

WIRELESS WEEKLY

Broadcast Programmes a Week in Advance

VOLUME 10

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Friday, October 7, 1927.

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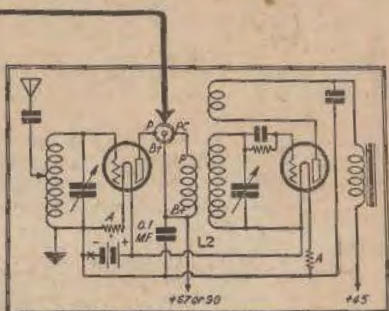
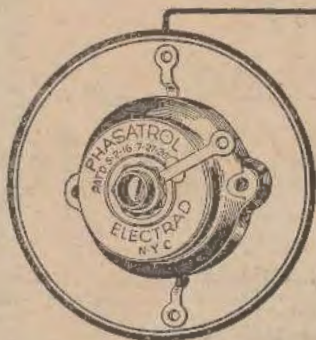
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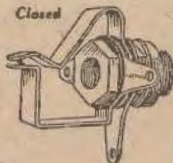
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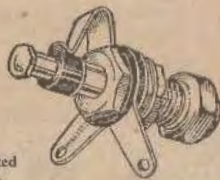
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WIRELESS WEEKLY

VOL. 10, No. 24.

FRIDAY, 7th OCTOBER, 1927.

New Methods in News Dissemination

A RECENT article by a well-known Australian writer dealt with the development of the methods of interviewing prominent people. As the writer very interestingly said, the newspapers now have no monopoly of the art of securing the publication of the opinions or criticism of a visitor. Radio demands its part; and enterprising broadcasting entrepreneurs not only endeavor to broadcast the visitors' opinions as expressed to the broadcaster's interviewer, but also try, and usually with success, to bring the visitor to the microphone so that he can speak directly to his large, if invisible, audience.

In its endeavors to supply to listeners a service of every variety so as to cater for the diversified desires of its patrons, the broadcasting organisation includes a proportion of news items. The extent and variety of the items are doubtless dependent on the opportunities available for obtaining the news, but we must admit that there is a growing desire for more news items. And if that desire develops into a demand by the listeners—the subscribers to the service—then it is reasonable to expect that the broadcasters will provide the service.

Providing an increased news service for broadcasting does not mean, as some people appear to think, that people will buy less newspapers. On the contrary, the writer thinks that the movement will actually help the newspapers. The two services conducted by press proprietors and broadcasters are complementary in that regard.

People will always want to read the news, and especially the matter in the press that is not broadcasted. As press proprietors have the requisite organisation, maintained at considerable expense, for gathering and

distributing news for publication in the newspapers, broadcasters will not enter into that field. It will pay them better to conduct their services on the present lines, whereby arrangements are made with the press organisation to supply the broadcasting stations with such news items as are required. These items are necessarily brief, and listeners will find it desirable to refer to the newspaper for the details that complete the story.

The broadcasting station thus will act as an advertising medium for the newspaper rather than a competitor.

The modern newspaper is not in any danger of being supplanted by radio. The press has been developed in step with modern ideas and any useful adjunct to the presentation of news or view has been employed, and apparently will continue to be utilised as time goes on. Witness the pictorial presentation of news. With very few exceptions all up to date newspapers have their pictorial sections; news in pictures is no longer a novelty.

A further striking development that will influence the routine of a newspaper is the new "Facsimile" transmission of radio telegraphy. Instead of the telegraphist sending a long press message in the usual way—letter by letter—a whole page can be photographed, and a facsimile of the original message received at the other end ready for attention by pressman. Considerable delay will thus be avoided, and the risk of error also eliminated. This system of transmission, however, is not yet at a stage of development sufficient to justify commercial consideration.

Catching Up with the Wireless World.

By R. E. CORDER.



WITH A HOPE to collect valuable information regarding reception conditions in the Arctic, the Hon. Mrs. Victor Bruce proposes to go as far into Lapland as it is possible to drive a car, taking with her a wireless set. Only recently she returned from a 9,000 mile motor tour in Europe and Africa.

THE REASON why the Eskimos of Northern Canada are leaving home at night has been discovered. Hitherto a home-loving tribe, they are breaking away from their old custom of huddling in their igloos at night. Instead they are congregating at the Government posts, in order to hear concert broadcasts from Northern American stations.

UNDER the impression that SLO, Melbourne, sought a new title for its announcers, an English correspondent of SLO has written to the studio suggesting "radiographer" as a name for those persons who described events as they were happening. "Graphic, according to the dictionary, pertains to the art of writing or delineating and can mean describing with accuracy." It may be argued by sticklers for thorough correctness that it is more to do with writing than in talking, but then it is not the first time that radio has stepped on the toes of exactitude to create a language of its own.

NEARLY every day in the week visitors from distant parts call at SLO, Melbourne, to see where the "big noise" comes from, and to express appreciation of the broadcast services from that station. During the past week grateful listeners from Queensland, Northern Territory, Central North-west Australia, Perth, New Guinea, Manila and New Zealand have called, but perhaps the most interesting visitor was Mr. N. H. Adams, of Ocean Island, which is 2500 miles from Melbourne. Mr. Adams said that although other Australian and American stations are received there fairly well, SLO, Melbourne, is the most popular.

MR. R. NICHOLS, M.L.A., of Derlain, Tasmania, during a recent communication with the minister of the Flinders Street Baptist Church (Adelaide), mentioned that a friend writing from Alaska reported that SCL was heard regularly there. Particular mention was made of a recent transmission from the Black Forest Baptist Church.

THAT BY the end of the financial year 40,000 wireless licenses will have been issued in the Irish Free State, is the assumption of the local Department of Posts and Telegraphs. The number now is about 30,000, and the anticipated total is stated to be an advance of 20,000 on last year's figures.

