAL TRIO.**
 "Slumber Song" (Schubert).
 "Serenade" (Haydn).
 8.56 p.m.—**GUY MOORE, Tenor.**
 "Solliana"—Cavaleria Rusicana (Mascagni).
 "Now Sleeps the Crimson Petal."
 8.58 p.m.—**RICHMOND CITY BAND.**
 Selection: "Boethoven" (Hume).
 8.59 p.m.—"Argus" news service.
 Announcements.

THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TODAY is for EVERYBODY.
 "Always play the game of 'Safety First.' Remember that 'Safety First' is not a game for cowards. You want plenty of bravery, skill and thought always to play it properly. Try it now and you will never be sorry."
OUR GREAT THOUGHT for to-night is—
 "Men at some time are masters of their fate."
 The fault, dear Brutus, is not in our stars
 But in ourselves."
 —Shakespeare.
 10 p.m.—**GOD SAVE THE KING.**

4QG, BRISBANE.

Sunday.

MORNING SESSION.

ST. PAUL'S CHURCH OF ENGLAND.
 The complete morning service will be relayed from St. Paul's Church of England, East Brisbane.
FROM ST. PAUL'S—
 11 a.m.—Church Service.
 12.30 p.m.—Close down.

AFTERNOON SESSION.

CITIZENS BAND.
 The concert by the Citizens' Band will be relayed from the Botanic Gardens.
FROM THE BOTANIC GARDENS—
 4.15 p.m.—Band Concert.
 4.45 p.m.—Close down.

NIGHT SESSION.

The complete evening service will be relayed from St. Paul's Church of England, East Brisbane.
ST. PAUL'S CHURCH OF ENGLAND.
 7 p.m.—Church Service.

BAND CONCERT.

At the conclusion of the church service the concert by the Brisbane Municipal Concert Band will be relayed from Wickham Park. The programme will include—Overture, "Requiem" (Thomas); selection, "La Traviata" (Verdi); fantasia, "Les Deux" (David).
 8.35 p.m.—Close down.

5CL, ADELAIDE.

Sunday

MORNING SESSION.

11 a.m.—Chimes.
 11.1 a.m.—Relay from St. Bartholomew Church—Divine Service, Preacher, Rev. Moore.

AFTERNOON SESSION.

2 p.m.—Chimes.
 2.1 p.m.—Relay from Maughan Church, special programme of Choral Music by Mr. F. L. Griffiths's Male Voice Choir.

EVENING SESSION.

6.30 p.m.—Chimes.
 6.51 p.m.—Running time of the Best West Express.
 6.52 p.m.—Sunday Stories for children.
 6.53 p.m.—Relay from the First Street Methodist Church—Divine Service—Preacher, Rev. J. G. Jenkins.
 6.58 p.m.—(Landscape)—Relay from Elizabeth The Malton Orchestra, assisted by Marcella Berall (soprano), Signor Torzo (baritone).
 6.1 p.m.—Fifty to the Studio—Meteorological information.
 6.12 p.m.—Talk by Mr. P. H. Nicholls.
 6.13 p.m.—Relay from Glenelg—The Malton Orchestra.
 6.55 p.m.—Tomorrow's programme, Station announcements, Meteorological information, National Anthem.

6WF, PERTH.

Sunday.

10.45 a.m.—Tune in.
 11 a.m.—Morning Service, relayed from the Wesley Church, Hay Street, Perth.
 Preacher, Rev. J. W. Gress, M.A., LL.B.
 11.15 p.m.—Close down.
 1.34 p.m.—Tune in.
IN THE STUDIO.
 2.35 p.m.—Musical programme, including vocal and instrumental articles.
 4.30 p.m.—Close down.
 7 p.m.—Tune in.
 7.5 p.m.—Evening Service relayed from St. Andrew's Presbyterian Church, St. George's Terrace, Perth.
 Preacher, Rev. Dr. Scott-West, of Sydney, Moderator-General of the Presbyterian Church.
FROM THE STUDIO.
 8.18 p.m.—Musical programme, including vocal and instrumental articles.
 10.1 p.m.—Close down.

7ZL, HOBART.

Sunday.

MORNING SESSION.

11 a.m.—Divine Service from St. David's Cathedral, Hobart; at conclusion of Church Service, News Express Information; Close down.

AFTERNOON SESSION.

4.30 p.m.—Pleasant Sunday Afternoon Concert from the Studio.
 4.50 p.m.—Close Down.

EARLY EVENING SESSION.

6.30 to 7.0 p.m.—Children's Corner, with the "Sunday Lady."

NIGHT SESSION.

7.0 p.m.—Church Service from Memorial Church, Hobart; at conclusion of church service, concert from the studio: Mrs. Jack Green (Soprano), Miss Jane Dodd (Electro-Voice), Miss Ruby Paine (Pianist), Mr. Roy Sutcliffe (Cornet), Mr. Theo. Spencer (Baritone), Mr. Frank Dalton (Baritone).
 8.15 p.m.—"Mersey" Special Intermediate News Service; British Official Wireless News; Ships within Wireless Range; 9.0 p.m.—Weather Forecasts; Station Announcements; National Anthem.

Monday, Sept. 26

2FC, SYDNEY.

EARLY MORNING SESSION.

5 a.m. to 8 a.m.

MORNING SESSION.

10 a.m.—"Big Ben" and announcements.
 10.45 a.m.—Studio music.
 10.55 a.m.—"Grandy Morning Herald" news service.
 10.59 a.m.—Studio music.

10.51 a.m.—Last minute sporting information by the 2FC racing commissioner.
 10.56 a.m.—Studio music.
 11 a.m.—"Big Ben." Marching music for school choirs.
 11.5 a.m.—A.P.A. and Reuter's cables.
 11.55 a.m.—A reading.
 11.58 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
 12.2 p.m.—Stock Exchange, third call.
 12.3 p.m.—Weather forecast, rainfall.
 12.5 p.m.—Studio music.
 12.15 p.m.—Summary of "Sydney Morning Herald" news service.
 12.30 p.m.—Bughy wireless news.
 12.35 p.m.—Marching music for school children.
 12.40 p.m.—Ivy Duettes, vocal.
 12.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 12.50 p.m.—Studio music.
 1 p.m.—"Big Ben." Weather intelligence.
 1.10 p.m.—"Evening News" midday news service. Producers' Distributing Society's report.
 1.15 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 1.25 p.m.—Stock Exchange, second call.
 1.30 p.m.—Marching music for school children.
 1.40 p.m.—Ivy Duettes, vocal.
 1.45 p.m.—Studio music.
 1.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 2 p.m.—"Big Ben."
 Close down.

AFTERNOON SESSION.

2 p.m.—"Big Ben" and announcements.
 2.7 p.m.—A popular record.
 2.7 p.m.—Wifred Westbury, tenor.
 3.11 p.m.—Valter (L. Chausse), soprano: "Pale Moon" (Loyen).
 3.15 p.m.—Studio music.
 Kathleen Howe, soprano: "Believe me if all" (Maurel).
 3.20 p.m.—A reading.
 3.30 p.m.—Marching music for school children.
 3.40 p.m.—May Craven, soprano: "Tired Hands" (Sanderson).
 3.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 3.50 p.m.—Wifred Westbury, tenor: "A Summer Day" (Hrad).
 4 p.m.—"Big Ben."
 Margaret Grimshaw, mezzo.
 4.5 p.m.—THE OAK HALL INSTRUMENTAL TRIO. (Leader, Mr. Marcus Knull).
 4.15 p.m.—Hilda Nelson, mezzo soprano.
 4.25 p.m.—May Craven, soprano: "Daisy, Boy" (Westerly).
 4.35 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 4.50 p.m.—Valerie Chasell, soprano: "Milk Lenny Loo."
 4.55 p.m.—Kathleen Howe, soprano: "Over the Hills" (Carver).
 4.40 p.m.—Margaret Grimshaw, mezzo.
 4.45 p.m.—Stock Exchange, third call.
 4.47 p.m.—Hilda Nelson, mezzo soprano.
 4.48 p.m.—The Westwold symphonic Dance Orchestra, under the baton of Mr. Cyril Kaye.
 5 p.m.—"Big Ben."
 Close down.

EARLY EVENING SESSION.

5.40 p.m.—The Chime of 2FC.
 5.45 p.m.—The "Hello Man" talks to the children.
 5.50 p.m.—Story time for the young folk. "A day in the forest," told by Mr. J. E. Kinghome.
 6.40 p.m.—Dinner music.
 6.50 p.m.—Late sporting news.
 7 p.m.—Balenty's market reports (wool, wheat and stock).
 7.5 p.m.—Fruit and vegetables.
 7.10 p.m.—News and weather.
 7.15 p.m.—Late "Evening News" news service.
 Close down.

Philco Batteries Save Pounds in a Year.

— IN THIS ISSUE —

Compact 4 Valve Receiver specifies Radiokes Screened Coils

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NIGHT SESSION.

- 9.30 p.m.—Programme Announcements.
 1.35 p.m.—"A Ye Year Birthday"
 7.15 p.m.—Lawrence Broadcast, Base:
 "The Scarecrow" (Darwin).
 7.42 p.m.—Ella Price, Entertainer:
 "The Village Constable" (Cherwell).
 7.47 p.m.—J. Phelous, Cornet Solo.
 8.44 p.m.—Ad Cree, Scotch Comedian.
 8.53 p.m.—"Big Ben": The Harzmarket Operatic
 Orchestra of 17 members, under the baton
 of Mr. Stanley Porter.
 9.10 p.m.—Win and Widdle, English Entertainers:
 "Mrs. Ham Records Her Vote" (Win).
 9.23 p.m.—The Sydney Harmonic Society's
 Chorus (from the Begonia Hall). Conductor,
 Mr. William Bouras.
 9.43 p.m.—Alexander Sverjenski, Pianoforte
 Solo:
 (a) "Scholar in C Sharp Minor" (Chopin).
 (b) Valse, "Christmas Tree" (Rachkaeff).
 9.55 p.m.—Ella Price, Entertainer:
 "The Cynic at the Party" (Price).
 9.58 p.m.—"Big Ben": Latest Weather Fore-
 cast.
 9.1 p.m.—J. Phelous, Cornet Solo.
 9.5 p.m.—Vocal Act from the Haymarket
 Theatre.
 9.23 p.m.—Win and Widdle, English Entertainers:
 "The Roadside Piper" (Williams).
 9.35 p.m.—Lawrence Broadcast, Base:
 "The Roadside Piper" (Williams).
 9.38 p.m.—Ella Price, Entertainer:
 "A Frenchman's Version of a Kiss on the
 Stage" (Price).
 9.44 p.m.—Ad Cree, Scotch Comedian.
 9.58 p.m.—The Sydney Harmonic Society's
 Chorus. Conductor, Mr. William Bouras.
 9.45 p.m.—Alexander Sverjenski, Pianoforte
 Solo:
 (a) "Humoresque" (Rachmanoff).
 (b) "Frelude in G Sharp Minor" (Rach-
 manoff).
 (c) "Polichinelle" (Rachmanoff).
 10.0 p.m.—"Big Ben": Lawrence Broadcast,
 Base:
 (a) "Tally Ho" (Leon).
 (b) "Linda Lee" (Vaughan).
 10.8 p.m.—J. Phelous, Cornet Solo.
 10.15 p.m.—Win and Widdle, English Entertainers:
 "How to Enjoy the Theatre" (Win).
 10.2 p.m.—The Harzmarket Operatic Orchestra.
 Conductor, Mr. Stanley Porter.
 10.30 p.m.—Ad Cree, Scotch Comedian.
 10.55 p.m.—The Wentworth Symphonic Dance
 Orchestra.
 10.37 p.m.—Late News and Announcements.
 11.0 p.m.—"Big Ben": The Wentworth Symphonic
 Dance Orchestra. Conductor, Mr.
 Cyril Kaye.
 11.30 p.m.—National Anthem; Close Down.

2BL, SYDNEY

Monday.

EARLY MORNING SESSION.

7 a.m. to 8 a.m.

MORNING SESSION.

- 8.00 a.m.—G.P.O. Clock and Chimes.
 Musical programme from the Studio.
 8.40 a.m.—News from the "Daily Telegraph"
 Picorial.
 8.45 a.m.—Musical programme from the
 Studio.
 9.1 a.m.—G.P.O. Clock and Chimes.
 Announcements.
 9.15 a.m.—Musical programme from the
 Studio.
 9.25 a.m.—Talk on "Tennis," by Miss Gwen
 Varley, Broadcasters' Women's Sports
 Authority.
 Social Notes—Replies to Correspondents by
 Mrs. Jordan.
 Talk on "What our Sisters in Paris are
 Wearing," by Marie Holmes.
 9.50 a.m.—G.P.O. Clock and Chimes.
 Special Ocean forecast and weather report.
 10.1 p.m.—Brunswick Fantopics Musical
 Social.
 10.15 p.m.—Information—Mails, Shipping, and
 Port Directory.
 10.18 p.m.—Beats in call by Wireless.
 10.28 p.m.—Fruit Market report.

- 10.23 p.m.—Vegetable Market report.
 10.24 p.m.—London Metal Market report.
 10.24 p.m.—Dairy and Pains Produce Market
 report.
 10.28 p.m.—Stock Exchange report.
 10.30 p.m.—G.P.O. Clock and Chimes.
 Foreign Market Report.
 10.32 p.m.—Fish market report.
 10.34 p.m.—Rabbit Market report.
 10.36 p.m.—News from the "Sun."
 10.45 p.m.—Musical programme from the
 Studio. Instrumental Quartet
 direction, Cyril Casting.
 1.05 p.m.—G.P.O. Clock and Chimes.
 Talk to children and special entertainment
 of children in Hospital.
 2 p.m.—G.P.O. Clock and Chimes.
 Close down.

AFTERNOON SESSION

- Racing information broadcast immediately
 after each race, by courtesy of the "Sun."
 2 p.m.—G.P.O. Clock and Chimes.
 Musical programme from the Studio.
 3.10 p.m.—News from the "Sun."
 3.20 p.m.—Musical programme from the
 Studio.
 3.30 p.m.—News from the "Sun."
 3.40 p.m.—Danzon's Dance Band, broadcast
 from the Danzong Cabaret.
 4 p.m.—G.P.O. Clock and Chimes.
 News from the "Sun."
 4.40 p.m.—News from the "Sun."
 4.45 p.m.—Resume of night programme.
 4.57 p.m.—Racing resume.
 4.58 p.m.—Special ocean forecast.
 5 p.m.—G.P.O. Clock and Chimes.
 Close down.

EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. Clock and Chimes.
 Children's Session.
 5.58 p.m.—Musical programme from the
 Studio.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. Clock and Chimes.
 Australian Mercantile Land and Finance
 Club report.
 Weather report and forecast by courtesy of
 Government Meteorological
 Predictors Distributing Society's Fruit and
 Vegetable market report.
 Stock Exchange reports.
 Grain and Fodder report ("Sun").
 Dairy Produce report ("Sun").
 7.15 p.m.—Country news from the "Sun."
 7.35 p.m.—Talk on "How to Maintain Your
 Health," by Dr. D. Mearns.
 7.40 p.m.—Talk on "The Motor Car," by Mr.
 Martin.

EVENING SESSION.

- 8 p.m.—G.P.O. Clock and Chimes.
 Broadcasters' Topical Chorus.
 8.3 p.m.—Bando Band: An hour's programme
 presented by Lindeman's Wine.
 8.10 p.m.—Mr. Donald Woodrow (baritone).
 8.17 p.m.—A Humorous Sketch entitled
 "Burglars."

CHARACTERS.

- William Collier
 George May Nancarrow
 8.25 p.m.—The Newtown Band broadcast from
 Industrial Hall, Newtown.
 8.45 p.m.—Hercule Lina (violinist).
 9.00 p.m.—Miss Dundy Stuart (contralto).
 9.1 p.m.—Weather report and forecast by
 courtesy of Mr. C. J. Mares, Government
 Meteorologist.
 9.2 p.m.—Cec. Morrison and his Gloom-
 chasers broadcast from the Ballroom of the Bondi
 Casino.
 9.12 p.m.—Broadcasters all sports expert will
 talk on General Sporting.
 9.19 p.m.—Bando Band.
 9.25 p.m.—Mr. Donald Woodrow.
 9.33 p.m.—The Newtown Band.
 9.35 p.m.—A dramatic sketch presented by
 Nellie Ferguson and Frank Hatherley.
 9.45 p.m.—Cec. Morrison and His Gloom-
 chasers broadcast from the Ballroom of the Bondi
 Casino.
 10.07 p.m.—Miss Dundy Stuart.
 10.4 p.m.—Resume of following day's
 programme.
 10.34 p.m.—Cec. Morrison and His Gloom-
 chasers broadcast from the Ballroom of
 the Bondi Casino.
 11 p.m.—G.P.O. Clock and Chimes.
 National Anthem.

2GB, SYDNEY

Monday.

MORNING SESSION.

- 9 a.m.—Music.
 9.5 a.m.—"Cherrie" Talk.
 9.15 p.m.—Music.
 9.25 a.m.—Psychological Class.
 9.40 a.m.—Music.
 9.45 a.m.—"Big Ben."
 10 a.m.—Close down.

AFTERNOON SESSION.

- 2.30 p.m.—Music.
 3.10 p.m.—Address: Professor Ernest Wood.
 3.52 p.m.—Music.
 4.17 p.m.—Address.
 4.27 p.m.—Music down.
 4.30 p.m.—Close down.

EVENING SESSION.

- 7 p.m.—Music.
 7.5 p.m.—H. Wood.
 7.15 p.m.—Music: Instrumental Trio.
 7.30 p.m.—Music: National Association of
 N.S.W.
 8 p.m.—Instrumental Trio:
 DAN SCULLY, MURIELLE LANG, ADA
 BROOK.
 8.10 p.m.—Songs by Madam Wendle.
 8.18 p.m.—Instrumental Quartette:
 DAN SCULLY, MONICA HORNER,
 MURIELLE LANG, ADA BROOK.
 8.42 p.m.—Songs by Miss Dundy Stuart:
 1. "The Spout Song" (Harzdon).
 2. "Queen Mary's Song" (Egar).
 8.50 p.m.—Songs by Madam Wendle.
 9.0 a.m.—Mending Broken Men: R. B. S. Ham-
 mond.
 9.10 p.m.—Instrumental Quartette:
 DAN SCULLY, MONICA HORNER,
 MURIELLE LANG, ADA BROOK.
 9.25 p.m.—Songs by Miss Dundy Stuart:
 1. "Angie" (Madam).
 2. "Hush Song" (Eather Kaha).
 9.45 p.m.—Talk: National Association of
 N.S.W.
 10 p.m.—Close down.

2UW, SYDNEY

Monday.

MORNING SESSION.

- 9 a.m.—News, Shipping, Mails, Musical Items.
 9.45 a.m.—Women's Session.
 9.50 a.m.—Resume of forward programme.
 10 a.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—Musical Items.
 2.50 p.m.—Resume of forward programme.
 2 p.m.—Close down.

EVENING SESSION.

- 8 p.m.—Studio Items.
 8.50 p.m.—Resume of forward programme.
 9 p.m.—Close down.

NIGHT SESSION.

- 11 p.m.—Where to Go.
 1.10 a.m.—Studio Items.
 1.30 p.m.—Mr. Bagnall: Talk on "National
 Significance of Preference to Australian-
 made Goods."
 1.45 p.m.—Special musical programme an-
 nounced by Professor C. Bauer.
 9.10 p.m.—Studio Items.
 9.30 p.m.—Resume of forward programme.
 9.50 p.m.—Close down.