EXPERIENCED PUBLIC speakers are not usually nervous when facing an audience, but there was a marked nervousness about some of the clergy who spoke at the opening of the Lewisham Hospital Chapel last Sunday. Eight bishops were present, seven of whom appeared quite timid, the reason being that as each rose to speak he found himself confronted not only by a warm-hearted audience, but a cold broadcasting microphone.

ARCHBISHOP REDWOOD looked twice at the microphone and then stepped to one side as if afraid of the little instrument, and the Apostolic delegate, Dr. Cattaneo, took a couple of looks at the "Mike" and remarked with a smile, "I never felt so nervous in my life. Why they might hear me in Rome. I might use words that will find critics in London." There were no qualms, however, about Archbishop Kelly; he has been broadcast on many occasions. Dr. Kelly's voice is one of the best for broadcasting among all churchmen, apparently possessing some peculiar timbre that blends with the requirements of the instrument. Another who faced the microphone with no sign of trepidation was Father M. J. O'Reilly.

THE PAPAL DELEGATE need not worry about being heard in Rome on this occasion. Station ZBL, which was doing the broadcasting, has certainly been heard as far away as Rome, but under more favorable conditions. In passing, it is of interest to note that the Pope has radio installed at the Vatican and operates the set himself. St. Peter's Cathedral at Rome is now equipped with amplifying apparatus so that the words of the officiating clergy at the altar can be heard clearly throughout the great building.

"WIRELESS WHIMPERS"

by "WHISKER"

"Between Air and Ice."

When from SLO comes some suggestion,

And it sets all your brain in a whirl,

And you look round for someone to question,

You will pick on the telephone girl.

If you've some weighty matter to ponder,

Or perhaps have an insult to hurl,

You could never approach Major Cander,

But you can get the telephone girl.

If you want to know who won the Steeple,

If some singer is plain or a pearl,

Well, you just couldn't ask lots of people,

But you could try the telephone girl.

If he calls you ten-pounder "Ten-singer,"

Or at least calls a quartet an quart,

Then you can't answer back the announcer,

But you can tell the telephone girl.

We can learn very little about her,

And her hair may be straight or may curl,

But we never could manage without her,

You can talk to the telephone girl.

How to make a Simple and Efficient Loop Aerial

Patience and Time are Principal Investment.

By J. E. Roberts.

VERY frequently, the radio "fan," particularly those who build their own, also the man who is figuring on a set that he can take with him on his vacation, has need of a loop for his pickup—the matter of aerial and ground not being always the easiest thing to arrange for on a summer vacation. Supposing, of course, that the receiver in question is adapted for loop reception, or can be so adapted, at least for the vacation period, here are the details and specifications of a small and compact loop that can be built at very little—or possibly no cost, except the time—and no loss if it is damaged or destroyed again in this shape of the "X" with a little glue in the joint to make it tight. Using the centre of the "X" as a pattern the part No. 3 was made out of a scrap of 18-gauge brass—but it could be made of bakelite as well. The actual dimensions of this are immaterial—but the lower section should be about two inches from the centre hole to the bottom line, to afford a good support.

Put piece No. 2 in place, as shown in sketch of completed loop, with a little glue on the bevelled end, where it fits into the lower angle of the "X"—then fit the brace (No. 3) over the centre, fastening it down with five of the $\frac{3}{8}$ inch wood screws by accident. Meanwhile, it will do almost as well as the large, standard loops, and will often help out the b. e. l. in places where there are no facilities for big loops or aerials.

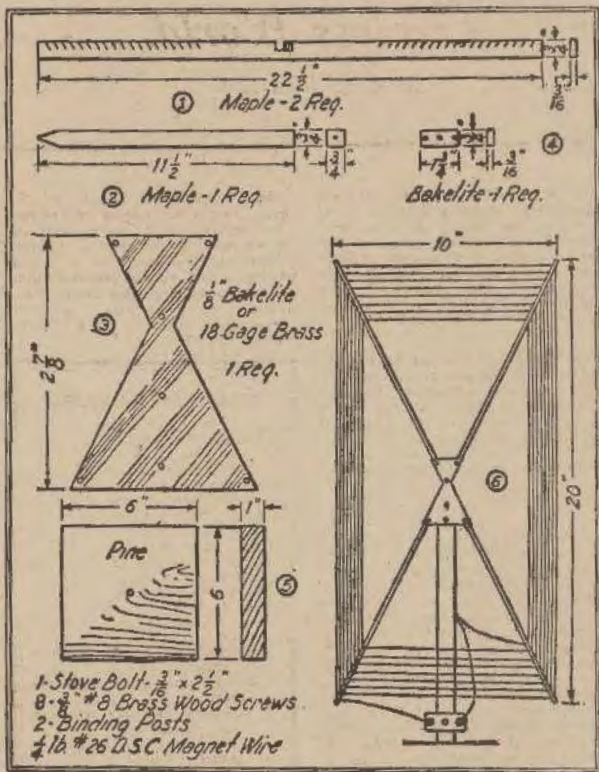
The little loop is of dimensions of 10 inches wide, 23 inches high and three-quarters of an inch thick—and weighs about half a pound, exclusive of the base, which will add another half pound or more according to the wood of which it may be made.

How One Loop Was Made.

The one the writer is using, for the "pick-up" of a five-tube set (not a "super") was made as follows:

A piece of maple, 2-16 inch thick and 24 inches long, was found and sawed to make two strips, each $\frac{3}{8}$ inch wide and 22 $\frac{1}{2}$ inches long—planed and sandedpaper to a smooth finish.

The centre of these two pieces were marked (11 $\frac{1}{2}$ inches) and they were laid out on the table in the form of a letter "X," with the crossing at the centre marks, and so



spaced that the upper and lower ends of the "X" were ten inches apart, and the strips were marked for the notching and the notches cut at an angle that would hold these dimensions in the finished frame. The sticks were then notched and fitted, as tightly as possible—but not fastened—yet. Piece No. 2 was then made out of a piece of $\frac{3}{8}$ inch pine, squared up, cut to 11 $\frac{1}{2}$ inches, and bevelled off on one end to fit in the lower angle of the "X"—the other end was bored with a 3-18 inch drill to the depth of one and one-half inches.