3LO, MELBOURNE.

Monday

MIDDAY SESSION.

- 12 noon.—Time signal. British official wire-
 less news from Rugby. Receiver's and the
 Australian Press Association cables.
 "Argus" news service.
 12.15 p.m.—COMMUNITY SINGING FROM
 THE STUDIO. Conducted by G. J. MAC-
 KAY, assisted by THE STUDIO QUARTET.
 ANITA SHAW, communique:
 "If Winter Comes"
 "THE LITTLE WOODS WHISTLE"

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MAGGIE FOSTER, violin:
 "Lullabies."
 "An Old Air."
 1.15 p.m.—Black Exchange Information.
 Meteorological Information, Weather forecast for Victoria, Tasmania, South Australia and New South Wales. Ocean forecast. River reports. Rainfall for Victoria, Tasmania, South Australia and New South Wales.

AFTERNOON SESSION.

2 p.m.—**METROPOLITAN FIRE BRIGADE BAND:**
 March, "Distant Greeting."
 For Tre, "The Little Blue Bird."
 2.15 p.m.—**MRS. DOROTHY BILE:**
 "Bonanza."
 2.25 p.m.—**METROPOLITAN FIRE BRIGADE BAND:**
 Waltz, "Bertha."
 2.35 p.m.—**BERYL HAWKER**, soprano:
 "Adele With Me" (Lullaby).
 "If My Eyes were Only Windows" (Lullaby).
 2.45 p.m.—**METROPOLITAN FIRE BRIGADE BAND:**
 Selection, "Classie Gene."
 2.55 p.m.—**ANITA SHAW**, comedienne:
 "A Cup of Coffee."
 "Broken Coffee."
 "I Want to be Happy."
 3.05 p.m.—**METROPOLITAN FIRE BRIGADE BAND:**
 March, "Under the Double Eagle."
 3.15 p.m.—**BERYL HAWKER**, soprano:
 "Now My Dir."
 3.25 p.m.—**METROPOLITAN FIRE BRIGADE BAND:**
 Selection, "Boss Marie."
 3.35 p.m.—**ANITA SHAW**, comedienne:
 "Gimme a Little Kiss."
 "Smile Away the Blues."
 3.45 p.m.—**MISS FLORA PELL**, Inspector of Schools:
 "Domestic Science."
 3.55 p.m.—"Herald" news service.
 Black Exchange Information.
 4 p.m.—Close down.

EVENING SESSION.

CHILDREN'S HOUR.

6.30 p.m.—Acceptance for Ballarat race, 25th September.
 6.35 p.m.—Answers to letters and birthday greetings by "LITTLE MISS BOOKA-BERRA."
 6.45 p.m.—**MISS YETTA LANDAU** presents her Junior Pupils in a Nursery rhyme Land Fantasia, "HUMPTY-DUMPTY" adapted and arranged by Frank Pearson.
CAST OF CHARACTERS:
 Bibliophile, the Boy-king of Ghermandiah, **BONNIE SCARBOTT**, Fenderosa, His Queen, **DOROTHY BETHUNE**, Bramly Dumpty, the Original Fat Hat, her Boy, **GWENNIE HULL**.

Three Was Men:
 Middlepage, **OLGA LANDAU**.
 Additional, **MARIE HULL**.
 Scatobrain, **ELSA BIRWELL**.
Pages to the Queen:
 Pippin, **DOROTHY HENDERSON**.
 Medlar, **THELMA HULL**.
 Chorus of the King's Bodyguard, etc. **Scene 1:** The Palace of the King. (The Fat Boy).
Scene 2: The King's Orchard. (The Fat).
Scene 3: The King's Kitchen Garden. (How they got him an apple).
Time: Nursery rhyme time.
"HUMPTY-DUMPTY"
 Musical numbers incidental to the play.
Scene 1:
 Quintette, "Give Me Advice."
 King, Queen, and Wise Men.
 Tre, "We've Hit Upon a Marvellous Plan."
 Queen, Hammy, and King.
 Solo, "I'd Rather be no King."
Humpty.
 Tre, "The King and Queen are Awful."
 Humpty, Pippin, and Medlar.
Scene 2:
 Duet, "Humpty-Dumpty."

Pippin and Humpty.
 Tre, "A Lot, Sir, We've Got, Sir."
 Pippin, Humpty, and Medlar.
Scene 3:
 Tre, "Hunger Measures We must Find."
 King, Queen, and Middlepage.
 Solo, "Let the Eagles Work."
 King.
 (Character) "Yes, Heave Ho."
 The Company.
 Pippin, "Woodrose Window."
 The Company.
 6.40 p.m.—Official reports of Newmarket stock sales by the Associated Stock and Auction Agents, Beattie street, Melbourne. Number of sheep and cattle drawn for week's sale.
 6.45 p.m.—"Herald" news service. Weather synopsis. Shipping movements.
 6.55 p.m.—Black Exchange Information.
 6.57 p.m.—River reports.
 6.55 p.m.—Fish market reports by J. R. Barrett, Ltd. Ballarat prices.
 7.0 p.m.—Market reports by the Victorian Producers' Co-operative Coy. Ltd. Poultry, grain, fish, straw, jute, dairy produce, potatoes and sections. Market reports of fruit by the Victorian Producers' Association.

NIGHT SESSION.

7.15 p.m.—Under the auspices of THE DEVELOPED AUSTRALIA LEAGUE: Mr. J. J. HEDGECOCK will speak on "An All-Australian Home."
 7.30 p.m.—Mr. E. O. H. ZAVOLLO: "School Life and School Sports."
 7.45 p.m.—Under the auspices of the DEPARTMENT OF AGRICULTURE: Mr. W. W. RIDD, Faculty Expert, will speak on "Domestication of the Butterfly."
 7.55 p.m.—**VALERIE HILL:**
 8.0 p.m.—**ERNEST ORAM** and the **TYVOLI THEATRE ORCHESTRA**. First half of the TYVOLI THEATRE programme, transmitted by permission of C. Williamson, Ltd.
 8.15 p.m.—Announcement.
THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY FIRST MESSAGE FOR TO-DAY TO THE PEDESTRIANS:
 "To avoid that man-down feeling, street crossings cautiously."
AN HOUR WITH SCHUMANN.
 9.15 p.m.—**STUDIO QUINTET:** "Piano Quintet" (Schumann).
 9.25 p.m.—**MARY MACK**, contralto: "Ah Sweet as Any Flower."
 "The Shining Sun" (Schumann).
 9.30 p.m.—**STUDIO QUINTET:** "Piano Quintet—Part 3" (Schumann).
 9.35 p.m.—**MARY MACK**, contralto: "The Lotus Flower" (Schumann).
 Selected.
 9.35 p.m.—**REGINALD BRADLEY**, violin: "Transcendental" (Schumann).
 "Aktion" (Schumann).
 9.45 p.m.—**STUDIO QUARTET:** "Quartet in A Minor" (Schumann).
 9.55 p.m.—"Athen" news service. Meteorological information. British Official Wireless News from Barbary.
 10.0 p.m.—**IN LIGHTER VEIN.**
 10.2 p.m.—**ANITA SHAW**, comedienne: "To-night's My Night with Baby."
 "Here I Am."
 10.3 p.m.—**STUDIO QUINTET:** "Mona Lisa Tricentennial."
 10.10 p.m.—**MAGGIE FOSTER**, violin: "The D'Amico."
 "Mazurka Blues."
 10.25 p.m.—**JOE ARONSON** and HIS SYM-PHONISTS (Friend).
 "Drowsy Eyes in Your Dreams" (Tennant).
 "Just a Bird's-Eye View" (Donaldson).
 10.35 p.m.—**ANITA SHAW**, comedienne: "The Legend on Yal." Selected.
 10.40 p.m.—**JOE ARONSON** and HIS SYM-PHONISTS: "I'd You see Sally" (Kahn).
 "Fragrant" (O'Hagan).
 "For My Sweetheart."

10.50 p.m.—**MAGGIE FOSTER**, violin:
 "Mazurka" (Dante).
 "Cresolo Song" (Hubert).
 10.57 p.m.—**OUR GREAT THOUGHT:**
 "Then what is the use of receiving?
 For what do we care? Will there's a way.
 To-morrow the soil may be shining
 Although it is cloudy to-day!"—Old Song.
 10.55 p.m.—**JOE ARONSON** and HIS SYM-PHONISTS: "Old Song."
 11.0 p.m.—"GOD SAVE THE KING."

5CL, ADELAIDE.

Monday.
MORNING SESSION.
 12 noon to 2 p.m.
AFTERNOON SESSION.
 2 p.m.—Chimes.
 2.15 p.m.—Relay from the Maple Leaf Cafe—Orchestral selections.
 2.45 p.m.—From the Studio—Musical items and social notes.
 4 p.m.—Chimes.
 4.15 p.m.—Relay from the Avonlea Cafe—Orchestral selections.
 4.55 p.m.—Musical and dramatics. Messrs. D. Ware and C. J. Mack Esquemas Intelligence.
 5 p.m.—Chimes.
EVENING SESSION.
 6 p.m.—Chimes.
 6.15 p.m.—Relay from the Covent Garden Restaurant—Dinner Music.
 6.30 p.m.—Bodily Exercises.
 7 p.m.—The Drawing Committee—Chart No. 4 will be directed by Mr. J. B. Chinner.
 7.20 p.m.—Messrs. E. L. Ward and Co.'s Stock Exchange Intelligence. Market reports by Messrs. A. W. Sainsford and Co., A. E. Hall and Co., Dalrymple and Co., S. C. Farmers Co-operative Union, Taylor Bros. Retail Grocers' Association, Interstate Fruit and Produce Company, J. H. Young Pty Ltd, special reports on the Toronto market.
 7.30 p.m.—Physical culture will talk on this week's discipline.
 7.45 p.m.—Critical Culture talk by Mr. Noel Hobbs, of the Central College of Physical Culture.
 7.50 p.m.—Mr. Jas. Lachie will talk on the Appropriation Profession League.
 8 p.m.—The Popular Four.
 8.10 p.m.—"The Tenkiller."
 8.40 p.m.—The Popular Four.
 8.50 p.m.—Loran Kerrison, soprano.
 8.52 p.m.—The Popular Four.
 9.1 p.m.—Meteorological information.
 9.2 p.m.—Dalrymple's wheat report.
 9.3 p.m.—The Popular Four.
 9.4 p.m.—Loran Kerrison, soprano.
 9.51 p.m.—The Popular Four.
 9.55 p.m.—"The Popular Four."
 10.1 p.m.—"Adventures" news service. Wireless Shipping. Resumé of the previous Saturday's Sporting.
 10.15 p.m.—The Popular Four.
 10.25 p.m.—My Lightbulb, tenor.
 10.29 p.m.—Relay from Glendy—the Malton News.
 11.15 p.m.—Tennant's programme. Station announcements. Meteorological information, National Anthem.
6W, PERTH.
 Monday.
 12.25 p.m.—Tune in.
 12.35 p.m.—Market, News, and Cabins.
 1 p.m.—Time signal from Perth Observatory.
 1.1 p.m.—Weather notes, supplied by the Meteorological Bureau of Western Australia.
 1.5 p.m.—Studio Quintette, conducted by Mr. Val Smith.
 2 p.m.—Close down.
 2.40 p.m.—Tune in.

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8.30 p.m.—Musical programme from the Studio, including Pianoforte Selections by Miss Evelyn White, R.C.M.

Afternoon Tea Concert, relayed from the Carlton Cafe, Hay Street.

Vocal and instrumental numbers.

1.30 p.m.—Close down.

4.45 p.m.—Time.

4.50 p.m.—Uncle Henry and Duff's will tell Short Stories to the Kids.

7.30 p.m.—Studio, Marking News.

7.45 p.m.—Talk by Lieut.-Col. Le Souef, Director of the Zoological Gardens, Smith Perth.

8 p.m.—Time signal from Perth Observatory.

8.1 p.m.—Weather news supplied by the Meteorological Bureau of Western Australia.

CONCERT NIGHT

8.5 p.m.—Old-time Nigger Minstrel night, relayed from the Billy Edwards' Music Warehouse, Murray Street.

Assisting artists will be:

Miss Nellie Daniels, soprano.

Mr. Percy Hill, tenor.

Mr. Billy Edwards, songs of the Fifties.

Items played on the Cuban Nelson Player Piano.

10 p.m.—Late news items, by courtesy of "The Daily News" Newspaper Coy.

Shows with large announcement.

Weather Report and Forecast.

11.30 p.m.—Close down.

120 METRE TRANSMISSION

Simultaneous Broadcast on 120 Metres of Musical Programme given on 1250 Metres.

7ZL, HOBART

Monday.

MORNING SESSION.

11 a.m. to 12 noon.

AFTERNOON SESSION.

2 p.m.—G.P.O. clock times.

3.1 p.m.—Time in selection.

3.5 p.m.—Hobart Stock Exchange quotations. Weather information. Items of interest. Announcements.

5.5 p.m.—Musical selections by 7ZL Studio Trio.

4.15 p.m.—Fashion talk by "Avet Edna," of Brownsall, Ltd., Hobart.

6.40 p.m.—Close down.

EARLY EVENING SESSION.

6.55 p.m.—"Uncle Henry's" half hour.

7 p.m.—"Uncle Hector" talks to the children.

NIGHT SESSION.

7.50 p.m.—Musical selection.

7.55 p.m.—Physical culture talk by Lieutenant Reginald McKinnock.

7.50 p.m.—"Mercury" special telegram news service. Railway auction program news. Weather information. Hobart Stock Exchange quotations.

8 p.m.—G.P.O. clock times.

8.1 p.m.—Studio concert.

Miss Alice Henderson (soprano), Miss Ruby Paine (pianist), Miss Enid Knight (contralto), Mr. J. Bright (solo singer), Mr. O. Burrows (baritone), Mr. G. Boscham (bassoon).

9.30 p.m.—"Mercury" special telegram news service. Telegrammatic weather reports. 9 a.m. weather forecasts. Station announcements. National Anthem.

Tuesday, Sept. 27

2FC, SYDNEY

EARLY MORNING SESSION.

7 a.m. to 8 a.m.

MORNING SESSION.

10 a.m.—"Big Ben" and announcements.

10.5 p.m.—Studio music.

10.15 p.m.—"Sunday Morning Herald" news service.

10.45 p.m.—Studio music.

10.55 p.m.—Late sporting information by the SFC racing commissioner.

10.45 p.m.—Studio music.

11 a.m.—"Big Ben." Marching music for school children.

11.5 a.m.—S.P.A. and Reader's cables.

11.15 a.m.—Studio music.

11.45 a.m.—A talk on home cooking and recipes by Mrs. Hill, Forest.

11.50 a.m.—Close down.

MIDDAY SESSION.

12 noon.—"Big Ben" and announcements.

12.15 p.m.—Studio Marching, first call.

12.30 p.m.—Official weather forecast, rainfall.

12.35 p.m.—Studio music.

12.40 p.m.—Summary of "Sunday Morning Herald" news service.

12.45 p.m.—Studio music.

12.50 p.m.—Marching music for school children.

12.55 p.m.—Rain falling, controller.

"Dreaming of Home" (Solo).

1.25 p.m.—THE OAK HALL INSTRUMENTAL TRIO (London, Mr. Horace Kincaid).

1.30 p.m.—Studio music.

1.4 p.m.—"Big Ben." Weather intelligence.

1.45 p.m.—"Hymning News" melody news service.

1.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.

1.55 p.m.—Stock Exchange, second call.

2 p.m.—Marching music for school children.

2.10 p.m.—Edie Robbins, contralto:

"A Dashing Ringer" (dead).

2.15 p.m.—Studio music.

2.20 p.m.—THE OAK HALL INSTRUMENTAL TRIO.

2.25 p.m.—"Big Ben."

Close down.

AFTERNOON SESSION.

2 p.m.—"Big Ben" and announcements.

3.1 p.m.—Muriel Walk, contralto (London, "Less than the Dust" (Finlay).

3.15 p.m.—Frank Adams, baritone:

"I'm on my way down" (Bovino).

3.15 p.m.—Anita Payne, Mezzo:

"Disappointment" (Finlay).

3.25 p.m.—Some Popular Records.

3.30 p.m.—Marching Music for School Children.

3.35 p.m.—Janette Rooney, Contralto.

3.45 p.m.—The Oak Hall Instrumental Trio.

3.45 p.m.—Muriel Walk, Contralto:

"Three Green Bananas" (Hendrick).

3.50 p.m.—"Big Ben." Forenoon Grant, Soprano.

"Beauty Sleep" (Arnold).

4 p.m.—Frits of the Royal Agricultural Society's first fair.

4.25 p.m.—Janette Rooney, Contralto.

4.35 p.m.—The Oak Hall Instrumental Trio.

4.40 p.m.—Frank Adams, baritone:

"The Jolly Sailor" (Suzette).

4.45 p.m.—Florence Grant, Soprano:

"A Dream" (Wright).

4.45 p.m.—Stock Exchange, third call.

4.47 p.m.—Anita Payne, Mezzo:

(a) "Confidence" (MacDowell).

(b) "Through the Window" (MacDowell).

4.50 p.m.—"Mercury" special telegram news service, under the patron of Mr. Cyril Kaye.

5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.45 p.m.—The Children of S.P.C.

5.45 p.m.—"The Hello Man" Talks to the Children.

6.10 p.m.—Story Time by the Young Folk.

6.40 p.m.—Studio Music.

6.45 p.m.—Late Sporting News.

7 p.m.—"Delight's Market" Reports (Wool, Wheat and Stock).

7.5 p.m.—Fruit and Vegetable Markets.

7.10 p.m.—News and Weather Information.

7.15 p.m.—Late "Evening News" News Service.

NIGHT SESSION.

7.50 p.m.—Programme Announcement.

7.55 p.m.—"Is It Your Birthday?"

7.55 p.m.—A Talk by Mr. Ian (Gladie Ross, M.B.O.S., on behalf of the Sydney University, dealing with the control of Inver-shake in Sheep.

8.15 p.m.—David Coates, Baritone.

8.25 p.m.—Sophie Lashmore, Instrumentalist.

8.30 p.m.—"Big Ben." The Metropolitan Band (from the Darlington Town Hall):

(a) "Swiss in Glory" (Hall).

(b) Selection, "La Traviata" (Verdi).

8.15 p.m.—David Coates, Baritone.

8.19 p.m.—Sophie Lashmore, Instrumentalist.

8.23 p.m.—The Metropolitan Band (from the Darlington Town Hall):

(a) "Overture, "Royal Windsor" (Gosswood).

(b) Waltz, "Crown of Love" (Rimsky).

8.31 p.m.—David Coates, Baritone.

8.40 p.m.—The Metropolitan Band (from the Darlington Town Hall):

(a) "Four Selections" (Gosswood).

(b) "Miserable Riches" (Trenchard).

(c) Grand March, "Tannhauser" (Wagner).

8.6 p.m.—"Big Ben"; Latest Weather Forecast.

8.7 p.m.—Sophie Lashmore, Instrumentalist.

8.10 p.m.—"The Radio Revue," under the direction of Laurence Halbert, will entertain:

Operatic Thesps

A Little Dialogue.

8.15 p.m.—Gwladys Fimister, Soprano.

8.18 p.m.—A Rielick.

8.22 p.m.—Harold Hickey, Tenor:

"Tereza" (Bartolucci), (Facchini), (Lombardi).

8.25 p.m.—Wally Baynes, Comedian.

8.30 p.m.—A Rully Rayon, Soprano.

8.34 p.m.—Gwladys Fimister, Soprano.

8.37 p.m.—Random Readings.

8.45 p.m.—Harold Hickey, Tenor:

"God Touched the Rose" (Brown).

8.45 p.m.—Wally Baynes, Comedian:

"The Four Seasons" (Bartolucci).

8.48 p.m.—Gwladys Fimister, Soprano.

8.50 p.m.—Charles Lawrence, Entertainer.

8.55 p.m.—"Big Ben"; A Little Dancing.

10.3 p.m.—Harold Hickey, Tenor:

"Drink to Me Only" (Quiller).

10.5 p.m.—Wally Baynes, Comedian.

10.12 p.m.—Some Dance Items.

10.17 p.m.—Charles Lawrence, Entertainer.

10.23 p.m.—Laurence Halbert, Baritone.

10.28 p.m.—A Rielick.

10.35 p.m.—"Good Night."

10.35 p.m.—From the Sydney Town Hall, Dance Items by Cyril Coy and his Orchestra, playing at the Catholic War Scouts Hall.

10.49 p.m.—Studio Item.

10.44 p.m.—Cyril Coy's Orchestra in dance selection from "The Sydney Town Hall."

10.57 p.m.—Late News and Announcements.

1.10 a.m.—"Big Ben."

Cyril Coy's Orchestra will play dance music from the Sydney Town Hall until 11.30 p.m.

11.30 p.m.—National Anthem; Close Down.

2BL, SYDNEY.

Tuesday.

EARLY MORNING SESSION.

7 a.m. to 8.5 a.m.

MORNING SESSION.

10.30 a.m.—G.P.O. Clock and Chimes; Musical Programme from the Studio.

10.40 a.m.—News from the "Daily Telegraph" Editorial.

10.50 a.m.—Musical Programme from the Studio.

11.0 a.m.—G.P.O. Clock and Chimes; Announcements.

11.15 a.m.—(Special Notes: Replies to Correspondents by Mrs. Jordan. Talk on "Treatment of Muscle Injuries," by Mr. Adams.

12.0 noon.—G.P.O. Clock and Chimes; special Ocean Forecast and Weather Report.

12.3 p.m.—Brunswick Panoptro Musical Revue.

12.15 p.m.—Information; Mail, Shipping, and Post Directory.

12.15 p.m.—News in Call by Wirecast.

12.30 p.m.—Fruit Market Report.

12.35 p.m.—Vegetable Market Report.

12.35 p.m.—London Meat Market Report.

12.35 p.m.—Dairy and Farm Produce Market Report.

12.58 p.m.—Stock Exchange.

12.50 p.m.—G.P.O. Clock and Chimes; Passage Market Report.

12.52 p.m.—Fish Market Report.

12.53 p.m.—Pubbic Market Report.

12.55 p.m.—News from the "Sun."

12.45 a.m.—Hills of the Continental Quartets. Direction, Cary; Casting.

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1.10 p.m.—G.P.O. Clock and Chimes; Talk to Children and Special Entertainment for Children in Hospital.
 1.15 p.m.—G.P.O. Clock and Chimes; Close Down.
AFTERNOON SESSION
 Racing Information Broadcast immediately after each Race, by courtesy of the Jockey Club.
 2.0 p.m.—G.P.O. Clock and Chimes; News from the "Sun."
 2.15 p.m.—Civil Service Stores Trio, Digestion, Miss de Courcy Bremer.
 2.30 p.m.—G.P.O. Clock and Chimes; News from the "Herald."
 2.40 p.m.—Musical Programmes from the Studio.
 2.55 p.m.—News from the "Sun."
 3.0 p.m.—G.P.O. Clock and Chimes; Civil Service Stores Trio.
 4.15 p.m.—Social Story.
 4.35 p.m.—Musical Programmes from the Studio.
 4.50 p.m.—News from the "Sun."
 4.55 p.m.—Recess of Night's Programme.
 4.57 p.m.—Racing Results.
 4.59 p.m.—Special Ocean Forecast.
 5.0 p.m.—G.P.O. Clock and Chimes; Close Down.

EARLY EVENING SESSION.
 5.45 p.m.—G.P.O. Clock and Chimes; Children's Session.
 5.55 p.m.—Musical Programmes from the Studio.
SPECIAL COUNTRY SESSION.
 7.0 p.m.—G.P.O. Clock and Chimes; Australian Mercantile Land and Finance Co.'s Report; Weather Report and Forecast, by courtesy of Government Meteorologist; Producers' Distributing Societies' Fruit and Vegetable Market Report; Stock Exchange Daily Produce Report ("Sun");
 7.15 p.m.—Country News from the "Sun."
 7.30 p.m.—Talk on "Tennis," by Dr. McElkinn.

8.5 p.m.—G.P.O. Clock and Chimes; Broadcaster's Topical Clauses.
 8.5 p.m.—Broadcaster's Light Orchestra, under the Direction of Mr. J. Knight Barnett.
 9.11 p.m.—Mr. Peter Suberland (Bass).
 9.15 p.m.—Miss Edith Kilminster (Soprano).
 9.20 p.m.—Miss C. L. Robinson (Eclair-Soprano).
 9.31 p.m.—Miss Helena Stewart (Soprano).
 9.35 p.m.—Miss Florence Furbush (Viola Soloist).
 9.43 p.m.—Mr. Lance Jeffrey (Tenor).
 9.45 p.m.—Broadcaster's Light Orchestra.
 9.55 p.m.—Wooding Report and Forecast by courtesy of Mr. C. J. Marx, Government Meteorologist.
 9.55 p.m.—G.P.O. Clock and Chimes.
 10.1 p.m.—A Song Opera entitled, "Flora's Holiday," composed by H. Lane Wilson, Soloists:
 Soprano, Helena Stewart.
 Contralto, Amy Outlines.
 Tenor, Lance Jeffrey.
 Bass, Peter Suberland.
 Presented under the Direction of Mr. E. Verry Barnett.
 10.31 p.m.—Miss Edith Kilminster.
 10.35 p.m.—Miss Amy Outlines.
 10.40 p.m.—Miss E. Robinson.
 10.47 p.m.—Miss C. L. Robinson.
 10.55 p.m.—Recess of Following Day's Programme.
 11.0 p.m.—G.P.O. Clock and Chimes.
 11.11 p.m.—Broadcaster's Light Orchestra.
 11.21 p.m.—The Ambassadors' Dance Band broadcast from the ballroom of the Ambassadors. During intervals between dances, "Sun" News will be broadcast.
 11.5 midnight.—G.P.O. Clock and Chimes; National Anthem.

2UW, SYDNEY

Tuesday.
MORNING SESSION.
 9.0 a.m.—News, Shipping Mail, Musical Items.
 9.45 a.m.—Women's Session.
 10.25 a.m.—Recess of forward programme.
 10.45 a.m.—Close down.

AFTERNOON SESSION.
 2 p.m.—Piano-Forte Solo: Mr. Palmer Kent.
 2.5 p.m.—Professor C. Bauer: Violin solo.
 3.15 p.m.—Studio Items.
 3.30 p.m.—Recess of forward programme.
 3.45 p.m.—Close down.

EVENING SESSION.
 8 p.m.—Studio Items.
 8.55 p.m.—Recess of forward programme.
 9.15 p.m.—Close down.

NIGHT SESSION.
 1 p.m.—Where to Go.
 1.10 p.m.—Studio Items.
 1.30 p.m.—Mr. Greenwood: "The Care of the Car."
 1.45 p.m.—Studio Items.
 1.55 p.m.—Gems of the Opera, No. 7, "Carmen" (Biseli), by George V. Mansel.
 2.05 p.m.—Studio Items.
 2.20 p.m.—Recess of forward programme.
 2.40 p.m.—Close down.

3LO, MELBOURNE.

Tuesday.
MIDDAY SESSION.
 12 noon—Time signal. Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. British official wireless news from Rugby. Better's and the Australian Press Association cables. "Argus" News Service.
 12.30 p.m.—STUDIO QUARTET:
 "Ophelia Sings" (Coltrane Taylor).
 12.35 p.m.—EILEEN CASTLES, soprano:
 "Gilda's Aria" (Carmen).
 "Cockles and Musshells" (Irish).
 12.37 p.m.—Stock Exchange Information.
 12.40 p.m.—STUDIO QUARTET:
 "The Merry Positum" (Lange).
 12.50 p.m.—We have much pleasure in introducing to you the Singing Comedian, SYD FAYNE, who will sing:
 "You Tell Her I Sings."
 "O Gee I'm in Love."
 12.55 p.m.—THE STUDIO QUARTET:
 "Merry" (Irish).
 1.00 p.m.—The Clock in the Steeple strikes ONE.
 1.1 p.m.—Meteorological information. Weather forecast for Victoria, Tasmania, South Australia and New South Wales. Cash forecast. River reports. Rational for Victoria, Tasmania, South Australia and New South Wales.
 1.16 p.m.—CHRISTIAN SCIENCE LECTURE
 by DOCTOR TUTT, C.S.B., transmitted from the Auditorium.
 1.50 p.m.—EILEEN CASTLES, soprano:
 Selected.

AFTERNOON SESSION.
 2 p.m.—JOE ARONSON AND HIS SYMPO-SYMPHONISTS.
 2.15 p.m.—"AU FAT!"
 2.25 p.m.—Talk.
 2.35 p.m.—JOE ARONSON AND HIS SYMPO-SYMPHONISTS.
 2.45 p.m.—SID FAYNE, comedian.
 "Meet Me."
 2.55 p.m.—JOE ARONSON AND HIS SYMPO-SYMPHONISTS.
 3.05 p.m.—ANITA SEAWAY, comedienne:
 "As You Sow."
 "I Don't Do Nothing but Sain."
 3 p.m.—JOE ARONSON AND HIS SYMPO-SYMPHONISTS.
 4.15 p.m.—MAGGIE FOSTER, violin:
 "Souvenir d'Amour" (Oligant Chamberlany).
 "Because I Love You" (Grippe Berlin).
 4.25 p.m.—JOE ARONSON AND HIS SYMPO-SYMPHONISTS.
 4.35 p.m.—MAYRON MORELAND:
 "Weberthal."
 4.37 p.m.—JOE ARONSON AND HIS SYMPO-SYMPHONISTS.
 4.45 p.m.—"Herald" news service.
 Stock Exchange Information.

EVENING SESSION.
 CHILDREN'S HOUR.
 5.30 p.m.—Answers to letters and broadcast readings by MARY GUMLEAF.
 6 p.m.—STUDIO QUARTET:
 "The Sand Dunes" (Friedman).
 "Pierrots" (Berzel).
 6.15 p.m.—Story for the Littlest Ones by MARY GUMLEAF:
 "Tipply John."
 "Tip" (the "Lioness").
 6.20 p.m.—STUDIO QUARTET:
 "Little Dances" (Gabinets Assoument).
 6.25 p.m.—MARY GUMLEAF:
 "The Mirror of Mirrors."
 6.40 p.m.—Official report of Newmarket Stock Sale by the Associated Stock and Station Agents, Bourke street, Melbourne: number of sheep and cattle drawn for week's sale.
 6.45 p.m.—"Herald" news service.
 Weather Synopsis.
 Shipping movements.
 6.55 p.m.—Stock Exchange Information.
 6.57 p.m.—River news.
 6.59 p.m.—Fish Market reports by J. K. Barrett, Ltd. Rabbit prices.
 7 p.m.—Market reports by the Victorian Producers Co-operative Co., Ltd. Poultry, grain, hax, straw, jute, dairy produce, potatoes and onions. Market reports of fruit by the Victorian Fruitgrowers' Association. Ballarat Stock Market reports.

NIGHT SESSION.
 7.15 p.m.—MR. H. WEBB will talk on:
 "Tales of Tasmania—the Moit Check Case."
 7.30 p.m.—Under the Auspices of the UNIVERSITY EXTENSION BOARD, MRS. E. M. WADDIELL, B.A., Lecturer in English Literature, University Extension Board, will speak on:
 "Kwain."
 7.45 p.m.—CLARENCE WEBER, F.P.C.V., will speak on:
 "The Prevention and Cure of Constipation."
 8 p.m.—FIRST ACT OF "MADAME POMPADOUR," transmitted from His Majesty's Theatre, by permission of J. C. Williamson, Ltd.
 Adapted by FREDERICK LONSDALE and HARRY GRAHAM.
 Lyrics by HARRY GRAHAM.
 Music by LES FELL.
 Presented by arrangement with George Edwards (Daly's Theatre), Ltd., with THE ROYAL COMIC OPERA COMPANY.
 First appearance in Melbourne of BEPPIE DE VRIES.
CAST OF CHARACTERS (in the order of their appearance):
 JOSEPH CALIGOT, ARTHUR STIGANT, JACQUES, CONRAD CHARLTON, LANDLORD, STANLEY OGDERS, BEBE (Comie d'Entrade), FRANK WID-DELL.
 (First appearance in Melbourne.)
 MAHITTE (maid to Madame Pompadour), VERA SPAULL.
 MADAME POMPADOUR, BEPPIE DE VRIES.
 (First appearance in Melbourne.)
 POLLAUD (Assistant to Minister of Police), NORMAN FURNES.
 MATHEW (Minister of Police), LESLIE HOLLAND.
 LIEUT. CORNELLE CHARLES HAWTHORNE.
 (In command of the Guard.)
 COLLIN (Pompadour's Chamberlain), WIL-LIAM PERRYMAN.
 BOUCHER (Court Painter), DAVID RAMSEY.
 AMBASSADOR ANDREW McGEE, TOURELLE (Porcelain Manufacturer), FRED. BOKING, J. H. BOKING.
 MADAME VEU, REMOND.
 (First appearance in Melbourne.)
 KING LOUIS XV., PETER GAWTHORNE.
 Ladies' Courtiers, Bantons, Soldiers, etc. THE PLAY PRODUCED BY FREDERICK J. BLACKMAN.
 SYNOPSIS OF REVENY:
 "The Tenth of The Nine Muses."
 MUSICAL PROGRAMME.

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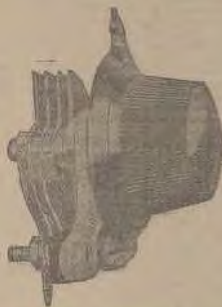
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ACT I.

Introduction and Ensemble, Arthur Sigant and Chorus.

Song, "Caraval Time," Frank Webster and Ladies.

Duet, "Love Me Now," Beppie de Vries and Vera Spaul.

Duet, "By the Light of the Moon," Beppie de Vries and Frank Webster.

Duet, "If I were King," Arthur Sigant and Vera Spaul.

Final Act, Fall Company.

9 p.m.—MR. GLAYVINE HICKS, Secretary to the Lord Mayor's Fund, will speak on "Hospital Saturday Movement."

9.15 p.m.—STUDIOS PRESENTATION OF THE OPERA, "IL TROVATORE," under the direction of J. Sutton Crew, assisted by the STUDIO ORCHESTRA and AUBURN METHODIST CHORUS.

Leavers, ELISE DAVIES, soprano, Inez, BEATRICE McEVITT, soprano. ANZERA, MADAME AGNES JANSEN, contralto.

Musico, JOHN D. SULLIVAN, tenor. Rulk CHARLES D. RIGGALL, tenor.

Il Conte di Luna, J. ALEXANDER BROWKE, baritone.

Ferrando, F. DAVIES, bass.

10.45 p.m.—"Arcus" news service: weather; Sporting Notes by "Olympus."

British official wireless news from Rugby. THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY is for PEDESTRIANS!

"The man who rushes in headlong usually comes out too feet first."

11 p.m.—OUR GREAT TROUBT: "There is nothing to do with men but to love them; to contemplate their virtues with admiration, their faults with pity and forbearance, and their injuries with forgiveness."—Dewey.

11.15 p.m.—JOE ARNOLDSON AND HIS SYNCO-SYMPHONISTS.

11.40 p.m.—"GOD SAVE THE KING."

5CL, ADELAIDE.

Tuesday.

MORNING SESSION.
12 noon to 2 p.m.

AFTERNOON SESSION.
2 p.m.—Chimes.
2.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral selections.

2.45 p.m.—From the studio—Talk by the Rev. G. E. Hale B.A.

4 p.m.—Chimes.
4.15 p.m.—Relay from the Arcadia Cafe—Orchestral selections.

6.55 p.m.—Station announcements, Monks, E. C. Ward and Co's Stock Exchange Intelligence.

8 p.m.—Chimes.
8 p.m.—Chimes.

8.1 p.m.—Chimes.
8.1 p.m.—Relay from the Covent Garden Restaurant—Dinner Music.

8.35 p.m.—Religious services.
8.45 p.m.—Running time of the East West Express.

8.45 p.m.—Bedtime Stories continued.

9.25 p.m.—Messrs. S. C. Ward and Co's Stock Exchange Intelligence. Market reports by Messrs. A. W. Sandford and Co., A. E. Hall and Co., Dalgety and Co., S. A. Farmers Co-operative Union, Taylor Bros., Retail Grocers Association, J. N. Young Pty., Ltd., special reports on the tonnage market, Interstate Fruit and Produce Market Co., Durr's Fish Market Reports.

9.55 p.m.—Garden talk by "Spuds."

10.1 p.m.—Home Beautiful talk by "Dennis."

8 p.m.—Chimes.
8.1 p.m.—Holdens Band.

8.15 p.m.—Alice Mallot, soprano.
8.20 p.m.—Holdens Band.

8.25 p.m.—Alice Mallot, soprano.
8.30 p.m.—Holdens Band.

8.35 p.m.—Don Farnold, humorist.
8.40 p.m.—Holdens Band.

9.15 p.m.—Meteorological information.
9.2 p.m.—Dalgety's wheat report.
9.5 p.m.—Holdens Band.

9.15 p.m.—Signor Rigattieri, tenor.

9.25 p.m.—Holdens Band.
9.27 p.m.—Don Farnold, humorist.

9.35 p.m.—Holdens Band.
9.45 p.m.—Signor Rigattieri, tenor.

9.45 p.m.—Holdens Band.
9.50 p.m.—Don Farnold, humorist.

10.1 p.m.—"Advertiser" news service. Wireless Shipping, Windling's sporting service. Dr. Dixit.

10.15 p.m.—Holdens Band.
10.25 p.m.—Pianoforte solo, Tom King.
10.35 p.m.—Relay from Glenelg—The Malton Echo Band.

11.15 p.m.—Tomorrow's programme. Station announcements, Meteorological information, National Anthem.

6WF, PERTH.

Tuesday.

12.20 p.m.—Tune in.
12.30 p.m.—Market, News, and Cabins.

1 p.m.—Time signal from Perth Observatory.
1.15 p.m.—Weather notes, supplied by the Meteorological Bureau of Western Australia.

1.2 p.m.—Studio instrumental Trio.
1.30 p.m.—Close down.

1.50 p.m.—Tune in.
2.25 p.m.—Musical programme, including Pianoforte Selections, by Miss Evelyn Willis, A.R.C.M.

Organ selections, relayed from the Grand Theatre, Murray Street.

2.45 p.m.—Health Talk, by Mr. H. R. Hutton, of the Hutton School of Physical Culture.

Musical programme, including vocal and instrumental numbers.

4.30 p.m.—Close down.
4.45 p.m.—Tune in.