The two pieces (No. 1) were then marked off on their edges (on which over edge was selected to be the "face" of the loop) with nineteen

pencil marks, approximately $\frac{1}{4}$ inch apart, beginning about 1 inch from the outer ends, and continuing until nineteen marks were made in each leg of the "X."

The two pieces were then clamped together in a vice and cuts made with a hacksaw blade—inclining each cut toward the centre of the strip, until nineteen cuts have been made, about $\frac{1}{4}$ inch deep—as indicated in No. 1 sketch.

The two pieces are then assembled into the "X" and two more of the same screws into the standard (No. 2). Be sure that piece No. 2 is centred between the lower arms of the "X" so the loop will be upright and even.

Make piece No. 4 out of a little piece of bakelite or hard rubber—fasten it by the centre hole to piece No. 2, just below the line where the wiring will cross No. 2 on the lower half of the "X" and mount, in the outer holes, which will be beyond the sides of the standard (No. 2) a pair of binding posts—any kind that may be at hand.

Now lay the completed frame on the table with the notched edges up, and the standard (No. 2) toward you—take your spool of No. 26 double covered silk wire, and after scraping one end make it fast under the left-hand binding post—for the start. Carry the wire to the left lower branch of the "X" and force it down tight in the saw-cut nearest the end—then to the left-hand upper branch—across to the right-hand upper branch, down to the lower right-hand branch—then across to the start, and over to the second slot in the left-hand lower end—continuing till you have nineteen turns—winding up in the inside saw-cut in the right-hand lower branch—then across to the standard, and down to the right-hand binding post—where make the end fast—and that job is done.

How to Wind the Loop.

In putting on the wire, keep it as tight as possible without springing the arms of the "X" out of position—after two or three turns have been completed these will hold the arms from springing, and the wire can be pulled tight down into the saw-cuts. The wiring would be smooth, and straight—a little less than $\frac{1}{4}$ inch apart on the sides and a little more than $\frac{1}{2}$ inch apart on top and bottom of the frame.

Piece No. 5—the base—can be made from $\frac{1}{2}$ inch thick pine cut 6 inches square—or if a round piece of wood about 6 inches in diameter is at hand it will make it still better looking. Mark the centre, bore for the $3\text{--}16 \times 2\frac{1}{2}$ inches stove bolt—put that through from the under side, the nut on the top, and hold it in tight, pulling the head in far enough to allow it to come flush with the under surface. The $\frac{1}{4}$ inch projection of the bolt will fit into the $3\text{--}16$ inch hole bored in piece No. 2 snugly—to keep the loop from "wobbling."

With a couple of flexible wire connections from the binding posts on the loop standard to the set, that's all there is to it, unless it is desired to "droll up" the loop—in which case the loop frame and the base can be stained and varnished to match the set cabinet—or even shellacked in its natural color. Do the shellac or staining and varnishing on the loop frame—and let it dry well before attempting to do the wiring.

Tuning Range.

This particular loop with the nineteen turns is laid out for use with a tuning condenser of .00035 mfd. capacity and will tune over the broadcasting wave band with such a condenser. If the set happens to be supplied with a condenser of .0005 mfd. capacity (as many are) all of the details and measurements will be the same, except that only sixteen slots are made with the hacksaw in each end of the branches of the "X," and but sixteen complete turns of wire are put on—then end the sixteenth turn down the right-hand side going to the right-hand binding post.

It might be possible, that with some condensers marked as .0006 mfd. capacity, the condenser would tune too low, or any given station—

in such a condition, it will only be necessary to remove the last, or inside turn, making a total of but fifteen turns before connecting to the right-hand binding post.

This loop is small, light and inexpensive. It compares very favorably in performance with several of the standard manufactured loops—in fact, the difference in performance between the little loop and a big handsome one was not appreciable—the difference in looks, of course, depends on the maker and his care and patience.

It is sharp in tuning, and like all "spiral" loops is very sensitive to direction. There is nothing unusual about it—it is simply a small loop for an emergency, or vacation use, figured out carefully and tested for satisfactory operation with several different types of receiving sets.

Finding the Way by Wireless Navigation in Fog

FOGS, covering a widespread area for several days, provide a demonstration of the comparative helplessness of modern ships recently when their navigators were unable to take visual observations upon objects either on land or in the celestial sphere. In view of the serious delays caused to shipping in these circumstances and the heavy monetary loss resulting therefrom, it is desirable to draw attention once more to the value of wireless direction-finding. If any further proof were required of the practical utility of this art, it was provided by the fact that during the recent fog the only cross-Channel services regularly maintained were carried out by ships fitted with wireless direction-finders.

From the scientific point of view, considerably more research work into all the aspects of wireless direction-finding has been carried out in Great Britain, notably by the Radio Research Board, than in any other part of the world. This research work has led to the obtaining of definite knowledge of all the phenomena which are encountered in the use of direction-finders, and adequate tests have been carried out to ascertain the precise conditions under which the direction-finder may be considered a sufficiently accurate instrument for use in marine navigation. Briefly summarized, these tests have shown that at distances up to 100 miles over sea, the direction-finder is capable of giving bearings and positions to an accuracy comparable with that of other navigational instruments, and that at distances much greater than 100

miles wireless bearings may render very valuable service when, owing to bad weather, fog, and other causes, other means of navigation have failed.

The conclusions have been confirmed many times in very striking circumstances under practical sea-going conditions, and it will be sufficient to recall here one of the more recent instances. Most people will remember the rescue of the crew of the Antinoe by the President Roosevelt in thrilling circumstances a little over a year ago. What is perhaps not so generally known, however, is that the position given by the Antinoe in her S.O.S. distress call was about 100 miles in error. Had not the captain of the President Roosevelt had sufficient confidence in his wireless direction-finder to navigate on the bearings given by that instrument rather than on the information sent by the Antinoe, it is probable that the latter ship would never have been found in the stormy weather conditions which prevailed at that time and place.