4.50 p.m.—Children's Playette, by Uncle Duff, with Annette Marjorie, Evelyn and June, and Sylvia Henry, Leslie, Ferris, Baz and Duff.

5.20 p.m.—Stocks, Markets, News.
5.45 p.m.—Talk, "Wireless Troubles," by Dr. Fiam.

5 p.m.—Time signal from Perth Observatory.
5.1 p.m.—Weather notes, supplied by the Meteorological Bureau of Western Australia.

A DELAYED CONCERT.
6.3 p.m.—Maylands Orphan Society Concert, relayed from the Assembly Hall, Pier Street.

10 p.m.—Late news items, by courtesy of "The Daily News" Newspaper Coy.

Ships with range announcement. Weather Report and Forecast.

10.50 p.m.—Close down.
10.55 p.m.—100 METRES TRANSMISSION.

Simultaneous Broadcast on 100 Metres of Medical Programme given on 1250 Metres, commencing at 8 p.m.

7ZL, HOBART.

Tuesday.

MORNING SESSION.
11 a.m. to 12 noon

AFTERNOON SESSION.
2 p.m.—G.P.O. clock chimes.

2.1 p.m.—Tune in selection.
2.5 p.m.—Hobart Stock Exchange quotations. Weather information. Items of interest.

Announcements.
3.15 p.m.—Selections by TZL Studio Trio.

4.15 p.m.—Cooking talk by "Rerubh."
4.30 p.m.—Close down.

EARLY EVENING SESSION.
6.50 p.m.—Uncle Hector's talks to the children.

7 p.m.—"Uncle Peter's" half hour.
7.30 p.m.—Musical selection.

7.35 p.m.—Literary letters and library list, by Mr. W. E. Fuller.

7.50 p.m.—"Mercury" special Tasmanian news service. Railway stopping produce sales. Weather forecasts. Hobart Stock Exchange quotations.

8 p.m.—G.P.O. clock chimes.
8.15 p.m.—Broadcast by direct wire from Imperial Hotel, Hobart, dance numbers by Mrs. Sheppards' Trio, interspersed with items from the studio.

9.0 p.m.—British official wireless news.

9.50 p.m.—"Mercury" special interstate news service. Ships with wireless range. Tasmanian district weather reports. 9 p.m. weather forecast. Station announcements. National Anthem.

Wednes., Sept. 28
2FC, SYDNEY.

EARLY MORNING SESSION, 7 to 9 a.m.
MORNING SESSION.

10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Studio music.

10.15 a.m.—"Sydney Morning Herald" news service.
10.30 a.m.—Studio music.

10.35 a.m.—A reading.
10.45 a.m.—Studio music.

11 a.m.—"Big Ben." Marching music for school children.

11.05 a.m.—A.P.A. and Heuter's Cabins.
11.10 a.m.—Studio music.

11.15 a.m.—Broadcast on Home Cooking and Recipes, by Miss Ruth Ford.

11.30 a.m.—Close down.
MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange, first call.

12.5 p.m.—Official weather forecast, rainfall.
1.5 p.m.—Studio music.

12.10 p.m.—Summary of "Sydney Morning Herald" news service. Rugby wireless news.

12.25 p.m.—Studio music.
12.30 p.m.—Marching music for school children.

12.40 p.m.—Daniel Hardy, baritone: "If Thou Wert Bird" (Jackson).

12.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO.

12.55 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.

1.2 p.m.—"Evening News" midday news service.
1.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.

1.25 p.m.—Stock Exchange, second call.
1.35 p.m.—Marching music for school children.

1.40 p.m.—Daniel Hardy, baritone: "Mother O' Mine" (Haigh).

1.45 p.m.—Studio music.
1.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.

2 p.m.—"Big Ben."
Close down.

AFTERNOON SESSION.
2 p.m.—"Big Ben" and announcements.

2.5 p.m.—A Recital by the Senior Pupils of Madame Ada Baker.

Duet, "Ave Maria" (Mancagnil).
Miss Rita Head and Flo Jones.

2.7 p.m.—Song, "Had you but known" (Dennis).
Morris Dale.

3.11 p.m.—Song, "A Little Love Nest Just for you" (Lohr).
Alma Samsony.

3.15 p.m.—Character song, "I Don't Feel at home in 'igh Society'" (Woody).
Doris Rowland.

3.18 p.m.—Song, "Brown Eyes I Love" (Gustav).
Harry Jackson.

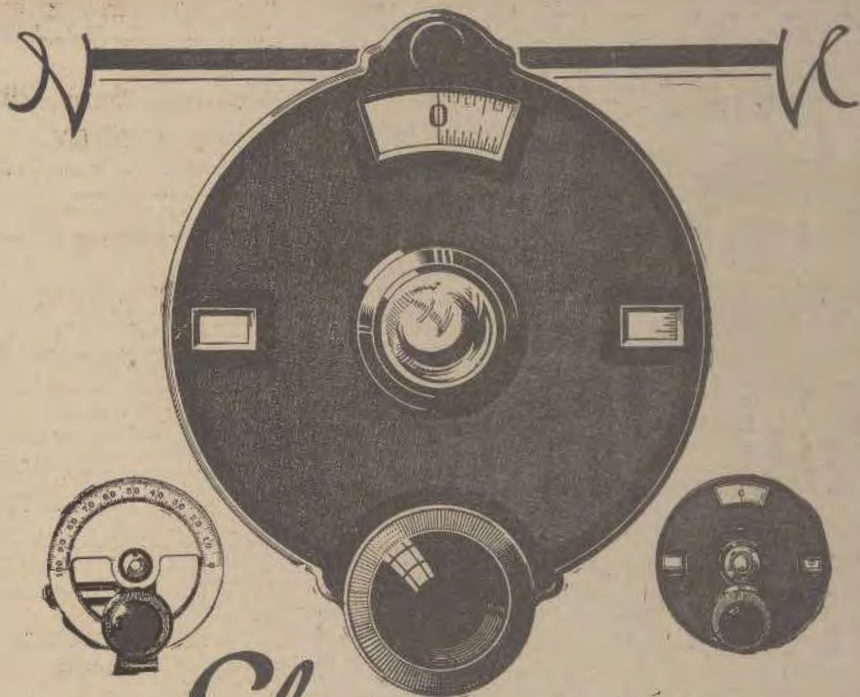
3.22 p.m.—Instrumental Quartets, "Scarlet and Blue March" (Red).
Pupils from the Studio of Miss Kileen Davies.

3.27 p.m.—Duet, "Veretian Boat Song" (Kilmenhull).
Rita Head and Flo Jones.

3.30 p.m.—Marching music for school children.
3.40 p.m.—Alison Barr, mezzo.

3.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
3.50 p.m.—Song, "Gayer Love" (O'Hara).
Mr. Morris Dale.

3.55 p.m.—Maletrio, "Morse-contralto." "I did not know" (Trotter).



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YALE BATTERIES

- 4 p.m.—"Big Ben."
William Boyyer, basso.
"Queen Trott" (Gibson).
4.5 p.m.—The Oak Hall Instrumental Trio.
4.10 p.m.—Details of the Royal Agricultural Society's Harvest Fair.
4.20 p.m.—"Open Gate," mezzo.
4.25 p.m.—The Oak Hall Instrumental Trio.
4.35 p.m.—Joyce Gillespie, mezzo-soprano.
4.40 p.m.—Maimon Morris, mezzo-contralto.
"Beguinary" (Lindbergh).
4.45 p.m.—William Boyyer, basso.
"Quiet" (Sanderson).
4.45 p.m.—Stock Exchange (third call).
4.5 p.m.—Joyce Gillespie, mezzo-soprano.
4.55 p.m.—The Wentworth Symphonic Dance Orchestra, conductor, Mr. Cyril Kaye.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

- 5.40 p.m.—The Chimes of St. Paul.
5.45 p.m.—The "Hello Max" talks to the children.
6.15 p.m.—Doris Has and "Jerry" waterain.
6.20 p.m.—Story time for the young folk.
6.25 p.m.—Steady music.
6.30 p.m.—Late sporting news.
7 p.m.—Dairy's Market Reports (wheat, wheat and stock).
7.20 p.m.—Fruit and vegetable markets.
7.45 p.m.—News and weather information.
7.15 p.m.—Late "Evening News" news review.

NIGHT SESSION.

- 7.50 p.m.—Programme announcements.
7.55 p.m.—From the Royal Agricultural Society's Grounds, Sydney.
8.10 p.m.—Items from the Inter-State Band Contest.
7.58 p.m.—"Is it your Birthday?"
8 p.m.—"Big Ben."
(a) "Amber Music" pianoforte solo.
"Carnival's Jest from Vienna" (Schumann).
8.5 p.m.—Crickets reminiscence.
8.16 p.m.—Alfred Cunningham, baritone.
(14) "Di Giovanni il mas" ("La Traviata") (Verdi).
(15) "Miserere Devon" (German).
8.23 p.m.—From the Royal Agricultural Society's Grounds, Sydney.
8.30 p.m.—Items from the Inter-State Band Contest.
8.40 p.m.—Edison Black, contralto.
8.47 p.m.—Lindsay Evans, pianoforte solo:
(a) "Prelude" (Chopin).
(b) "Prelude" (Chopin).
(c) "Bocles and Serries" (Parry).
8.57 p.m.—Mr. Gratian Smith will give a Radio Review.
9.2 p.m.—Latest weather forecast.
9.4 p.m.—H. W. VAHNA and his Company will present a selection of scenes from the Changing Costume Comedy:
"THE SCARLET PIMPERNEL."

Cast:

The Debutante:
Evelyn Noel Waterworth
Cliffen, William Philipp
Gard, William Puddler.
Six Perry Blakney, H. W. Vahna.

The Play:

Companie de Tournai, Muriel Conant
Suzanne de Tournai, Meg Service
Marguerite Blakney, Genevieve
Sir Andrew Foulkes, William Harro.
Sir Anthony Dewhurst, Percy Morris.
Six Perry Blakney, H. W. Vahna
Armand G. Just, Arthur Milne.
Jelly Bond (unemployed), G. Hagee.
Chouvin (French Envoy), H. J. Salter.
Introductory Remarks: "Fairb (Orszag).
1. "At the West Buryard," "Dovey"
(Orszag).
(Orszag).

- 9.35 p.m.—Alfred Cunningham, baritone:
(14) "A Sonnet Night" (Edward German).
(15) "Long Ago in Aelia" (Messager).
9.40 p.m.—Selections from Act 3 of "The Scarlet Pimpernel" by H. W. Vahna and his Company.
Scene, "Gardens at Blakeney's House."
9.55 p.m.—"Green Boy," contralto.
10.2 p.m.—Selections from Act 8 of "The Scarlet Pimpernel" played by H. W. Vahna and his Company:
Scene, "Auberge, Lion d'Or, Calais."
10.17 p.m.—Joe Cahill, entertainer.
10.25 p.m.—Mary Hunter, mezzo solo:
"A Kentucky Rhapsody" (Smith).

- 10.24 p.m.—Joe Cahill, entertainer.
10.25 p.m.—The Wentworth Symphonic Dance Orchestra, under the baton of Mr. Cyril Kaye.
10.34 p.m.—Mary Hunter, mezzo solo:
"Valseing Dreams of Heidelberg" (Urey).
10.40 p.m.—The Wentworth Symphonic Dance Orchestra, Conductor, Mr. Cyril Kaye.
10.48 p.m.—Joe Cahill, entertainer.
10.47 p.m.—Late news and announcements.
11 p.m.—"Big Ben."
The Wentworth Symphonic Dance Orchestra.
11.2 p.m.—Mary Hunter, mezzo solo:
"Don't sing Aloha" (Moret).
11.15 p.m.—The Wentworth Symphonic Dance Orchestra.
11.30 p.m.—National Anthem.
Close down.

2BL, SYDNEY.

Wednesday.

EARLY MORNING SESSION.

7 a.m. to 8 a.m.

MORNING SESSION.

- 11 a.m.—G.P.O. clock and chimes.
Musical programme from the Studio.
11.15 a.m.—Talk on "Rowing," by Miss Green.
Varley "Broadcasters' women's sports authority."
Social notes. Replies to correspondents by Mrs. Jarvis.
Talk on "Dental Hygiene," by a member of the Dental Board.

AFTERNOON SESSION.

- Racing information broadcast immediately after each race by courtesy of the "Sun."
12 noon—G.P.O. clock and chimes.
Special news forecast and weather report.
12.5 p.m.—Musical Programme.
12.55 p.m.—Information. Mail, shipping and port affairs.
12.58 p.m.—Boats in call by wireless.
12.59 p.m.—Fruit market report.
13.20 p.m.—"Vegetable market report."
13.24 p.m.—London market report.
13.25 p.m.—Dairy and Cereals produce market report.
13.26 p.m.—G.P.O. clock and chimes.
Foreign market report.
13.28 p.m.—Rabbit market report.
13.34 p.m.—News from the "Sun."
13.42 p.m.—Miller's Instrumental Quartet—Uperiano, Cyril Costling.
1.30 p.m.—G.P.O. clock and chimes.
Talk to children and special entertainment for children in hospital.
2 p.m.—G.P.O. clock and chimes.
Musical programme from the Studio.
2.10 p.m.—Racing resume.
2.15 p.m.—News from the "Sun."
2.20 p.m.—"Agora" talk, "The Great Companion" by Mr. G. A. Saunders.
2 p.m.—G.P.O. clock and chimes.
News from the "Sun."
2.16 p.m.—Musical programme from the Studio.
2.45 p.m.—Talk on "How to maintain your health," by Dr. Du Mouret.
2.46 p.m.—Dunwoody's Dance Band, broadcast from the Pussycat Cabaret.
4 p.m.—G.P.O. clock and chimes.
News from the "Sun."
4.15 p.m.—Serial short.
4.20 p.m.—Bungawa's Dance Band.
4.25 p.m.—News from the "Sun."
4.34 p.m.—Resume of night's programme.
4.57 p.m.—Racing resume.
4.59 p.m.—Dunwoody's Dance Band.
5 p.m.—G.P.O. clock and chimes.
Close down.

EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. clock and chimes.
Children's session.
5.50 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. clock and chimes.
Australian Mercantile, Land, and Finance Co.'s report.
Weather report and forecast by courtesy of Government Meteorologist.
Producers' Distributing Society's fruit and vegetable market report.
Stock Exchange reports.
Grain and Fodder report ("Sun").
Dairy produce report ("Sun").
N.Z.M.A. talk.
7.15 p.m.—Country news from the "Sun."
7.25 p.m.—Talk by a member of the St. John Ambulance Association.
7.40 p.m.—Talk on "The Wages System," by Mr. Alan Pickering, R.Ec.
8 p.m.—G.P.O. clock and chimes.
Broadcasters' Tiptical Chorus.
8.3 p.m.—The Canterbury District Band (bandmaster, Mr. Stan Nichols) broadcast from Baker's Hall, Cambridge.
8.33 p.m.—Mr. Bert Gilbert, comedian.
8.38 p.m.—McC. Morrison and his Gloom-chasers broadcast from the ballroom of the Bondi Casino.
8.45 p.m.—Broadcasters' all sports expert will talk on boxing and golf and general sporting news.
9 p.m.—G.P.O. clock and chimes.
9.1 p.m.—Weather report and forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.
9.3 p.m.—McC. Morrison and his Gloom-chasers broadcast from the ballroom of the Bondi Casino.
9.17 p.m.—The Canterbury District Band.
9.37 p.m.—Forty-five minutes of harmony and humor by the Quaker Maids.
10.22 p.m.—McC. Morrison and his Gloom-chasers broadcast from the ballroom of the Bondi Casino.
10.32 p.m.—Resume of following day's programme.
10.44 p.m.—McC. Morrison and his Gloom-chasers broadcast from the ballroom of the Bondi Casino.
10.46 p.m.—"Sun" news service.
10.50 p.m.—McC. Morrison and his Gloom-chasers broadcast from the ballroom of the Bondi Casino.
11 p.m.—G.P.O. clock and chimes.
National Anthem.

2GB, SYDNEY

Wednesday.

MORNING SESSION.

- 9 a.m.—Music.
9.5 a.m.—"Cherzie" Talk.
9.15 a.m.—Music.
9.50 a.m.—Psychological Class.
10.4 a.m.—Music.
10.45 a.m.—Health and Diet.
10 a.m.—Close down.

AFTERNOON SESSION.

- 1.30 p.m.—Music.
2.37 p.m.—Address: Professor E. Wood.
3.52 p.m.—Music.
4.7 p.m.—Address: National Association.
4.22 p.m.—Music.
4.30 p.m.—Close down.

EVENING SESSION.

- 7 p.m.—Music.
7.5 p.m.—Address: P. Honste, B.A.
7.15 p.m.—Instrumental Trio.
7.30 p.m.—Political Address: National Association of N.S.W.
8 p.m.—Duo for two Violins, with Piano accompaniment:
DAN SCULLY, MONICA HORDER, ADA BROOK.
8.10 p.m.—Songs by Ethel Jones:
1. "Beloved"
2. "Nocturne" (Michael Head).
8.18 p.m.—Violin Solos: DAN SCULLY.
1. "Tambourin" (Romenes).
2. "Minuet" (Friederwisk).
8.26 p.m.—2GB Vocal Quartette:
Plantation Songs.

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When I read of some ancient hero jumping into the jaws of lions to rescue his lady's glove, I lionly smile. Was I not a greater hero?

At the early age of eight, I adorned a young lady of 18, who was learning to paint. She used stale bread to rub out mistakes in her sketching, and I—I—stole some of those bread droppings and ate them! Thus I hoped to keep something of hers near my heart, —could devotion go further?

That was the first time I heard of "Chrome." The charmer got her sunset effects with a yellow paint called Chrome Lake.

Little did I dream then that the day would dawn when that mystic word Chrome would be associated for me with something infinitely more precious and faithful than my Lady of the Breadcrumbs.

I refer, of course, to the Burgess Battery, sold by—no, that comes in at the foot.

To-day Chrome is a magic material which is famous in the finest steel, the longest living leather, the best paint. If matrimony could be made chromatic, it would be full of color and sparkle and guaranteed to last.

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1. "Way Down far in Tennessee"
2. "It's gone"
3. "Pomona's Ball"
- ETHEL JONES, EVA CASIMIR, THOMAS HALL, CLEMENT HOSKING.
- 3.56 p.m.—Piano Solos: ADA BROOK.
1. "Frieda" (Morris Solomon).
2. "Barbudo" (Liszt).
- 6.44 p.m.—Songs by Eva Casimir:
1. "Queen Mary's Song"
2. "As Song of Autumn" (Eliot).
- 8.53 p.m.—GIB VESAL Quartette:
1. "De Lectura"
2. "Hurry up, Pompey"
3. "The Lady Moon"
- Phonation Songs.
- 9 p.m.—Recited by Mr. Heath Burdick:
- "Othello's Defense" (Shakespeare).
- 2.15 p.m.—Solo Solos: MONICA HORDER.
1. "Tempo de Minuetto" (arr. Kreisler).
2. "Prelude" (Debussy).
- 9.23 p.m.—Duet for the Violin with Piano accompaniment:
- DAN SULLY, MONICA HORDER, ADA BROOK.
1. "Chamane Trieste" (Tchaikowsky).
2. "Song to Spring" (Max Krach).
3. "Les Mores" (Clement).
- 9.38 p.m.—Songs by CLEMENT HOSKING:
1. "The White Lily" (Old English Air).
2. "When you come Home" (English).
- 9.45 p.m.—Talk. Football: National Association of N.S.W.
- 10 p.m.—Close down.

2UW, SYDNEY

Wednesday.

MORNING SESSION.

- 9 a.m.—News, Shipping, Mail, Musical items.
- 9.45 a.m.—Women's Session.
- 9.58 a.m.—Resume of forward programme.
- 10 p.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—Musical items.
 - 2.58 p.m.—Resume of forward programme.
 - 3 p.m.—Close down.
- ### EVENING SESSION.
- 8 p.m.—Musical items and announcements.
 - 8.49 p.m.—Resume of forward programme.
 - 8.52 p.m.—Close down.

NIGHT SESSION.

- 7 p.m.—Where to Go.
- 7.40 p.m.—Studio items.
- 7.50 p.m.—"National History" Talk No. 4, by George F. Jassal.
- 7.58 p.m.—Studio items.
- 8.15 p.m.—Richard W. Gulespie, Baritone:
- (a) "Friend or Mine."
- (b) "Val"
- 8.41 p.m.—Alf Taylor and his "Antonia" Orchestra.
- 9 p.m.—Studio items.
- 9.29 p.m.—Resume of forward programme.
- 9.50 p.m.—Close down.

3LO, MELBOURNE.

Wednesday.

MIDDAY SESSION.

- 12 noon.—Time signal. Metal plates received by the Australian Mines and Metals Association from the London Stock Exchange this day. British Official Wireless news from Rugby; Reuters' and the Australian Press Association cables. "Acrus" news service.
- 12.20 p.m.—JOE ARONSON AND HIS SYM-PHONISTS.
- 12.30 p.m.—SYD. FAYNE, comedian:
- "Four and Nine."
- "Ty Gungo."
- 12.37 p.m.—Stock Exchange information.
- 12.40 p.m.—JOE ARONSON AND HIS SYM-PHONISTS.

- 12.50 p.m.—MAGGIE FOSTER, violin:
- "March Minutiae" (Schubert).
- "Gavotte."
- 12.57 p.m.—JOE ARONSON AND HIS SYM-PHONISTS:
- "Bohemian" (Liszt).
- 1 p.m.—One Up and Two to Go.
- 1.1 p.m.—JOE ARONSON AND HIS SYM-PHONISTS.
- 1.4 p.m.—KYNRETT, IMPRETT, baritone:
- "The Fortune Hunter" from "How Bells" (Wilde).
- "Little Miss-over-the-way" (Bennett).
- 1.18 p.m.—Meteorological information. Weather forecast for Victoria, Tasmania, South Australia and New South Wales. Ocean forecast. River reports. Rainfall for Victoria, South Australia, Tasmania, and New South Wales.
- 1.28 p.m.—JOE ARONSON AND HIS SYM-PHONISTS.
- 1.30 p.m.—SYD. FAYNE, comedian:
- "Mary Ann."
- "Shanghai or Hobbel."
- 1.37 p.m.—JOE ARONSON AND HIS SYM-PHONISTS.
- 1.47 p.m.—MAGGIE FOSTER, violin:
- "Grieg" (Wolfgang Turner).
- "Popular Choruses."
- 1.54 p.m.—JOE ARONSON AND HIS SYM-PHONISTS.
- 2.10 p.m.—Description of Nucleo Handicap, 5 furlongs, BALLARAT RACES, by "Musket," of "The Sporting Globe."
- 2.15 p.m.—Close down.
- 2.45 p.m.—Description of Jumpers' Flat Race, 1 1/2 miles, BALLARAT RACES, by "Musket," of "The Sporting Globe."
- 2.50 p.m.—Close down.
- Results of Lebusen Races will be given as they come to hand.

AFTERNOON SESSION.

- 2 p.m.—STUDIO QUARTETT:
- "Spanish Gaiety" (Bolero Flow).
- Reverie Parvelli to the Flowers.
- "Nocturno Elysian Danse" (Rawland).
- 2.30 p.m.—Description of Ballarat Turf Club Plate, 6 furlongs, BALLARAT RACES, by "Musket," of "The Sporting Globe."
- 2.30 p.m.—EILEEN CASTLES, soprano:
- 16 selections from her repertoire.
- 2.37 p.m.—REGINALD BRADLEY, violin:
- "Pain Moon" (arr. Kreisler).
- "Schon Heimlich" (Kreisler).
- 2.38 p.m.—STUDIO QUARTETT:
- "Ballad de Fleurs" (Morse).
- "Venetian Romance" (Hildreth).
- 2.45 p.m.—Description of Pinchg Handicap, 1 mile, BALLARAT RACES, by "Musket," of "The Sporting Globe."
- 2.46 p.m.—DOROTHY ROXBURGH, viola.
- 2.47 p.m.—ANITA SHAWNE, comedienne:
- "I'll take him back if he wants to come back."
- "That's a Good Girl."
- 2.47 p.m.—STATION TRIO:
- "March Minutiae" (Jacobi).
- 2.48 p.m.—Description of Ballarat Turf Club Purse, 6 furlongs, BALLARAT RACES, by "Musket," of "The Sporting Globe."
- 2.50 p.m.—SYD. FAYNE, comedian:
- "Freddie."
- "Never Too Old."
- 2.57 p.m.—EILEEN CASTLES, soprano:
- Selected.
- 2.58 p.m.—"Terald" news service.
- Stock Exchange information.
- 2.58 p.m.—ANITA SHAWNE, comedienne:
- "Take a Little One Step."
- "Maestline Women and Pearlaine Men."
- 2.59 p.m.—Description of Flying Handicap, 5 furlongs, BALLARAT RACES, by "Musket," of "The Sporting Globe."
- 3 p.m.—Close down.

EVENING SESSION.

CHILDREN'S HOUR.

- 5.30 p.m.—Announcements and birthday greetings by "MARY MARY."
- 6 p.m.—STUDIO QUARTETT:
- "Sand Dance" (Friedman).
- "The Twilight Hour" (Savino).
- 6.10 p.m.—"MARY MARY" will tell the story of "The Apple of Discord."

- 8.25 p.m.—STUDIO QUARTET:
Bird Music.
- 8.30 p.m.—"MARY MARY" will tell the story of "The Nightingale."
- 8.40 p.m.—"Herald" news service.
Weather reports.
Shipping movements.
- 8.47 p.m.—Stock Exchange reports.
- 8.52 p.m.—Fish Market reports by J. R. Barrett, Ltd. Rabbit prices.
- 8.55 p.m.—River reports.
- 8.58 p.m.—Market reports. Official reports of Newmarket sheep sales by the Associated Stock and Station Agents, Bourke-street, Melbourne. Poultry, grain, hay, straw, jute, dairy produce, potatoes, onions.
- 7.6 p.m.—Market reports of fruit by the Victorian Fruitgrowers' Association.
Ballarat pig market report.

NIGHT SESSION.

- 7.18 p.m.—Under auspices of the DEPARTMENT OF AGRICULTURE, Mr. R. Crowe, Acting Director of Agriculture, will speak on:
"Lessons from the Royal Show."
- 7.30 p.m.—MISS G. FLOS CREIG, B.A., LL.B.:
"Yunnanfu, the Capital of the South-western Province of China."
- 7.45 p.m.—CAPTAIN PETERS:
"Books Wise and Otherwise."
- 8 p.m.—MALVERN SYMPHONY ORCHESTRA:
"Romance for Strings" (Sibelius).
- 8.10 p.m.—EILEEN CASTLES, soprano:
Selected.
- 8.17 p.m.—AGNES FORTUNE, piano recital:
"Works of Beethoven."
- 8.50 p.m.—KENNETH IMPETT, baritone:
Mephistopheles' Song, "The Calf of Field," from "Faust" (Gounod).
"Thou art so like a Flower."
- 8.57 p.m.—MALVERN SYMPHONY ORCHESTRA:
Mikado Selection (Gilbert and Sullivan).
- 8.47 p.m.—"THE CHANGELING," a play in one act, by W. W. Jacobs and H. C. Harcourt.

CHARACTERS:

- George Henshaw, Maurice Dudley.
Mrs. Henshaw, Mrs. Maurice Dudley.
Ted Stokes, Alfred Andrew.
Scene: The Kitchen at Henshaw's house in Hermondsey.
- Time: 9 p.m.
Producer: Alfred Andrew.
- 8.28 p.m.—MALVERN SYMPHONY ORCHESTRA:
"The Prophet" (Meyerbeer).
- 8.27 p.m.—EILEEN CASTLES, soprano:
Selections from her repertoire.
- 8.34 p.m.—REGINALD BRADLEY, violin:
"Rondo" (Mozart-Kreisler).
- 8.40 p.m.—KENNETH IMPETT, baritone:
"To the Forest" (Tchickalowsky).
"Four by the Clock" (Mallinson).
- 8.47 p.m.—MALVERN SYMPHONY ORCHESTRA:
Overture, "Merry Wives of Windsor" (Nicolai).
- 8.57 p.m.—British Official Wireless News Announcements.
THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE for today is for PEDESTRIANS:
"Don't attempt to board a moving car. There is no business important enough to be crippled for it."
- 10.2 p.m.—MALVERN SYMPHONY ORCHESTRA:
"Peer Gynt" (Grieg).
- 10.12 p.m.—ANITA SHAWNE, comedienne:
"Look Around the Corner."
"What'll I Do?"
"Happy."
- 10.19 p.m.—MAGGIE FOSTER, violin:
"Romance d'Automne" (Adele Gerard).
"When Other Lips."
- 10.26 p.m.—Meteorological information.
"Argus" news service.
- 10.34 p.m.—BYD, PAYNE, comedian:
"Kiss Me Again."
"Oriley."

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Large size, type XP, 42 volt	21/-
Extra large size, type Super Service, 42 volt	28/6

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10.40 p.m.—JOE ARONSON AND HIS SYN-
CO-SYMPHONISTS.
"Blue Skies" (Berlia).
"So Blue" (De Siva).
"Lonely Acres in the West" (Robinson).

10.50 p.m.—ANITA SHAWK, comedienne:
"The fat Two."
"From One Till Two."

10.57 p.m.—OUR GREAT THOUGHT:
"It's Spring—open your eyes to the magic
of it—take a walk in the Gardens, if you
can't get off for a day in the country—
It's the beauty of the year, and
"It is the season now to go
About the country high and low,
Among the lilacs hand in hand,
And two by two in fairyland."
—Robt. Louis Stevenson.

10.58 p.m.—JOE ARONSON AND HIS SYN-
CO-SYMPHONISTS.

11.40 p.m.—"GOD SAVE THE KING."

5CL, ADELAIDE.

Wednesday.

MORNING SESSION,
12 noon to 2 p.m.

AFTERNOON SESSION.

3 p.m.—Chimes.

2.1 p.m.—Relay from the Maple Leaf Cafe—
Orchestral selections.

8.45 p.m.—From the Studio—Talk on the Girl
Guide Movement.

4 p.m.—Chimes.

4.1 p.m.—Relay from the Arcade Cafe—Or-
chestral selections, Vocals: Marjorie Walsh
soprano.

4.15 p.m.—Station announcements, Messrs. S.
C. Ward and Co's Stock Exchange Intelli-
gence.

5 p.m.—Chimes.

EVENING SESSION.

8 p.m.—Chimes.

8.1 p.m.—Relay from the Covent Garden Res-
taurant—Dinner Music.

8.35 p.m.—Bedtime Stories.
Special concert arranged for children by
Miss Mary Meegan.

7.55 p.m.—Messrs. S. C. Ward and Co's Stock
Exchange Intelligence, Market reports by
Messrs. W. Stanford and Co., A. F.
Hall and Co., Dalgety and Co., S. A.
Burners Co-operative Union, Taylor Bros.
Retail Grocers Association, J. H. Young's
Special report on the tomato market. In-
ternats Fruit and Produce Market Co.

7.55 p.m.—Ray Scouts Corner.

7.50 p.m.—Packings' Talk.

8 p.m.—Chimes.

8.1 p.m.—Railway Band.

8.11 p.m.—Alice Mallon, soprano.

8.13 p.m.—Railway Band.

8.20 p.m.—Motor talk by "Accelerator."

8.40 p.m.—Alice Mallon, soprano.

8.44 p.m.—Railway Band.

8.54 p.m.—Will Range, humorist.

9.1 p.m.—Meteorological Information.

9.2 p.m.—Dalgety's wheat report.

9.3 p.m.—Railway Band.

9.31 p.m.—Will Range, humorist.

9.33 p.m.—Railway Band.

9.40 p.m.—John McDermott, tenor.

9.42 p.m.—Will Range, humorist.

9.45 p.m.—Railway Band.

9.57 p.m.—John McDermott, tenor.

10 p.m.—"Advertiser" news service,
Shipping, Station announcements.

10.12 p.m.—Railway Band.

6WF, PERTH.

Wednesday.

12.30 p.m.—Tune in.

12.35 p.m.—Market, News, and Cables.

1 p.m.—Time signal from Perth Observatory.
1.1 p.m.—Weather notes, supplied by the
Meteorological Bureau of Western Australia.

A RELATED CONCERT.

1.2 p.m.—Lunch-hour Concert, arranged by
Messrs. Musgrave's Limited, relayed from
Tyne House, Market Street.

1.30 p.m.—Studio Quartette.

2 p.m.—Close down.

2.30 p.m.—Tune in.

2.35 p.m.—Musical programme from the
Studio, including vocal and instrumental
numbers.

Orchestral music by Hoyts Symphony Or-
chestra, relayed from Hoyts New Regent
Theatre, William Street.

4.30 p.m.—Close down.

6.45 p.m.—Tune in.

6.50 p.m.—Stories for Tiny Tots, by Ailthe
Maclean.

7.5 p.m.—Uncle Leslie will tell Short Stories
to the kiddies.

7.50 p.m.—Sports, Markets, News.

7.55 p.m.—Talk.

8 p.m.—Time signal from Perth Observatory.

8.1 p.m.—Weather notes, supplied by the
Meteorological Bureau of Western Australia.

VARIETY NIGHT.

8.3 p.m.—Items by the Revellers' Concert
Party and Orchestra!

Overture, "Brown Eyes in Your Dream"
(Tennant).

Revellers' Orchestra.
Soprano solo, "Cherrie, I Love You" (Good-
man).

Mr. Bert Dixon,
Comedy, "I've Never Wounded an Olio"
(Hargrave).

Mr. Percy Lester,
Musical program solo, "Wondering Why"
(Clarke).

Miss Clarice Lester,
Orchestral, "Song of the Wanderer" (Moret).

Revellers' Orchestra.
Monologue, "Grew Tilt of the Yellow Dog."
Mr. Archie Jennings.

Berlino solo, "A Bazaar" (Loughborough).

Mr. W. Costley,
Orchestral, "Oh What Big Eyes You Have"
(Hahn-Field).

Revellers' Orchestra.
Comedy, "The Joy Boys."

Lester and Lester
Concerting solo, Selected.

Mr. Frank Mitchell,
Orchestral, "Blue Skies" (Wellin).

Revellers' Orchestra.
Soprano solo, Selected.

Miss Ida Begg,
Bartone solo, "Fort of Sydney" (Drash).

Mr. Percy Lester,
Orchestral, "Uncertain Feeling" (Kears).

Revellers' Orchestra.
Mezzo-Soprano solo, "Hawaiian Butterfly"
(Blankie).

Miss Clarice Lester,
Monologue, "Laska."

Mr. Archie Jennings,
Orchestral, "Tonight you Belong to Me"
(Ross).

Revellers' Orchestra.
Concerting solo, Selected.

Mr. Frank Mitchell,
Duet, "Hobby-boys" (Spencer).

Lester and Lester.
Saxophone solo, "Uentl."
Mr. Bert Biewas,
Orchestral, "Two Little Bluebirds" (Kara).
Revellers' Orchestra.
Bartone solo, "The Trumpeter" (Dix).
Mr. W. Costley.

Revellers' Orchestra.
Comedy. Selected.
Mr. Norm Cunningham.
Quartet, "The World is Waiting for the Sunrise."
The Revellers.
10 p.m.—Late news items, by courtesy of "The Daily News" Newspaper Coy.
Ships with a range announcement.
Weather Report and Forecast.
10.30 p.m.—Close down.
100 METRE TRANSMISSION.
Simultaneous Broadcast on 100 Metres of Musical Programme given on 1250 Metres, commencing at 8 p.m.

Thurs., Sept. 29
2FC, SYDNEY

6 a.m.—Final Gallops given by the JFC Racing Commissioner direct from Randwick.
6 a.m.—Close down.

EARLY MORNING SESSION, 7 to 8 a.m.

MORNING SESSION.

10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Studio music.
10.15 a.m.—"Sydney Morning Herald" news service.
10.30 a.m.—Studio music.
10.35 a.m.—A Racing Talk, by the JFC Commissioner.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben."
Marching music for school children.
11.5 a.m.—A.P.A. and Reuter's Cable Services.
11.55 a.m.—Studio music.
12.15 p.m.—A Reading.
11.30 a.m.—Close down.

MIDDAY AND AFTERNOON SESSIONS.

12 noon—"Big Ben" and announcements.
12.5 p.m.—Stock Exchange, first call.
1.3 p.m.—Official weather forecast, rainfall, temperatures.
1.55 p.m.—Studio music.
1.10 p.m.—Summary of "Sydney Morning Herald" news service.
Rugby wireless news.
12.25 p.m.—Studio music.
12.50 p.m.—Marching music for school children.
12.40 p.m.—Eileen Judkins, soprano: "My Treasure" (Trevilla).
12.15 p.m.—The Oak Hall Instrumental Trio.
12.45 p.m.—Studio music.
1 p.m.—"Big Ben." Weather Intelligence.
1.8 p.m.—"Evening News" midday news service.
Producers' Distributing Society's Report.
1.20 p.m.—The Oak Hall Instrumental Trio.
1.28 p.m.—Stock Exchange, second call.
1.40 p.m.—From the New South Wales Fire Brigade Headquarters, Castlereagh Street, Sydney (by kind permission of the Hon. T. J. Smith, M.L.C., Chairman of the Board): Selections by the N.S.W. Fire Brigade Band, under the conductorship of Mr. James Phoenix.
5.15 p.m.—Last minute Racing Information, by the JFC Commissioner (from the Studio).
5.30 p.m.—From the New South Wales Fire Brigade Headquarters:
A Description of the Display to be given by the Staff of the N.S.W. Fire Brigade, Headquarters.
Presentation of cheques to the Charitable Organizations.
Further selections, by the N.S.W. Fire Brigade Band.
8.5 p.m.—A Pianoforte Recital, by the pupils of Miss Myrtle Mozzy:
3. (a) "Allegro."
(b) "Scherzino" (from "Fauchingsschwank an Wien" (Schumann)).
Irene Bellemoy.

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For the benefit of clients who find it difficult to decide, we are willing to give a demonstration in their own home, and prove the all-round superiority of the Colmox. Just ring B2261, or call, and we will arrange a demonstration to suit you at any time without obligation to purchase.