At the present time some 200 British ships are equipped with wireless direction-finders, while only three or four land direction-finding stations exist in Great Britain and none in Australia for the use of ships not fitted with such instruments. While this indicates a healthy start in the right direction it is not too good for the greatest maritime country in the world, and it is to be hoped that the near future will show a rapid increase in the use of this application of wireless science to the services of ships at sea.

News and Comment from 3LO

By H. ELLO

THEATRE managers, skilled fellows who have spent a lifetime in gauging public taste, die without being able to give the world any formula for a task in which they fail as often as they succeed. It is therefore no manner of use trying to assign any reason for the enormous appeal of Brother Bill's words to children and their elders over 3LO Melbourne have been so popular that they are being repeated.

Religion is a tricky thing to put over the air. It is far better left alone, except in so far as individual church services supply a want whose particular appeal is known in advance and may be tapped or rejected as required.

That is why Brother Bill's talks are popular among all sects and creeds. There is not a trace of religion in them. He is an apostle of the gentle art of "playing the game," and Catholic and Protestant are interested in doing this. Bill points out no road to Heaven, he mentions no creed, no mottoes for religious ills, no panaceas for the ills of human life. As a wily teacher might give a boy a tip, Bill speaks right on, and his fame spreads. Clergymen of all denominations write to 3LO Melbourne for copies of his talks. Already over 10,000 have been distributed, and like Oliver Twist parsons ask for more. A queer and shining example of the tremendous publicity value of wireless, which has thus made an anonymous speaker one of the best-known and best-liked moral teachers in the State of Victoria.

Wireless Makes Reputations.

Wireless plays a great part in reputation-making. 3LO Melbourne could, if it so willed, take an absolutely unknown man, and, provided he had ability, it could make him as well known as the Prime Minister inside a month. The publicity yielded by a big station is tremendous. It overflows into newspapers, wireless journals, radio shops, churches, and is carried on still further on a swift spate of letters.

All this is calculated to make such a home-made hero humble. What wireless has done, wireless can undo. There have been many cases of swollen heads, judging their studio value by their publicity, carrying their owners into the manager's office and making impossible demands under threat of abandoning the broadcasting station to its fate.

There is but one answer to this—immediate dismissal, and the manufacture of another wireless personality to take the place of the dear departed. I have a case in mind of a man who

thought he was invaluable, and who ventured to threaten the authorities that he would leave them high and dry if his preposterous terms were not granted. He is no longer on the air, but his style and title are well known by his successor, who is now as well-known as his large-headed predecessor and even better liked.

Bands of Hope.

It would be interesting to compile a list of the bands broadcast by 3LO Melbourne since it went into business. Band music is very popular, and there is naturally keen rivalry and competition to get "on the air."

Two newcomers for the air honors are on the scene, and are shortly to be broadcast by 3LO Melbourne. One is the Public Service Military Band, which believes that the process of blowing its own trumpet may enhance the value of a most modest and down-trodden service.

The other is the Police Band, a particularly fine organization, which has, I believe, been broadcast before, but not for some time. Both these bands will discourse sweet music in the beginning of October. Others are practising, hoping for the cachet that an engagement by 3LO Melbourne gives.

New Artists.

Eternally the weary search for new artists on the radio goes on. Few people know the numbers of the rejects, the hope that carries hesitating feet over the threshold, the despair that carries them out again. Critics would withhold their criticism if they knew how hard it is to find suitable microphone voices.

Among the new artists appearing early in October are the three winners of the Table Talk Musical Comedy Actress Competition. They are Tui Black, the dainty little Geelong girl, who won £100 and a year's contract with Williamson's, Kathleen Simms, the second girl, whose voice, tuneful as a bird's, was specially praised by the judge of the music section, Mr. Fritz Hart; and Ellie Mulligan, who in the opinion of many was the most suited to the type that was being sought, since she possessed the humor of a soubrette, with the dramatic power of an actress. It will be interesting for listeners to compare the voices of these girls. None, of course, is that of a prima donna. All the girls are young, and their training has yet to come.

Another newcomer, and also a prize-winner, is Irene Kirwan, who won the

big prize offered by the "Sun" News Pictorial for the best operatic aria. Miss Kirwan's voice is well spoken of, and she should have a good concert career before her. On this trial depends her standing as a 3LO Melbourne artist.

A Farmer to Farmers.

I must not omit a mention of a most interesting broadcast a few nights ago, when Mr. James Brereton, the farmer who was brought to Melbourne by "The Herald" for his first visit at the age of 53, gave his impressions of the city, and told listening farmers to swallow some of their prejudices and to talk less about the city misunderstanding the country until they realized how far they misunderstood the city.

It was a sensible, manly talk, free from cant, just the utterance one would expect from a hard-headed, shrewd man on the land, not too old to be able to shed his prejudices, yet old enough not to be bamboozled into easy praise of the city in return for a soft trip. The talk excited a good deal of interest. Show Week was a timely occasion for it.

Japanese Broadcasting.

3LO Melbourne's recent attempt at worldwide broadcasting was reported on most promptly by our indefatigable wireless neighbors in Japan, who appear to keep a constant watch on all our transmissions, as hardly a month passes without some report being received. These letters are written in a most enthusiastic strain, and although not models of scholastic English are quite intelligible and make one wonder at the industry of their Japanese writers in familiarizing themselves with English, which is a most difficult tongue for foreigners to master. Recently, too, 3LO received from a great Japanese newspaper a special number printed throughout in English as a souvenir of the coronation of the new Japanese Mikado, and in a section dealing with wireless some very interesting details were given of the Japanese broadcasting stations. It is not at all improbable that at some time 3LO Melbourne will take the opportunity of re-broadcasting for the benefit of local listeners some of the programmes of JOAK or other Japanese studio, which should help to dispel some of the curious misconceptions popularly held by Westerners as to the quality of music, drama, etc., coming from our neighbors across the Equator.



MORSE.