- 2-Valve Set. Cash Price .. £16/10/-; dep. £2/10/-; Weekly 6/-
- 3-Valve Set. Cash Price .. £20/10/-; dep. £3/-/-; Weekly 7/6
- 4-Valve Set. Cash Price .. £27/-/-; dep. £4/5/-; Weekly 9/10
- 5-Valve Set. Cash Price .. £33/10/-; dep. £5/-/-; Weekly 12/3
- Super Five Model £49/10/-; dep. £10/-/-; Weekly 17/-

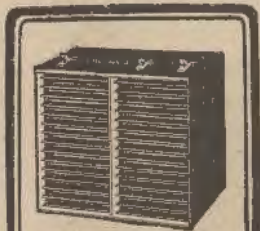
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90 Per Cent. | 90 Per Cent.

of Bad Reception is due to **BATTERY TROUBLES.**

of Battery Troubles is due to **FAULTY Charging or Neglect.**

The Colmox Battery Charger will charge both A and B batteries. Is charged while you sleep, and it is absolutely guaranteed. Colmox Charger A and B Model, cash price, £6/10/-.
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New Columbia Layerbilt "B" Battery

A radio "B" Battery of entirely new construction, made of flat layers of elements compressed one against the other so that every cubic inch inside the battery is completely filled with electricity producing materials. This means 30% more power than that of any other battery of the same size made of round cells. It means greater power, longer life and far greater economy than it is possible to obtain from any other battery.

Columbia Radio Batteries

—they last longer

Factory Representatives: 255
ELLIS & Co. (Aust.) Ltd.
204-5 Clarence St. Sydney N.S.W.

- 3.15 p.m.—3, "Intermezzo" (Brahms).
Jean Reud.
3.17 p.m.—3, "Gavotte" (Evers).
Lily Beesley.
3.21 p.m.—3, (a) "Novellette" (Schumann).
(b) "Bourcivalle" (Rubinstein).
(c) "The Pomp" (York Bowen).
Marjorie Allen.
3.30 p.m.—Marching music for school children
3.40 p.m.—Eileen Meehan, soprano:
"At Dawning" (Caldman).
3.45 p.m.—The N.S.W. Fire Brigade Band:
conductor, Mr. James Pheloung (from the
N.S.W. Fire Brigade Headquarters).
4 p.m.—Hilda Nelson, mezzo.
4.5 p.m.—Piano-forte solo, by pupils of Miss
Myrtle Meagy:
A "Valse Suite, No. 6" (Coleridge-Taylor).
Estle Cohen.
4.9 p.m.—Katherine Beverley, soprano:
"Snowflakes" (Mullinsong).
4.12 p.m.—6, (a) "St. Francis d'Assise: Pre-
dication aux oiseaux" (Liszt).
(b) "Sicilia" (Laurens).
(c) "Papillons" (Coleridge-Taylor).
Amy Mallett, (pupil of Miss Myrtle Meagy).
4.20 p.m.—Eileen Meehan, soprano:
"Big Lady Moon" (Coleridge-Taylor).
4.25 p.m.—The Oak Hall Instrumental Trio
(Leader, Mr. Horace Knuts).
4.30 p.m.—Ethel Muller, contralto:
"O Flower Divina" (Haydn Wood).
4.34 p.m.—The N.S.W. Fire Brigade Band,
conducted by Mr. James Pheloung (from
the N.S.W. Fire Brigade Headquarters).
4.40 p.m.—Hilda Nelson, mezzo.
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Katherine Beverley, soprano:
"The Joy Bird" (Barrae).
4.50 p.m.—The New South Wales Fire Brigade
Band.
4.55 p.m.—Ethel Muller, contralto:
"Thanks be to God" (Dickson).
4.58 p.m.—The N.S.W. Fire Brigade Band
(from the Fire Brigade Headquarters,
Castlemagh Street, Sydney).
5.6 p.m.—Close down.

EARLY EVENING SESSION.

- 5.40 p.m.—Programme announcements.
5.45 p.m.—The "Hello Man" talks to the chil-
dren.
5.55 p.m.—Story time for the young folk.
6.40 p.m.—Studio music.
6.50 p.m.—Late sporting news.
7 p.m.—"Big Ben."
Dilgely's market reports (wheat, wheat and
stock).
7.10 p.m.—Shipping news and weather intel-
ligence.
7.16 p.m.—Late "Evening News" midday news
service.

NIGHT SESSION.

- 7.50 p.m.—Programme announcements.
7.55 p.m.—Items from the Inter-State
Carnival in connection with the Spring
Fair (from the Royal Agricultural Society's
Ground).
7.57 p.m.—"Is it your Birthday?"
8 p.m.—"Big Ben."
The Lyceum Theatre Orchestra.
8.12 p.m.—Oliver King, basso:
(a) "Introduction."
(b) "Rio Grande."
(c) "Scherzando" (arr. R. B. Terry).
(d) "Billy Boy."
(e) "Fire Down Below."
(f) "Hallelaloo Balay."
8.30 p.m.—Band items from the Inter-State
Band Contest at the Royal Agricultural Society's
Ground, Sydney.
8.35 p.m.—Scott Alexander will present an
original Martin Meek desecration, specially
written for AFC by Codrington Hall, en-
titled

"THE VULGARITY OF SWANE."

- 8.40 p.m.—The Sydney Madrigal Society's
Choir (from Palma's Concert Hall).
9.10 p.m.—The Lyceum Theatre Orchestra.
8.25 p.m.—Mr. J. R. Kinghorne, A Talk on
the Importance of Bird Life.

- 8.55 p.m.—Oliver King, basso:
(a) "The Star" (Arne).
(b) "Gentlemen, the King" (Weston).
(c) "You along o' me" (Sanderson).
9.48 p.m.—Shirley Cooke, entertainer.
9.47 p.m.—Scott Alexander will produce an
original Radio Comedy, specially written
for broadcasting, by Codrington Hall, en-
titled
"HEX'S RECKONINGS WRECKED."
9.58 p.m.—The Westworth's Symphonic Dance
Orchestra, under the baton of Mr. Cyril
Kaye.
10.6 p.m.—Shirley Cooke, entertainer.
10.9 p.m.—The Westworth's Symphonic Dance
Orchestra.
10.18 p.m.—The Lyceum Theatre Orchestra.
10.25 p.m.—Shirley Cooke, entertainer.
10.30 p.m.—The Westworth's Symphonic Dance
Orchestra.
10.42 p.m.—Shirley Cooke, entertainer.
10.46 p.m.—The Westworth's Symphonic Dance
Orchestra.
10.57 p.m.—Late news and announcements.
11 p.m.—The Westworth's Symphonic Dance
Orchestra:
Popular numbers until 11.30 p.m.
11.30 p.m.—National Anthem.
Close down.

2BL, SYDNEY.

Thursday.

- EARLY MORNING SESSION.
7.0 a.m. to 5.9 a.m.
MORNING SESSION.
10.30 a.m.—G.P.O. Clock and Chimes; Musical
Programme from the Studio.
10.40 a.m.—News from the "Daily Telegraph
Victoria."
10.50 a.m.—Musical Programme from the
Studio.
11.0 a.m.—G.P.O. Clock and Chimes; An-
nouncements.
11.5 a.m.—Musical programme from the
Studio.
11.18 a.m.—Social Notes; Replies to Corre-
spondents by Mrs. Jordan. Talk on "Spend-
ing and Saving Labour," by Mrs. Jordan.
12.0 noon—G.P.O. Clock and Chimes; Special
Ocean Forecast and Weather Report.
12.3 p.m.—Brunswick Panstrophe Musical Re-
port.
12.16 p.m.—Information, Mails, Shipping and
Port Directory.
12.19 p.m.—Boats in Call by Wireless.
12.20 p.m.—Fruit Market Report.
12.22 p.m.—Vegetable Market Report.
12.24 p.m.—London Meat Market Report.
12.25 p.m.—Dairy and Farm Produce Market
Report.
12.30 p.m.—G.P.O. Clock and Chimes; Forage
Market Report.
12.35 p.m.—Fish Market Report.
12.44 p.m.—Rabbit Market Report.
12.36 p.m.—News from the "Sun."
12.45 p.m.—Hillers' Instrumental Quartette.
Director, Carl Castling.
1.30 p.m.—G.P.O. Clock and Chimes; Talk
to Children and Special Entertainment for
Children in Hospital.
2.0 p.m.—G.P.O. Clock and Chimes; Close
Down.
AFTERNOON SESSION.
Racing Information Broadcast immediately
after each Race by courtesy of the "Sun."
3.0 p.m.—G.P.O. Clock and Chimes; Musical
Programme from the Studio.
3.10 p.m.—News from the "Sun."
3.20 p.m.—Musical Programme from the
Studio.
3.30 p.m.—News from the "Sun."
3.40 p.m.—Dungowan Dance Band; broadcast
from the Dungowan Cabaret.
4.0 p.m.—G.P.O. Clock and Chimes; News
from the "Sun."
4.15 p.m.—Serial Story.
4.30 p.m.—Dungowan Dance Band.
4.40 p.m.—News from the "Sun."
4.55 p.m.—Resume of Night's Programme.
4.47 p.m.—Racing Resume.

4.55 p.m.—Special Ocean Forecast.
6.0 p.m.—G.P.O. Clock and Chimes: Close Down.

EARLY EVENING SESSION.

8.45 p.m.—G.P.O. Clock and Chimes; Children's Session.
9.0 p.m.—The Pupils of Miss Monica Scully will Entertain the Children.
9.54 p.m.—Musical Programme from the Studio.

SPECIAL COUNTRY SESSION.

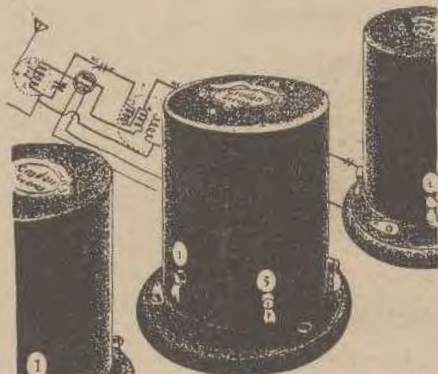
7.0 p.m.—G.P.O. Clock and Chimes; Australian Mercantile Land and Finance Co.'s Report; Weather Report and Forecast by courtesy of Government Meteorologist; Producers' Distributing Society's Fruit and Vegetable Market Report; Stock Exchange Reports; Grain and Fodder Report ("Sun"); Dairy Produce Report ("Sun"); Weekly Traffic Bulletin.
7.15 p.m.—Country News from the "Sun."
7.20 p.m.—Helpful Hints to Listeners, by Mr. Alan Burrows.
8 p.m.—G.P.O. clock and chimes. Broadcasters' Topical Chorus.
8.1 p.m.—The Marrickville Salvation Army Band under the direction of Mr. N. H. Knight, broadcast from Wemyss-street, Marrickville.
8.22 p.m.—Miss Veda Lawrence, soprano.
8.30 p.m.—By request of numerous listeners in a repeat performance of Mrs. Henry Wood's immortal drama, "East Lynne." ArchDaid Carlyle will be played by Mr. Frank Hatherley, and Lady Isabel by Miss Nellie Ferguson. Incidental music by Broadcasters' Trio under the direction of Mr. G. Vern Barnett.
10.15 p.m.—Cec. Morrison and his Gloom-chasers broadcast from the ballroom of the Bondi Casino.
10.18 p.m.—Resumé of following day's programme.
10.30 p.m.—Cec. Morrison and his Gloom-chasers broadcast from the ballroom of the Bondi Casino.
10.40 p.m.—"Sun" news service.
10.40 p.m.—Cec. Morrison and his Gloom-chasers broadcast from the ballroom of the Bondi Casino.
11 p.m.—G.P.O. clock and chimes. National Anthem.

3LO, MELBOURNE.

Thursday.

MIDDAY SESSION.

12.0 noon.—Time Signal; Metal Prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. Henter's and the Australian Press Association Cables; British Official Wireless News from Rugby; "Argus" News Service.
12.15 p.m.—Under the auspices of the Concert-goers and Community Singers' Association—COMMUNITY SINGING transmitted from the Assembly Hall, Collins Street, Melbourne.
1.45 p.m.—Stock Exchange Information; Weather Forecast for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; Silver Report; Rainfall for Victoria, Tasmania, South Australia, and New South Wales.
2.0 p.m.—Close Down.
2.15 p.m.—Description of Learmonth Hurdle, 2 miles, BALLARAT RACES, by "Musketeer" of "The Sporting Globe."
2.15 p.m.—Close Down.
2.45 p.m.—Description of Trial Handicap, 5½ furlongs, BALLARAT RACES, by "Musketeer" of "The Sporting Globe."
2.50 p.m.—Close Down.



"Grodan" Solodyne Circuit
A Shielded Coil Kit

The "Grodan" Shielded-coil Kit, comprising three sets of coils, each protected with an efficient screen of specially insulated aluminium. This special covering protects the coil windings, increases selectivity and decreases direct pick-up.

"Grodan" coil units are specially adapted to the famous "Solodyne" circuit, which works perfectly from an interior aeral.

Coils may be purchased separately, £1/2/6, or the complete kit of three, price £3/7/6

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To re-charge weak "A" batteries, or may be attached permanently to the battery, keeping it constantly at par. Charging rate is approximately 4 amperes. Price, £3/10/-

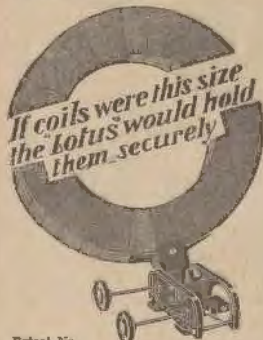
Philips "B" Battery Eliminator

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The vernier movement comprises three sets of enclosed precision machine-cut gears, and reduces the speed of the moving block by eight times. Side plates, coil blocks, and knobs in artistic bakelite mouldings. All metal parts heavily nickel plated. Made for left as well as right hand.



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With 6in. Control Handle, 18/6 each
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Street, Melbourne.

AFTERNOON SESSION.

EDUCATIONAL HOUR.

- 3.0 p.m.—REV. KENNETH HENDERSON:
"Topics of the Week."
3.15 p.m.—A Quartet of an Hour with Bee-
hoven, by the STUDIO QUARTETTE.
3.30 p.m.—MR. CHARLES NUTTALL:
"What is Art?"
3.45 p.m.—Description of the Forest Handicap,
7 1/2 miles, BALLARAT RACES, by "Mus-
ket" of "The Sporting Globe."
3.50 p.m.—STUDIO QUARTETTE:
Petit Suite Moderne; Parva 1 and 2 (Rossel).
4.0 p.m.—EILEEN CASTLES, Soprano:
Selections from her repertoire.
4.15 p.m.—TASMA TIERNAN, Cello:
"Hilston Song" (Kierzkow).
4.20 p.m.—Description of Wendouree Water,
7 furlongs, BALLARAT RACES, by "Mus-
ket" of "The Sporting Globe."
4.25 p.m.—STUDIO QUARTETTE:
"Ideal Boston Waltz" (Boswell).
Extracts, "Cliftonica" (Atherton).
4.35 p.m.—"Herald" News Service; Stock Ex-
change Information.
4.45 p.m.—EVANSONG, transmitted from ST.
PAUL'S CATHEDRAL.
5.30 p.m.—Results of BALLARAT RACES.
Acceptances for Saturday's Races.

EVENING SESSION.

CHILDREN'S HOUR.

- 5.35 p.m.—Answers to Letters and Birthday
Greetings, by "MARY GUMLEAF."
5.45 p.m.—STUDIO QUARTETTE:
"Wood Pines," (Boswell).
"Lives at Play" (Greenwald).
5.52 p.m.—MARY GUMLEAF: Story for the
Littlest Ones:
"The Dream Fairy."
6.07 p.m.—STUDIO QUARTETTE:
"A Life on the Ocean Wave" (Binding).
6.25 p.m.—MARY GUMLEAF: Story for the
Older Children:
"Life Aboard a Sailing Vessel."
6.36 p.m.—"Herald" News Service; Weather
Synopsis; Shipping Movements.
6.52 p.m.—Stock Exchange Information.
6.67 p.m.—River Reports.
6.59 p.m.—Fish Market Reports by J. R. Dor-
sett Ltd.; Rabbit Prices.
7.0 p.m.—Market Reports by the Victorian
Producers' Co-operative Co., Ltd.; Poultry,
Grain, Hay, Straw, Jute, Dairy Produce,
Potatoes and Onions.
7.5 p.m.—Market Reports of Fruit.

NIGHT SESSION.

- 7.15 p.m.—MR. A. W. JACKSON will speak
on "Football."
7.30 p.m.—Mr. H. Gollan will speak on "A
Tour from Melbourne to Adelaide and Victor
Harbour."
7.45 p.m.—MR. FRANK WEBSTER, who
takes the part of RENE (COMTE DES-
TRADES) in "MADAME POMPADOUR"
at His Majesty's Theatre, will speak to
you from his dressing room, by permission
of J. C. Williamson, Ltd.
8.0 p.m.—MR. ROD MCGREGOR will speak
on "Football."
8.15 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"Gonna Get a Girl" (Ash).
"I Wonder How I Look When I'm Asleep"
(Henderson).
"A Love In Spain" (Lewis).
8.25 p.m.—EILEEN CASTLES, Soprano:
Selected.
8.30 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"Shepherd of the Hills" (Nicoll).
"I've Never Seen a Straight Banana"
(Walter).
"Perhaps You'll Think of Me" (Stone).
8.39 p.m.—ANITA SHAWE, Comedienne:
"Lucy."
8.45 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"There Ain't No Maple in My Baby's
Face" (Kahn).
"Doll Face" (Plain Solo) (Brown).
"The Animal Pal" (La Fosse).
8.52 p.m.—SYD FAYNE, the Singing Comed-
ian:
"I Do Like an Egg."
8.57 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"I Can't Forget" (Corrick).
"Oh, What a Beautiful Whoozie."
"Paradise Alley" (Archer).
8.57 p.m.—MAGGIE FOSTER, Violin:
"In Happy Moments."
9.0 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"While the Years Go Drifting By" (Kahn).
"At Sundown" (Donaldson).
"Lullaby" (Dresbach).
9.21 p.m.—EILEEN CASTLES, Soprano:
Selected.
9.25 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"Dimal Demand" (Ellis).
"Forgotten" (O'Hagan).
"If You See Sally" (Kahn).
9.35 p.m.—ANITA SHAWE, Comedienne:
"Me Too."
9.39 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"I Am I Want is You" (Clare).
"Somewhere Somebody is Waiting for You"
(Alst).
"The More We Are Together" (Campbell).
9.48 p.m.—SYD FAYNE, the Singing Comed-
ian:
"Robinson Crusoe."
9.53 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"I'm Looking over a Four-Leaf Clover."
"Cover Me with Sunshine" (Dixon).
"Where Do You Wanna, John" (Marka).
10.3 p.m.—"Arma" News Service; British
Official Wireless News from Rugby; Sport-
ing Notes by Olympus.
THE ROYAL AUTOMOBILE CLUB OF
VICTORIA'S SAFETY MESSAGE FOR TO-
DAY IS FOR:
MOTORISTS: "Wear your goggles. You
can't see new ones if they break. Nobody
calls 'live eyes'."
10.15 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"The Big Black Horse" (McKe).
"Whistle Your Blues Away" (Meyer).
"Falling in Love With You" (Meyer).
10.25 p.m.—MAGGIE FOSTER, Violin:
"Deep River."
10.32 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"Moonshine Kiss Her for Me" (Dixon).
"Ain't She Sweet" (Yalton).
"Take in the Sun" (Woods).
10.42 p.m.—EILEEN CASTLES, Soprano:
Selected.
10.45 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"Bay, Nay, Nolehbor" (Cooley).
"Meadow Lark" (Flournoy).
"Gin" (Yesterday) (Lawrence).
10.56 p.m.—ANITA SHAWE, Comedienne:
"What Are We Wishing You?"
11.0 p.m.—MR. GREAT THOUGHT:
"I must do something to keep my
thoughts fresh and stirring. I dread
nothing so much as falling into a rut and
feeling myself becoming a fossil."
—James A. Garfield.
11.1 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS.
11.40 p.m.—GOD SAVE THE KING.

5CL, ADELAIDE.

Thursday.

MORNING SESSION.

12 noon to 3 p.m.

AFTERNOON SESSION.

- 3 p.m.—Chimes.
3.1 p.m.—Relay from the Maple Leaf Cate-
chetical section.
3.14 p.m.—Hunters' talk by Mrs. Murray
Coyhill from the Studio.
4 p.m.—Chimes.

- 4.1 p.m.—Relay from the Arcadia Cafe—Orchestral selections.
 4.25 p.m.—Station announcements, Messrs. S. C. Ward and Co's Stock Exchange Intelligence.
 6 p.m.—Chimes.

EVENING SESSION.

- 6 p.m.—Chimes.
 6.1 p.m.—Relay from the Covent Garden Restaurant—Dinner Music.
 6.30 p.m.—Bedtime Stories.
 7.25 p.m.—Messrs. S. C. Ward and Co's Stock Exchange Intelligence. Market Reports by Messrs. A. W. Sandford and Co., A. E. Hall and Co., Dalgety and Co., S. A. Farmers Co-operative Union, Taylor Bros., Retail Grocers Association, J. H. Young's special tomato market report, Interstate Fruit and Produce Market Company.
 7.55 p.m.—Talk on yachting.
 7.45 p.m.—Health talk by Mr. A. M. Whittenbury.
 8 p.m.—Chimes.
 8.1 p.m.—Special relay from the Parkside Institute.
 8.1 p.m.—From the Studio. Meteorological information.
 8.2 p.m.—Dalgety's wheat report.
 8.3 p.m.—Relay from the Parkside Institute.
 10.15 p.m. (Approx.)—"Advertiser" news service, Wireless Shipping, Windbar's sporting service.
 10.25 p.m.—Relay from Glenelg—The Maison Dance Band.
 11.15 p.m.—Tomorrow's programme, Station announcements, Meteorological information, National Anthem.

Friday, Sept. 30 2FC, SYDNEY.

EARLY MORNING SESSION. 7 to 8 a.m.

MORNING SESSION.

- 7.5 a.m.—"Big Ben" and announcements.
 10.5 a.m.—Studio music.
 10.15 a.m.—"Sydney Morning Herald" news service.
 10.30 a.m.—Studio music.
 10.35 a.m.—A Reading.
 10.45 a.m.—Studio music.
 11 a.m.—"Big Ben."
 Marching music for school children.
 11.5 a.m.—A. H. K. and Zeutec's Cable Services.
 11.10 a.m.—Studio music.
 11.15 a.m.—A talk on Home Cooking and Recipes, by Miss Ruth Furst.
 11.30 a.m.—Close down.

MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
 12.5 p.m.—Stock Exchange, first call.
 12.3 p.m.—Official weather forecast, rainfall.
 12.5 p.m.—Studio music.
 12.15 p.m.—Summary of "Sydney Morning Herald" news service.
 Rugby wireless news.
 12.35 p.m.—Studio music.
 12.50 p.m.—Marching music for school children.
 12.45 p.m.—Lorraine Jarman, soprano:
 "Slave Song" (Del Riego).
 12.45 p.m.—The Oak Hall Instrumental Trio.
 12.55 p.m.—Studio music.
 1 p.m.—"Big Ben." Weather intelligence.
 1.5 p.m.—"Evening News" midday news service.
 Producers' Distributing Society's Report.
 1.20 p.m.—The Oak Hall Instrumental Trio.
 1.35 p.m.—Stock Exchange, second call.
 1.30 p.m.—Marching music for school children.
 1.40 p.m.—Lorraine Jarman, soprano:
 "Serenade" (Gounod).

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The Famous

AIRZONE

Browning Drake Coil Kit

is in greater demand than ever. Its efficiency and value have become a pass-word in radio circles.

40/-



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is machine wound with silk-enamel wire on screw cut Dilecto tubing. The action of the rotor makes tuning a pleasure.

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CARBORUNDUM Detectors

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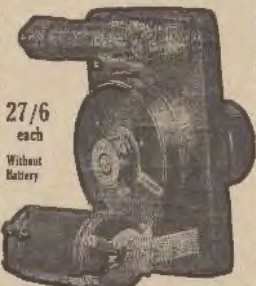
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AFTERNOON SESSION.

- 3 p.m.—"Big Ben" and announcements.
3.5 p.m.—Maysie Gibeman, soprano:
"Love, the Fugate" (German).
2.7 p.m.—Pose Brakell, contralto:
"Slow, Horses, Slow" (Mallinson).
3.10 p.m.—Studio music.
3.15 p.m.—A talk on Life-saving.
3.20 p.m.—Marching music for school children.
3.40 p.m.—Sybil Atholwood, mezzo:
"Cherie, I love you" (Goodman).
3.45 p.m.—The Oak Hall Instrumental Trio.
3.55 p.m.—Lois Freeman, contralto:
"Summer Rain" (Charles Willaby).
4 p.m.—William Bowyer, basso.
4.5 p.m.—The Oak Hall Instrumental Trio.
4.10 p.m.—Items from the Inter-State Band Carnival (from the R.A.S. Grounds).
4.12 p.m.—Maysie Gibeman, soprano:
"Bird of Love Divine" (Wood).
4.20 p.m.—Sybil Atholwood, mezzo:
"Just for To-day" (Harding).
4.25 p.m.—The Oak Hall Instrumental Trio.
4.35 p.m.—Pose Brakell, contralto:
"The Wild Rose" (Schubert).
4.40 p.m.—William Bowyer, basso.
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Lois Freeman, contralto:
"A Fairy went a-marching" (Goodhart).
4.50 p.m.—The Wentworth Symphonic Dance Orchestra, under the baton of Mr. Cyril Kaye.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

- 5.10 p.m.—"The children of 1870."
5.45 p.m.—The "Hello Man" talks to the children.
6.20 p.m.—Story time for the young folk.
6.40 p.m.—Studio music.
6.50 p.m.—Late sporting news.
7 p.m.—Dalgety's market reports (wool, wheat and stock).
7.10 p.m.—Shipping news and weather intelligence.
7.15 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.30 p.m.—Programme announcements.
7.35 p.m.—Items from the Inter-State Band Carnival in connection with the Spring Fair (from the R.A.S. Grounds).
7.57 p.m.—"Is it your Birthday?"
8 p.m.—"Big Ben."
Madame Vera Tasma, soprano:
"Bird of Love Divine" (Wood) (by request).
8.4 p.m.—Win and Windie, English entertainers:
"Trills, Trills and Frills" (Winn).
8.14 p.m.—Jack Dunne, baritone:
"Mountains o' Mourne" (Collison).
8.19 p.m.—Items from the Inter-State Band Carnival in connection with the Spring Fair (from the R.A.S. Grounds).
8.30 p.m.—A talk on the Commemoration of Iwivige, by Mr. Graham Kent.
8.42 p.m.—Madame Vera Tasma, soprano:
(a) "Golf's Garden" (Lembert) (by request) (Organ accompaniment).
(b) "Elucellino" (Puccini).
8.49 p.m.—Win and Windie, English entertainers:
"Mae Unnatural History" (Winn).
8.57 p.m.—Jack Dunne, baritone:
"Sing, Happy Birds" (Lidd).
9 p.m.—"Big Ben." Latest weather forecast.
9.1 p.m.—Kitty Elliott, soubrette:
"He Loves It" (Wending).
9.4 p.m.—Madame Vera Tasma, soprano:
"Ah, Love, but a Day" (Beach).
9.8 p.m.—A Theatrical Transmission.
10.20 p.m.—From the Studio:
"Kitty Elliott, soubrette:
"As All the Lasses" (German).
10.24 p.m.—The Wentworth Symphonic Dance Orchestra, under the baton of Mr. Cyril Kaye.
10.30 p.m.—Jack Dunne, baritone:
10.4 Letters from Mary O'Mourne" (Collison).
(b) "Night Nursery" (Arundale).
10.38 p.m.—The Wentworth Symphonic Dance Orchestra.

- 10.48 p.m.—Kitty Elliott, soubrette:
(a) "Twice one are two" (Western and Lee).
(b) "Her Beads are only Rainbows" (Meyer).
10.47 p.m.—Late news and announcements.
11 p.m.—"Big Ben."
The Wentworth Symphonic Dance Orchestra, under the baton of Mr. Cyril Kaye.
11.30 p.m.—National Anthem.
Close down.

3LO, MELBOURNE

Friday

MIDDAY SESSION.

- 12 noon.—Time signal. Metal prices received by The Australian Press Association from the London Stock Exchange this day. British official wireless news from Rugby, Scouter's and The Australian Press Association cables. "Argus" news service.
12.20 p.m.—STUDIO QUARTETTE:
"Petite Suite de Concert" (Culeridge Taylor).
12.35 p.m.—SYD FAYNE, the Singing Comedian:
"Boys from Aussie."
"Oh, La La."
12.42 p.m.—"Stock Exchange Information."
12.45 p.m.—STATION TRIO:
"Beau Brummel" (Young).
12.50 p.m.—MAGGIE FOSTER, violin:
"My Ain Folk."
"Minuet" (Padwe).
1 p.m.—"The bell strikes one—We take no note of time.
But from its less, To give it then a long is wise in man."—Young.
1.1 p.m.—ANITA SHAWE, Comedienne:
"Waiting for the moon."
"Nay, Nay, Neighbor."
1.8 p.m.—Meteorological information. Weather synopsis for Victoria, Tasmania, South Australia and New South Wales. Ocean forecast. River reports for Victoria, Tasmania, South Australia and New South Wales.
1.15 p.m.—STUDIO QUARTETTE:
"Nocturnal Piece and Minuet" (Schumann).
1.25 p.m.—SYD FAYNE, the Singing Comedian:
"Ain't it nice."
"Cool Black Rose."
1.32 p.m.—MAGGIE FOSTER, violin:
"Nocturne" (Chopin).
"Popular Chorus."
1.40 p.m.—ANITA SHAWE, Comedienne:
"If no one ever marries me."
"All Alone."
1.47 p.m.—STUDIO QUARTETTE:
"Fra Diavolo" (Auber).
2 p.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—STUDIO QUARTETTE:
"Valse Suite" (Brahms).
3.10 p.m.—MISS FRANCES FRASER:
"The Wagner Festival at Bayreuth."
3.25 p.m.—STUDIO QUARTETTE:
"Selection from Wagner's works."
3.40 p.m.—EILEEN CASTLES, Soprano:
Selected.
3.47 p.m.—MAGGIE FOSTER, violin:
"Faust" (Gounod-Sarasate).
"An Old Air."
3.54 p.m.—STUDIO QUARTETTE:
"Sweet Jasmine" (Bendin).
3.59 p.m.—SYD FAYNE, the Singing Comedian:
"Tipping Cider."
"Suite."
4 p.m.—MAGGIE FOSTER, violin:
"Minuet" (Bach).
"Cradle Song" (Schubert).
4.13 p.m.—EILEEN CASTLES, Soprano:
Selected.
4.30 p.m.—STUDIO QUARTETTE:
Entrée, "Mirene" (Thomas).
4.30 p.m.—MISS STEPHANIE TAYLOR:
"Romance and Legends of Flowers."
4.45 p.m.—"Herald" news service. "Block Exchange information."
6 p.m.—Close down.

EVENING SESSION.
CHILDREN'S HOUR.

- 5.30 p.m.—"BILLY BUNNY" sends Birthday Greetings and thanks all little scribblers for their letters.
- 6 p.m.—ELSIE BRADSHAW will sing some little songs.
- 6.15 p.m.—MR. T. BUTCHER will talk to Junior philatelists.
- 6.25 p.m.—ELSIE BRADSHAW will sing more little songs.
- 6.35 p.m.—BILLY BUNNY: "The Adventures of the Treasure Seekers."
- 6.40 p.m.—"Herald" news service. Weather synopsis, Shipping movements.
- 6.45 p.m.—Stock Exchange information.
- 6.52 p.m.—Fish Market reports by J. K. Borrett, Ltd. Rabbit prices.
- 6.55 p.m.—River reports.
- 6.58 p.m.—Newmarket Sheep sales by the Associated Stock and Station Agents, Bourke street, Melbourne. Market reports by the Victorian Producers' Co-operative Company, Ltd. Poultry, Grain, Hay, Straw, Jute, Dairy Produce, Potatoes and Onions.
- 7.15 p.m.—Market report of Fruit by the Victorian Fruitvenders' Association.

NIGHT SESSION.

- 7.15 p.m.—Under the auspices of the DEPARTMENT OF AGRICULTURE, MESS KNIGHT, Fruit Preserving Expert, will speak on: "Preservation of Berry Fruits."
- 7.30 p.m.—COLLINGWOOD CITIZENS' BAND: March, "Old Faithful." Fox Trot, "Indeed I Do."
- 7.40 p.m.—SYD FAYNE, the Singing Comedian: "Every Time He'd Kiss Her." "Up in the Air."
- 7.47 p.m.—COLLINGWOOD CITIZENS' BAND: Fantasia: "Tannhauser."
- 7.55 p.m.—MR. H. K. LOVE: A Five Valve Neutrodyne. Mr. Love will be glad to attend to your wireless difficulties, and we ask you to write to him for any advice that you may require.
- 8.3 p.m.—MAGGIE FOSTER, Violin: "Chanson" (Rudolf Friml). "In Happy Moments."
- 8.32 p.m.—COLLINGWOOD CITIZENS' BAND: Selection, "Songs of Wales."
- 8.32 p.m.—MR. C. J. WILLIAMS will comment on to-morrow night's Stadium Event.
- 8.32 p.m.—ANITA SHAWK, Comedienne: "Crown a Lullaby."
- "I Wonder Where My Baby is Tonight."
- 8.40 p.m.—COLLINGWOOD CITIZENS' BAND: Intermezzo, "Denise's Chle."
- 8.50 p.m.—EILEEN CASTLES, Soprano: Selected.
- 8.57 p.m.—MAGGIE FOSTER, Violin: "Serenade" (Drigo). "Deep River" (Elms).
- 9.4 p.m.—MELBOURNE CHORAL UNION: "Happy and Light" ("Bohemian Girl"). (Balle). "Star of a Summer Night."
- 9.11 p.m.—Announcements.
- 9.15 p.m.—VICTORIA'S AUTOMOBILE CLUB OF TODAY is for EVERYONE: "The man who will not listen to safety rules may have to listen to an ambulance gong." Road Notes.
- 9.15 p.m.—SYD FAYNE, the Singing Comedian: "Kiss Me Again." "O'Riley."
- 9.25 p.m.—CORNET SOLO: "Danny Boy."
- 9.25 p.m.—ANITA SHAWK, Comedienne: "I've Got a New Kind of Man." "She's Just What the Doctor Ordered."
- 9.40 p.m.—"CARDIGAN," Mr. H. A. Wolfe, Sporting Editor of "The Argus" and "Australasian," will speak on to-morrow's races.

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- 9.50 p.m.—COLLINGWOOD CITIZEN'S
BAND:
Waltz, "Forest Flowers."
10 p.m.—MELBOURNE CHORAL UNION:
"Twin Stars" (Phillips).
"London Town" (German).
10.7 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"The Cat" (Kahan).
"Sam, the Old Accordion Man."
"The More We are Together" (Campbell).
10.17 p.m.—EILEEN GARTLES, Soprano:
Soloist.
10.24 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"Sunday" (Miller).
"Let's All Hear Her!" (Roni).
"The Original Black Bottom" (Henderson).
10.34 p.m.—"Argus" news service, Meteorological information. British official wireless news from Rugby.
10.44 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS:
"I Didn't Know" (Swift).
"Buddenbrooks" (Bargy).
"Perhaps You'll Think of Me" (Stone).
11 p.m.—OUR GREAT THOUGHT:
"Taxes and institutions are constantly tending to gravitate. Like clocks, they must be occasionally cleaned and wound up and set to true time."—Henry Ward Beecher.
11.1 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS.
11.40 p.m.—GOD SAVE THE KING.

Saturday Oct. 1

2FC, SYDNEY.

EARLY MORNING SESSION, 7 to 9 a.m.

MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Studio music.
10.15 a.m.—"Sydney Morning Herald" news service.
10.30 a.m.—Studio music.
10.35 a.m.—A talk by the 2FC Racing Commissioner.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben" Studio music.
11.5 a.m.—A.P. and Reuter's Cable Service.
11.10 a.m.—Studio music.
11.25 a.m.—A talk on Gardening, by Mr. G. J. Luckley ("Redgem").
11.30 p.m.—Close down.

MIDDAY AND AFTERNOON SESSIONS.

- 12 noon—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange, first call.
12.3 p.m.—Studio music.
12.20 p.m.—"Sydney Morning Herald" news service.
Rugby wireless news.
12.35 p.m.—Studio music.
NOTE: A full description of the A.J.C. Spring Meeting at Randwick will be given by the 2FC Racing Commissioner.
1 p.m.—"Big Ben." Weather intelligence.
1.1 p.m.—"Evening News" midday news service.
1.20 p.m.—Studio music.
NOTE: During the afternoon during the intervals of racing events and recitals the following Musical items will be given:
Cliff Pier, novelty pianist.
"The Wentworth Symphonic Dance Orchestra, Conductor, Mr. Cyril Kay.
4.30 p.m.—A complete resume of the day's events.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

- 6.40 p.m.—Programme announcements.
6.45 p.m.—The "Hello Man" talks to the children.
6.50 p.m.—Story time for the young folk.
6.40 p.m.—Studio music.
7 p.m.—"Big Ben." Weather intelligence.

- 7.2 p.m.—"Evening News" late news service.
- 7.15 p.m.—A full description of to-day's Spring Meeting at Randwick, told by the special ZFC Racing Staff.
- 7.57 p.m.—"Is it your Birthday?"
- 8 p.m.—"Big Ben."
- The Bondi Beach Concert Band:
(a) March, "Pump and Pageant" (Anderson).
(b) "The Scottish Patrol" (Macbeth).
- 8.12 p.m.—A description of the Racing at the Speedway Royal (from the Royal Agricultural Showgrounds).
- 8.17 p.m.—The Bondi Beach Concert Band:
"Old English Folk Danes" (Geehl).
- 8.30 p.m.—Lawrence Macaulay, basso:
(a) "Time to go" (Shanty song) (Sander-son).
(b) "Angels Guard Thee" (Benjamin Godard).
- 8.38 p.m.—Description of the Racing at the Speedway Royal.
- 8.43 p.m.—Andrew Higginson and Enid Lavis, entertainers:
(a) "Floradora Sextette" (Stuart).
(b) "Stick Jaw" (Delmar).
- 8.50 p.m.—The Bondi Beach Concert Band:
Waltz, "September" (Gollin).
- 9 p.m.—"Big Ben." Latest weather forecast.
- 9.2 p.m.—Lea de Georgia, violin solo.
- 9.9 p.m.—Description of the Speedway Royal Racing events.
- 9.13 p.m.—The Bondi Beach Concert Band:
Selection, "Gay Love" (Lohar).
- 9.27 p.m.—Lawrence Macaulay, basso:
"Le Portrait" (Parkyn).
- 9.30 p.m.—Andrew Higginson and Enid Lavis, entertainers:
(a) "Matilda" (Wesling and Lee).
(b) "I love you truly" (Bond).
- 9.38 p.m.—Descriptions from the Speedway Royal.
- 9.43 p.m.—Harrison White, banjo solo.
- 9.46 p.m.—The Bondi Beach Concert Band:
March, "The President" (Gorman).
- 9.53 p.m.—Lawrence Macaulay, basso:
"In her old-fashioned way" (d'Hardebot).
- 9.56 p.m.—Results of the Speedway Royal events.
- 10.5 p.m.—Andrew Higginson and Enid Lavis, entertainers:
(a) "Patter-Iris" (Ireland).
(b) "Mulligan's Picture Show" (Weston and Lee).
(c) "Only a Rose" (Finfen).
- 10.13 p.m.—Harrison White, banjo solo.
- 10.19 p.m.—Lea de Georgia, violin solo.
- 10.25 p.m.—The Wentworth Symphonic Dance Orchestra.
- 10.27 p.m.—Andrew Higginson and Enid Lavis, entertainers.
- 10.43 p.m.—The Wentworth Symphonic Dance Orchestra. Conductor, Mr. Cyril Kaye.
- 10.57 p.m.—Late news and announcements.
- 11 p.m.—"Big Ben."
- The Wentworth Symphonic Dance Orchestra, with music from the Studio at intervals until 11.30 p.m.
- 11.45 p.m.—National Anthem.
Close down.