Dear Sir,—Re the morse interference complained of by Mr. S. B. Lloyd ("Wireless Weekly" 9/9/27), I am glad this matter has been given publicity. In our district, we frequently have our programmes served up with a background of morse. Until recently, we, who cannot read morse, have been hoping curses on a local experimenter, who was alleged to have been creating the nuisance by continually operating a badly tuned spark transmitter. When this matter was mentioned to the experimenter, he flatly denied the allegation, and further stated that no spark had been in operation at his station for nearly 3 years. A certificated operator who listened-in on my set, readily ascertained the origin of the interference, morse, and was able to identify the call signs of several steamers working on the commercial wavelengths, also a naval station near Melbourne.

In fairness to the experimenter concerned, and on behalf of other listeners, I tender him apologies, since we have been misled by the despicable action of an individual of the "Professor Knowall" type, whose statements have been proved to be as distorted as his countenance when uttering them. It is hoped that other listeners will see a moral in this: "Never blame an experimenter if you cannot read morse."

Yours, etc.,

I. SAMSASU.

Grafton.

WAVELENGTHS CRITICISED.

Dear Sir,—Regarding Mr. Rawdon Sutton's letter ("Wireless Weekly" 16/9/27), it seems very hard to blame 3LO for stopping him from getting America decently.

KGO, I presume, is the station he means, as they are 361 metres, but what about the jamming by 2BL—only eight metres away? And our old friend DOCK within four metres? By all means have a silent night, but stop 5CL first and give us a chance to hear the Manila Stations as well. 5CL most effectively blankets KZRM; even a superheterodyne can't sort 'em out. The "B" class stations are mostly anywhere, but on their allotted wavelengths. 2GB hunts

about 20 dial divisions on sets here. The only outfits that seem to regard the regulations in the least are 2BL, 3LO and 2FC, who all come in exact, as far as I can gather. The four N.Z. stations appear fairly right also (since they've been re-sorted). 6WP I can't answer for, as he is well jammed by our local power house, who fries chops around 1250 metres—and getting up steam and knocking the dust off the old P. I know a note and specially to bear him isn't worth the trouble anyhow.

If anyone can tell me how to hear those political speeches now being "superimposed" on 2GB's carrier wave, I'd much like to know. As beforementioned, they swing about 20 divisions—10 each side of their proper position—and even following them up on a single dial set only gives a few words here and there.

If the Nationalists only knew the awful way this station "arrives" in the country, I hardly think they'd use it. They share with 5KA the honor of being easily the worst of the "B" class crowd, whereas 3BY in Melbourne comes in like a good "A" class, with no mush, or swinging, at all.

Last Sunday night, Holet ran a programme that put most "A" class stations in the shade—just as loud and far better modulated.

Your paper is often enquiring about country reception. Well, here are a few home truths for this locality—about stations not generally mentioned.

Yours faithfully,

MARCUS S. OLIVER.
Gunnedah.

EARLIER NEWS.

Dear Sir,—Some of my country friends have suggested the desirability of having news services earlier. With the days lengthening out they do not get the Southern early evening news well and for country people who have a habit of going to bed early, it is a severe effort to wait until after 10.

Yours, etc.,

A. ORTIN.

Toowoomba.

MODERN RECEIVERS.

Dear Sir,—Re Mr. H. V. Mutch's reply ("Wireless Weekly" 23/9/27).

If Mr. Mutch will persist in the old ancient he built two years ago, well the conditions are as comparable as the modern effort of the P. and O. Company to the effort of poor old Noah.

I take it that Mr. Mutch's set is the standard three coil detector, and two stages of audio, if such is the case, I will admit that any fading which may take place, will seriously affect his night's enjoyment, but it is quite apparent if he will just make his set up-to-date and add a stage of radio frequency, his troubles will be practically eliminated.

I again emphasise that with a modern set built to cover out present broadcast band, one can set the dial and sit back without experiencing the slight discomfort in either daylight or night reception.

I will admit Mr. Mutch has a greater experience than myself, by six months, but he has stood still with the three coil whilst I have played with most of the modern designs as they come on the market, and it is ridiculous to assert that the old three coil is the equal of these modern sets as regards tone, selectivity and volume, otherwise the engineers in catering for the public tastes and essential demands would have concentrated on the three coil and not spent thousands of pounds in laboratory tests in perfecting circuits which necessarily had to prove their worth before the public would accept them as the goods.

I am out to try and help the out-back wireless enthusiast, but unless he is willing to subscribe to the present day sets, the effort is wasted energy.

Any complaint regarding Australian broadcasting as a whole, in my opinion, is unwarranted; we are catered for in tastes of the very extreme, select your day or night's programme from the "Wireless Weekly" and tune into the stations at the time you desire, and you get any class of entertainment you wish.

Yours, etc.,

F. J. LYONS.

June.

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.



SOON FREEZE.

Dear Sir,—Reading the "Wireless Weekly," Mr. Blair's letter ("W.W.," July 29th), of Drummoyne, his views are very narrow. He says he thinks religion is very much overdone. Considering that he can get six days and evenings of the wireless amusement and when Sunday comes he has no time for the church. He must be very selfish. He does not think of the aged and infirm, and several with other diseases, that can't get to a church on Sunday. They certainly receive a blessing if they should be in a home where a radio is installed, and an aged mother, 82, who cannot get to church in winter, it means something to be able to "listen-in" and hear the good you can get from various churches. If Mr. Blair should live to this advanced age, he will no doubt think differently, as he seems to have no time for religion. He says he has broken the ice, but I hope it will soon freeze again. I myself greatly appreciate the "Wireless" very much and would be very sorry if the church services were left out on a Sunday.

Aberdare. MRS. E. SYNER.

DESERVE CREDIT.

Dear Sir,—Your correspondent, Jack Blair, is to be commended for opening up this subject, and although I do not altogether agree with his letter headed "Less Religion," I give him credit for a sincere desire to make the Sunday programmes more attractive. Personally, I think the local stations deserve credit for the splendid variety of their religious broadcasting,—both from the churches and from their studios in the children's services, also the talks during the afternoon from 2BL. One of the main reasons for my retaining my wireless has been the general attractiveness of the Sunday programmes.