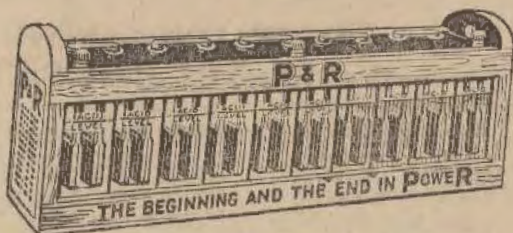
3LO, MELBOURNE.

Saturday.

MORNING SESSION.

- 11 a.m.—STUDIO QUARTET:
Symphonic Suite, "Egyptian Impressions"—Part 1 (Circ).
- 11.14 a.m.—ANITA SHAWE, Comedienne:
"I've Got the Bag."
"My Cutie's Due at Two to Two."
- 11.17 a.m.—MAGGIE FOSTER, violin:
"March Militaire" (Schobert).
"Gavotte" (Gossec).
- 11.25 a.m.—EYD PAYNE, the Singing Comedian:
"Kelly."
"Meet Me."

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- 11.32 a.m.—STUDIO QUARTET: Symphonic Suite, "Egyptian Impression"—Part 2 (Crax).
- 11.42 a.m.—DOROTHY ROXBURGH, viola: "Sonata in G" (Bach).
- 11.50 a.m.—STUDIO QUARTET: "Louis XII Gavotte."
- 12 noon.—Time signal. Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. British Official Wireless news from Rugby, Leicester and the Australian Press Association cables. Austral news service.
- 12.20 p.m.—STUDIO QUARTET: "Ural Song" (Moses Gokani), "By the Lake of Geneva" (Hendel).
- 12.30 p.m.—SYD FAYNE, the Singing Comedian: "Four and Nine," "By Jingo."
- 12.37 p.m.—Stock Exchange information.
- 12.40 p.m.—STATION TRIO: "La Belle Valencienn" (Kaempfer).
- 12.45 p.m.—TAMBA SHAWA, Condiemne: "One For Sorrow," "O' the Bear."
- 12.55 p.m.—STUDIO QUARTET: "The Blue Mediterranean" (Volpatti).
- 1 p.m.—OLD TIME, the clock setter, that bald sexton Time, says "One O'Clock, my Friends," "Releem the misspent time that's past, And live this day as 'twere the last."
- 1.1 p.m.—Description of October Hurdle V.R.C. FLEMINGTON, by "Musket," of the Sporting Globe.
- 1.5 p.m.—EILEEN CASTLES, Soprano: "Selected."
- 1.12 p.m.—Meteorological information. Shipping intelligence. Weather forecast for Victoria, Tasmania, South Australia and New South Wales. Ocean forecast. River reports. Rainfall for Victoria, Tasmania, South Australia and New South Wales.
- 1.15 p.m.—STUDIO QUARTET: "Lullaby Time Waltz."
- 1.24 p.m.—MAGGIE FOSTER, violin: "Rhapsy" (Waisny Turner), "Doppler Chorus."
- 1.36 p.m.—EILEEN CASTLES, Soprano: "Selected."
- 1.40 p.m.—Description of Marlborough Trial Stakes, 4 miles, V.R.C. FLEMINGTON, by "Musket," of the Sporting Globe.
- 1.45 p.m.—EILEEN CASTLES, Soprano: "Selected," Cello.
- 1.48 p.m.—TASMA TIERNAN, "Ode Wings of Song" (Mendelssohn), "Gavotte" (Gosse).
- 1.54 p.m.—STUDIO QUARTET: "Wee Bie of Heaven" (Shibret).
- 2 p.m.—Close down.
- 2.20 p.m.—Description of Stand Handicap, 1 1/4 miles, V.R.C. FLEMINGTON, by "Musket," of the Sporting Globe.
- 2.35 p.m.—Description of LEAGUE FOOTBALL—FINAL MATCH at M.C.G. by Mr. Rod McGregor.
- 2.45 p.m.—Close down.
- AFTERNOON SESSION.
- 2 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS:
- 2.10 p.m.—Description of Trial Stakes, 4 1/2 furlongs, V.R.C. FLEMINGTON, by "Musket," of the Sporting Globe.
- 2.15 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS:
- 2.20 p.m.—Description of LEAGUE FOOTBALL—FINAL MATCH at M.C.G. by Mr. Rod McGregor. Quarter time.
- 2.40 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS:
- 2.45 p.m.—Description of October Steeple, 2 miles 1/2 furlongs, V.R.C. FLEMINGTON, by "Musket," of the Sporting Globe.
- 2.50 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS:
- 4 p.m.—Description of LEAGUE FOOTBALL FINAL MATCH at M.C.G. by Mr. Rod McGregor. Half-time.
- 4.10 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS:
- 4.25 p.m.—Description of October Stakes, 1 mile, V.R.C. FLEMINGTON, by "Musket," of the Sporting Globe.

- 4.30 p.m.—Description of LEAGUE FOOT-BALL FINAL MATCH at M.C.G., by Mr. Rod McGregor.
 4.40 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 4.45 p.m.—"Herald" news service. Stock Exchange information.
 5 p.m.—Description of Paddock Highweight, six furlongs, V.R.C., Flemington, by "Musketeer," of the "Sporting Globe."
 5.5 p.m.—Description of LEAGUE FOOT-BALL FINAL MATCH at M.C.G., by Mr. Rod McGregor.
 6.15 p.m.—Close down.

EVENING SESSION.

CHILDREN'S HOUR

- 5.50 p.m.—Sporting results.
 5.40 p.m.—Answers to letters and birthday greetings, by "LITTLE MISS KOOKABURRA."
 6.10 p.m.—ELSIE BRADSHAW:
 Songs for the Children.
 6.15 p.m.—LITTLE MISS KOOKABURRA:
 Stories for the Children.
 6.22 p.m.—ELSIE BRADSHAW:
 More songs for the Children.
 6.40 p.m.—"Herald" news service. Weather reports. Shipping movements.
 6.42 p.m.—Stock Exchange information.
 6.47 p.m.—Flesh market reports by J. R. Borrett, Ltd. Hairs prices.
 6.52 p.m.—River reports.
 6.53 p.m.—Newmarket sheep sales by Associated Stock and Station Agents, Bourke-street, Melbourne. Market reports by the Victorian Producers' Co-operative Co., Ltd. Poultry, grain, hay, straw, juice, dairy produce, potatoes and onions.
 7.10 p.m.—Market reports of fruit by the Victorian Fruitgrowers' Association.

NIGHT SESSION.

- 7.15 p.m.—MR. C. ELLIS:
 "Sodden and Red."
 7.24 p.m.—MR. E. E. PESCOTT:
 "Eucalyptus Oil and other products."
 7.45 p.m.—MR. R. RAWSON:
 "Esperanto."
 8 p.m.—STUDIO QUARTET:
 Selection, "Bohemian Girl" (Balfe).
 8.10 p.m.—BERYL HAWKER, soprano:
 "Sing, Sweet Bird" (Gang).
 "Annie Laurie" (Liza Lehman).
 8.17 p.m.—REGINALD BRADLEY, violin:
 Concerto, "Andante from Mendelssohn."
 "Bolero" (Cecil Burtleigh).
 8.27 p.m.—STUDIO QUARTET:
 Suite, "Don Quixote."
 8.37 p.m.—A special programme has been arranged.
 8.45 p.m.—STUDIO QUARTET:
 "Thousand and One Nights" (Strauss).
 "Morning Journals" (Strauss).
 9.35 p.m.—BERYL HAWKER, soprano:
 "Elegie," with violin obligato by Bertha Jorgenson (Massenet).
 "Vilanello" (Del Aquas).
 10.32 p.m.—STATION STUDIO:
 Selection, "Kalinka" (Friml).
 10.42 p.m.—Late sporting results.
 11 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY is for
 MOTORISTS—"Never take a chance. Remember a car can be built in 30 days. It takes 21 years to make a man."
 OUR GREAT THOUGHT:
 "Out in the depths of the soul's struggles the jewels of knowledge and virtue are mined."
 Horne's Philosophy of Education.
 11.1 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 11.40 p.m.—GOD SAVE THE KING.

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Price, with 5 G. & B. Valves.....£30

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RECEIVER

All Readers' Queries Answered Here.

QUERIES

Will readers kindly note that all technical queries are answered through the columns of Wireless Weekly. There is no occasion to send either stamps or addressed envelopes. The only condition is that the number of questions be limited to four. We unfortunately cannot deal with technical queries by telephone or by personal callers.

E.L. (LOWER SOUTHGATE): I am afraid I can't do this. Test them out yourself and let me know the results.

K.B. (LONGREACH): You have not told me the brand of kit used. In the meantime reduce the plate voltage on the detector valve.

L.G. (ROCKHAMPTON): Your suggestion is quite in order. Try it out.

A.W. (BELLARIA): Your valves want re-jetting. Send them to your dealer asking him to re-jet them.

C.V.R. (MARTIN'S CREEK): Build the Neutrodyne described, September issue of "Radio." An Amplion speaker.

C.R.S. (SYDNEY): The parts you mention may be substituted.

A.R.A. (HOMEBUSH): Mr. A. Parkinson, "F.O.M." Currah-street, Melbourne.

J.V.M. (CLOVELLY): Unfortunately the original set has now been stripped. But I will advise you at a later date of the owners of one or two.

P.O.L. (BACCHUS MARSH): This information is difficult to obtain, as each valve manufacturer builds his valves to different dimensions. Dynamatic Book Arcade, of Queen-street, will supply you with a treatise on valves and their characteristics, written by that eminent authority, John Scott-Traut. Ask them also regarding publication on the photo-electric cell I don't know of any publication with this information.

E.M.C.K. (WINTON, Q.): Yes, four Carbanels will be satisfactory; in fact, ideal for your purpose. The double impedance amplifier does not require separate batteries. You could charge your four volt accumulator from the car, but I am afraid there would be too much nuisance making necessary alterations, which would hardly be worth the trouble. You could either allow the present audio stage to remain or it may be dispensed with.

F.G.W. (WARWICK, Q.): The tone control is connected across the secondary of either transformer. The valve you mention is quite alright, I cannot specify any particular brand of speaker, but remember that you must pay well for a good article.

R.B.S. (MOEMAN): Have your aerial running right angles to the overhead tramway wires, and install a counterpoise instead of an earth. The counterpoise should be about the same length as your aerial, approximately 10 feet above the ground.

H.D.D. (STRATHFIELD): The valve you mention would be suitable for the detector and the two audio stages. The other valves are specified in the article. See "W.W.", 27/5/27, for connections of a periodic aerial coil. The primary should be in 10 to 25 turns.

S.D.M. (LEPTON): You can substitute Solovox coils for Neutrodyne's if desired. You haven't told me the make of condenser so I can't name the second question.

I.E.N. (CHIPPENDALE): See "Radio" of August, 1927.

A.R.S. (BEXLEY): I would advise you to experiment a bit with your coils.

L.E.H. (ROCKDALE): If you think the kit you mentioned is as good as the kit specified, then use it by all means. The rheostat may be substituted. You will be well advised to use 425 valves for radio frequency stages.

A.A.K. (CREMORNE): The transformers you mention are splendid for the purpose.
A.V.B. (No Address): Something is very seriously wrong, and it is hard for me to diagnose without seeing the set. Why not call in a more experienced friend?

G.S. (JUGIONG): See "W.W.", 1/7/27.

A.S.L. (KODARAH): See "W.W.", 24/6/27.

E.G. (PADDINGTON): See "W.W.", 23/5/27.

J.F. (MALLANGETT): Many thanks for sending the paper along, and also for your suggestions. Write Colville Moore Wireless Supplies.

D.S. (BELLAMBI): This will be republished as an early lead.

A.J.J. (GRIFFITH): I am afraid I can't help you in this matter. Write to David Jones, Ltd.

R.L.A. (WARREN): Your trouble lies in the use of too much "E" battery.

W.B.A. (MITTAGONG): These stations you heard were trawlers.

T.S. (LITHGOW): The B406 valves are quite suitable for the audio stages. Use A435 for the radio stages.

N.E.H. (WICKHAM): I am afraid you will have to make use of new carbons.

R.E.T. (MOGILL): Your aerial is quite alright. The price asked for the receiver offered seems to me a bit excessive. Why not obtain a Neutrodyne or a Solodyne? The valves you mention will be quite satisfactory.

K.M. (LISMORE): The UX202A valve is alright and it requires a 6 volt accumulator. A radio wire aerial of 100 feet length over all will be quite O.K. Write any advertiser in "W.W." for the bill flex.

V.A.B. (KIN KIN): There is something more than the lack of neutralising with your receiver if it only gives about 3 valve strength. Test all components for continuity, noting that there are no short circuits anywhere. Check over your wiring carefully, and see that you adhered to the correct spooling as suggested.

AMPLION (LONG BAY): I can't express this preference. There are advantages and disadvantages with every receiver, but to go into them at great length is considerable work.

W.J.C. (CORFIELD, Q.): I am afraid I can't tell you the station you heard. I am glad the Solodyne is doing well. Twenty-five stations in the first night is good going. We will publish those who have letters very shortly.
E.P. (BRISBANE): You are not using sufficient "B" battery on your receiver.

M.B. (PIVEOCK): Use the condensers you have, but increase the grid coil to 50 turns.

H.C. (ROXBURY): I can't discuss trawlers.
A.W. (No Address): The Extraordinary valve well-built super heterodyne will give you salvation.

A.L. (BRIGHTON-LE-SANDS): This will be dealt with in article form very shortly.

C.W.G. (AUBURN, VIC.): The Extraordinary Valve receiver is an improved Marinkay. Build it.

P.C. (GRANVILLE): The Midget condenser of the Harwood's 3-valve reflex is for neutralising purposes. Balance up your "B" battery, and you will then find the advantage of neutralising.

B.L.G. (No Address): With the transformer mentioned it does not matter how they are placed, but remember the golden rule of electronics: place them at right angles to one another.

J.B. (KYNUNA, Q.): It seems to me that you haven't sufficient "B" battery. Test out the voltage.

C.W.G. (ARTBARROW): Both sets are very good, and it is impossible to say one is better than the other.

A.J. (CREMORNE): Build Harwood's Reflex two valve receiver published in "W.W.", September 16th, 1927.

A.N. (HUNTER'S HILL): Thanks for your report; it is pleasing. That noise can be overcome by using a Bradloyal and also a Bradleyset.

C.P. (BEIGOWRA): Pay particular attention to the amount of coil you use for reaction. It appears to me that you are using too many turns.

J.C.C. (EDENHOF, VIC.): It is not absolutely necessary to insulate the moving plates of a second and third condensers in the Solodyne. The filament leads of all three cans may be taken to the negative. If this is done connect your grid lead straight from the grid of the valve to the A positive lead. See September issue of "Radio," where this system has been adopted with a Neutrodyne. This will overcome hand capacity.

C.P. (COVRA): The battery power depends on the valve used. Read the instructions enclosed in the valve packet.

F.M. (NORTH SYDNEY): I am indeed glad to hear of your results, and take this opportunity of congratulating you on your initiative. I wish everyone would do likewise.
E.A.G. (CROBYDON): This article was published in "W.W.", November 6th, 1926, and a similar article is appearing shortly.

S.H. (LITHGOW): Pay particular attention to your reaction coil. Perhaps the noise you hear may be local interference.

MARCO (GLADESVILLE): Radio frequency amplification is employed to increase the volume of the incoming oscillation before it is detected and audio frequency amplification increases the volume of signal strength after detection. In many recent articles in "Wireless Weekly" these subjects have been discussed in detail, and I respectfully suggest that you turn up your back numbers with a view to learning more about the subject. I do not recommend you to use more than two stages of transformer coupled audio frequency amplification. The first stage may be satisfied with a 5 to 1 ratio audio transformer, while the second stage may be from 2 to 8½ to 1 ratio. Station HGF does transmit on Sunday evenings. Address all letters to Mr. G. J. Brooker, 5 Richmond Terrace, Richmond, Vic. My issue of "Radio" has been completely sold out.

G.B. (CAMERDOWN): This subject will be dealt with at length in "W.W." very shortly.

W.H. (VAUGHAN): To receive inter-stations continuously it is always advisable to have a receiver which has one or two stages of radio frequency amplification. The three coil circuit you endorse is quite in order, but I would not like to guarantee inter-station results with it. Either a Neutrodyne or a Solodyne would be advantageous. Almost every accumulator of which the plates are housed in a celluloid container will frost and bubble during the period of charging. You would be well advised to consult the makers or the agents for your accumulators seeking their advice on the subject.

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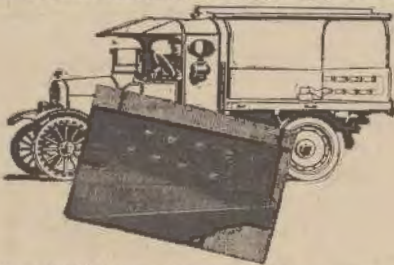
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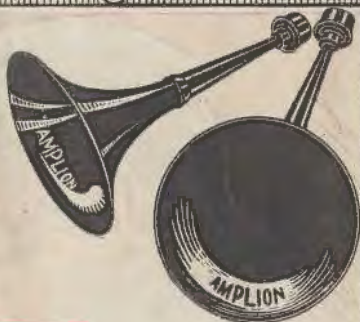
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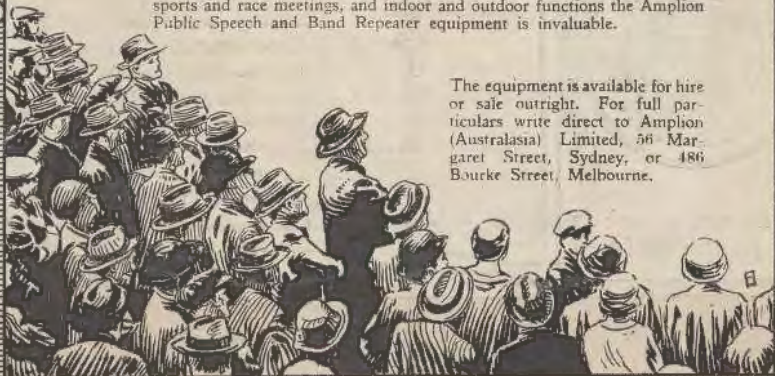
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