Regarding his remarks about no great body of listeners who appreciate religion by radio, I would remind Mr. Blair that a plebiscite taken by a daily paper revealed the fact that religious services come very near the top of the list in popularity. When one considers the numerous inmates of our public institutions, the sick, the aged, etc., what a comfort it

Hundreds of voting coupons in the Sunday Programme ballot have been received.

They will be counted and checked during the coming week, and the result published in our next issue.

The Editor will then close this controversy.

must bring to them to hear again their favorite church service, with a message of hope and cheer by some well-known preacher from the Old Book. Much might be said of the moral influences of these services, but for fear of being "Bore some in the extreme," I refrain.

In conclusion, I must admit that occasionally I do find some of these services bore some, but over a period of about two years' listening I say they are comparatively rare.

I would suggest that to suit all classes it might be advisable to have one station on light musical items and the other on the church services on Sundays, but would in that case insist that broadcasting of racing information by practically all stations at once during a part of Friday night and Saturday be put an end to at once, as it is at present worse than bore some.

Yours, etc.,
Drummoyne. W. BROOKE.

NO OBJECTIONS.

Dear Sir,—I see no reason to alter the present church services broadcast, and I fail to find objection where I have travelled. From my experience the services are very much appreciated in the country. I consider the musical parts of such services are almost invariably a treat in themselves.

Yours, etc.,
J. H. SCHERF.

Nowra.

IN FAVOUR.

Dear Sir,—Although I have a good wireless set, which fact, according to Mr. Governor's letter, places me in the slightly above average intelligence class, yet notwithstanding this I am in favour of good church services being broadcasted on Sundays. Even people of superior intelligence cannot fail to be interested if not made better by listening to a good sermon. Although I must admit that we do not hear many good sermons, either over the air or in the churches. But even if the sermon is not up to much the music is generally good and good music appeals to all, even those of above average intelligence, and what a joy it is to those who have gone to church all their lives, and now through the weight of years and the infirmities of old age, cannot go to church, but thanks to the wireless can listen in to their beloved church service. Why, it is heaven to them, and if it was only for their sake, I vote for Sunday church services every time.

Yours, etc.,
Kurri Kurri. K. B. OSBORN.

A GREAT SHOCK.

Dear Sir,—I am sure it comes as a great shock to the better class of human being to find that they have such a person as J. Blair, and his little flock of sheep (who seem to follow where he leads them) in our midst.

He says that for two years he has held his peace, and by what I can see of such a man, it is a pity he does not hold his peace forever. Why, such a man must be talking through the back of his neck, and if he wants to jazz, I would advise him to get a few tin buckets and a tin whistle and sit in his back yard and have jazz to his heart's content; or, as an alternative, he can go to the labor station, where I feel sure they will satisfy his wants.

Has this so-called man no thought for his fellow creatures?

I am certainly not in favour of more sermons than at present given, but what about sacred music on a fine nice organ? Why, nothing can be better, and one does get a variety of delightful music, which is more than one can say about Jazz.

Rozelle. THOS. ALFRED.

It's All in the Air

Coming Features in the
Broadcasting Programs

"THE CHOCOLATE SOLDIER": The second act of this popular musical comedy will be broadcast in entirety by station 2FC, on the night of Friday, 7th October. Gerald Walcott takes the title role, supported by Stella Wilson, Leo Darrton, John Halston, Bernard Manning and Mabel Gibson.

ORGAN RECITALS: A series of organ recitals from the Crystal Palace, by Hal Stead, will be broadcast by 2FC, between 10.30 and 11.30. Organ music is always popular on the air, and listeners will appreciate this pleasant little break in the morning.

THE ELECTIONS: Following the practice of former years, the results of the State elections on 8th October will be broadcast by 2FC at regular intervals throughout the night. The country people particularly will appreciate this opportunity of hearing the progress of the arbiters of our political fate.

"THE KING'S": That historic match, of so much interest to the rising generation, as well as the veterans of the rifle, will be described by 2FC, and after the chalking of the winner on Friday, 14th October, he will speak a few words to the waiting unseen thousands.

AN OLD IDENTITY: Listeners will enjoy the address by Sir Joseph Cook, from the Lyceum Hall, to be broadcast by 2FC on afternoon of 9th October. After six years' absence, the story of his activities abroad will prove of considerable interest to his many Sydney friends.

"THE SPARKLERS": Now we're in for a jolly time! So many listeners say: "Yes, we like a good waltz solo, or a well-produced voice. We do appreciate art, but the difference is we do not spell it with a capital 'A.'" We like just a little of that wonderful commodity which seems to keep up your "real artists' spirits, but give us a frankly popular programme at least six nights in the week." Russ Curling, the capable director of "The Sparklers," takes a keen pleasure in supplying this want, and on Tuesday, 11th October, he has arranged a programme which will, in truth, sparkle from beginning to end. He will be assisted by Wilfred Thomas, Peggy Donbar, Maida Jones, Charles Laurence and Brunton Gibb, all popular 2FC artists.



Charles Lawrence, well known entertainer, at the piano in the 2FC studio.

ELOCUTIONARY RECITAL: Mr. Brunton Gibb, a Sydney elocutionist and teacher of dramatic art of considerable ability, is arranging a recital from the Ladies' Presbyterian College, Croydon, on the afternoon of Thursday, 8th October. All the students taking part are pupils of his, and were successful in winning the Dimpster Shield. The programme has been very carefully selected, and should prove of interest. It will be broadcast by 2FC.

IT IS DIFFICULT to believe that after such a short time of speaking over the air, that Brother Bill has made so many thousands of friends—young and old alike—who are all clamoring for his booklet of talks, that have now been printed, and are waiting to be distributed to listeners who desire to have a copy of these inspiring talks to the young people. As everyone may have judged—there is no one better able to understand the child mind than our "Brother Bill"—and his weekly talks are a sheer inspiration to boys and girls alike—full of wise and manly counsel, and good advice to help them to play fair and square in the greatest game of all, "The Game of Life."

ONE OF THE most popular speakers from studio 2LO, Melbourne, is assuredly the Reverend Kenneth Henderson, who from the almost inexhaustible fund of knowledge at his command, has helped countless listeners to a better appreciation and understanding of some of the most important things of life. He has now embarked upon a series of talks, "Topics of the Week," which, as may be imagined, will embrace everything that is worth knowing or remembering. Put up in attractive tabloid form, these talks will be greatly enjoyed by the busy man, who wants to know, but who has not the time—and often the inclination—to find out certain things for himself.

INTERSTATE REBROADCAST: The programme from 2FC on Thursday evening, 6th October, will take on added interest by virtue of the fact that at 9 o'clock it will be picked up and rebroadcast by station 5CL, Adelaide, for fifteen minutes. Adelaide listeners will have an opportunity of hearing Miss Rene Maxwell, noted Australian soprano, and the Handwick Municipal Band. The band will play a selection from "The Mikado," followed by Miss Maxwell singing "The Ship of My Delight."

"TWO FESTIVE CAROLLERS" are singing popular melodies from studio 2FC during the afternoon session. Their modesty demands a "stage name"—or perhaps it would be more correct to say a "microphone" name—but the standard of their work requires no advertisement. Listeners will appreciate this novel break, during the afternoon programme.

S.A. CRYSTAL USERS WILL HEAR INTERSTATE STATIONS:

On the evening of October 5, those listeners in South Australia who possess crystal receivers only will have an opportunity of listening to all the Australian "A" class broadcasting stations in turn. 5CL has obtained special permission from each broadcasting station to broadcast on them on the programmes, so that every station will be heard in turn. This novelty will be carried out by means of a sensitive and selective radio receiver connected to 5CL's transmitter by means of land line.

ON MONDAY, October 10th, we are to have the Police Band broadcasting from Studio 3LO, Melbourne, when a specially attractive programme has been arranged. As is generally known, this band compares more than favorably with any existing band in Melbourne, and their repertoire is varied and extensive. Included in this musical combination are many soloists, several of whom are well known to the public as musicians of great merit, and whether in solo or concerted work, their contribution to the programme is always enjoyable. It is good to note that this band has done a tremendous lot of work in raising funds for various organisations, and their instruments are never dimmed, when they are asked to "raise the wind" for any deserving charity.

SO SUCCESSFUL was the recent production of "The Merry Widow" at 3LO, Melbourne, that in response to overwhelming requests this popular musical comedy is to be broadcast again shortly under the conductorship of Mr. Wm. G. James. The following well-known artists are cast for the leading parts, and the production is in the capable hands of Mr. Alfred Andrews—

Mde. Saffo Arnau, as Sonia
Hugh Huxham Prince Danilo
Alfred Andrew Baron Popoff
Edith Huxham Natalie
Horace White De Joldon
Maurice Dudley, Nisch Novikovich
Renn Miller Cascada
John Donovan Si Bricioche

LOVERS of sacred music have a very special treat in store for them, when Madame Ella Kingston, the well-known Melbourne soprano, broadcast from studio 3LO, Melbourne. As many of our readers know, Madame Kingston has been for fifteen years the leading soprano of the Collins-street Baptist Church, and has organised the presentations of various oratorios that take place so frequently from that church. The choir is well known for its general excellence, beside of all demonstrations waiting the church on Sundays expressly "to hear the music," and the work of Madame Kingston in this direction is well known in musical circles of Melbourne.

FEW PEOPLE have been so popular with younger listeners than Miss M. Shepherd—or "Wonderland Alice"—in her lectures, "Myths and Fables of the Commonplace." This series has proved most fascinating to the kiddie, and has led them step by step into the realms of knowledge by a delightful road that isn't the least little bit like "lessons"—but more like a real fairy tale. The objects we see around us, and have objects so used to, spring into fresh being, and are possessed of a new charm when seen through the eyes of a wonderland. For instance, who would think that old Tim—the homely tabby cat slumbering so snugly before the fire—was once a king in his own right? Of course, all this was thousands of years ago, and you must tune in to "Wonderland Alice" to find out exactly when.

ALWAYS a generous nation, Australians are not slow to rise to the occasion when it comes to an appeal to assist those less fortunate than themselves, more especially when it happens to be for children and the oppressed, who are fighting against tremendous odds and cannot help themselves, either one way or the other. Monsignor Barry-Doyle, who spoke so eloquently at 3LO, Melbourne, recently upon the pressing needs of the orphans under his charge in the near East with such remarkable success that cheques and donations are still pouring in from sympathetic listeners all over Australia. The first batch of donations amounted to £120, and whilst it is interesting to note there were several cheques for £5, one envelope contained a £20 note—and nothing else—it is pleasing to note that the majority of this large sum was composed of small gifts, showing that all listeners wished to have a hand in the great work of relief which the Monsignor is so nobly carrying out.



Miss Peggy Dunbar, 2FC Contralto.

CONSERVATORIUM LADIES' STRING QUARTETTE: The work of this instrumental combination is of a very high standard, and lovers of good music will enjoy their programme from 2FC studios on the evening of 9th October. The members of the quartette are Miss Muriel Buchanan, Miss Florence Forshaw, Miss Dorothy Curran and Miss Rosamund Cornford.

FLOWER ROMANCE AND LEGEND.

The interesting series of talks on the Romance and Legends of Flora given by Miss Stephanie Taylor, on Friday afternoons, has given much pleasure to listeners, as it has covered ground not previously touched on by 3LO, Melbourne's lecturers. Miss Taylor has given some of the old-world legends and has managed to weave in with them some of the outlook of modern psychology, while not forgetting that she is speaking to an Australian audience. She is an earnest advocate of seeing also in our own native flora, such as the beautiful wattle and gum blossoms, orchids, ferns and wild flowers, the lessons and mystical messages found by great writers of older lands in flowers known to us only in our gardens. Shakespeare, Wordsworth, Shelley and others have read meanings and lessons into the primrose, violet, forget-me-not and daffodil, which Miss Taylor looks forward to being interpreted for us by Australian poets in terms of the flowers and trees of the Australian bush.

There is no "just-as-good" as Burgess.

More Free Circuits

Those readers who were disappointed (due to the demand occasioned by our recent FREE CIRCUIT OFFER) may now obtain free for the asking any of the following:

Five Valve Neutrodyne The Marco Four An Extraordinary One
Five Valve Solodyne Three Valve One-control Valver
Four Valve Improved Reinartz Crystal Sets
Browning Drake Two Valve Reflex and many others.

We Stock Only Parts of Dependable Construction

Eco 3-gang Condensers, with equalisers for Solodyne £2/16/-
Naidi 3-gang Condensers, with dram-control for Neutrodyne £3/17/6
Parent Itronic 3-gang Condensers, with equalisers for Solodyne £3/12/6
Lateral Action Variable Condensers, Hipault's Model No. 2 as recommended by Beol-Tang Ltd., 0005, with Vernier Dial £1/3/6
Eco, All Brass Variable Condensers, straight jaw, 0005 .. 10/-
R.C.C. Variable Condensers, with brown ends, 0005 6/6

Battery Switches, E.M.S. Push Pull Type 1/6
Single Circuit Jacks, R.M.S. Panel Connections 1/0
Double Circuit Jacks, E.M.S. Panel Connections 2/2
Radian Tubing, highly finished, 2in. Diam., 8d. per inch: 2 1/2 in. diam., 9d.; 3in. diam. 10d.
Whelan Super Cone Loud Speakers, adjustable 15/-
Paramec Island Loud Speaker, 3in. high, 4,000 ohms, £2/11/-
Solodyne Kite, Groudon, C3/7/8; Radishes £3/15/-
Screened Coils, Radioloes, Aerial or Reinartz £1/5/-
Spring Valve Sockets, Kelford, 3/-; Pilot, 3/3; Emmeo, 3/9

The Three Valve RICE NEUTRODYNE

As described in this issue, is an excellent distance getter.

The Parts:

	£	s.	d.
1 Polished Radian Panel, 18 x 8 x 3-16	0	15	0
2 .0005 Eco Variable Condensers, 10/-	1	0	0
1 30 ohm. Philmar's Precision Rheostat	0	3	0
2 Emmeo Bakelite Vernier Dials, 7/6	0	15	0
1 B.M.S. Single Circuit Jack	0	1	9
1 B.M.S. Push-Pull Battery Switch	0	1	6
3 Standard American Valve Sockets, 1/6	0	4	6
2 4in. Lengths 3in. Diam. Radian Tube	0	6	8
2 Brachstats to Suit Valves, 4/9	0	9	6
1 Wetless .0003 Grid Condenser	0	1	6
1 Wetless .0001 Mica Condenser	0	1	6
1 Wetless .001 Mica Condenser	0	1	6
1 Advance Neutralising Condenser	0	4	6
1 Gridleak and Holder	0	2	0
1 Terminal Board	0	2	9
1 Doz. Sq. Buswire	0	0	10
1 Crescent or P.M.C. Audio Transformer	0	13	6

Total £5/5/-

The
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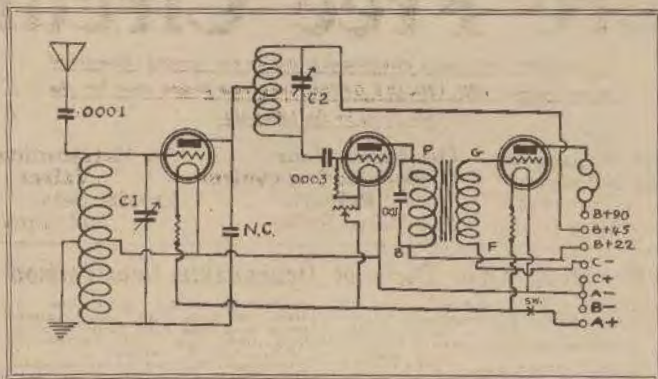
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The RICE Neutrodyne



With some Hints on Soldering

JUST the other day, looking through some old publications, the following sentence attracted attention: "The Rice system of neutralising in its original form appeared in 1918, and is, therefore, one of the original methods of neutralising. It is an exceedingly efficient circuit, and its modified form is fully equal to the more conventional methods of neutralising the inter-electrode capacity of R.F. Valves." Being inherently curious, further investigation revealed the circuit which is reproduced here. Recognising that neutralising the inter-electrode capacities of valves was of importance and being anxious to try the system out, a receiver was built. It is in connection with this splendid little set that this article is being written.

Almost every radio enthusiast to-day knows the standard Hazeltine Neutrodyne. The peculiarly angled coils of the Hazeltine principle and the small neutralising condensers are quite common sights nowadays. But how many people know why a receiver is neutralized? The dictionary says that a neutrodyne receiver is a special form of high-frequency valve amplifier and detector in which the stray capacity coupling between electrodes of the valves is neutralized by low-capacity couplings connected between the grids and suitable points on the windings of the high-frequency transformers. The inter-electrode capacity of a valve is of such a nature as to tend to set

up self-oscillation and, unless "Neutrodyne compensation is employed, it is a very difficult matter to prevent a multistage high-frequency amplifier from breaking into self-oscillation.

The veriest beginner knows that the electrodes of a valve are three in number, the filament, the grid and the plate. It may seem ridiculous knowing just how small in dimensions

these electrodes are to think that they could cause the trouble which they do. But that they do, is an accepted fact and can be proved. Not only is it necessary to neutralise many stages of radio frequency, but distinct advantage is gained in neutralising even one stage of radio frequency, for example, the Browning Drake, the Bayer, and many other popular forms of receivers. The early reader will take his mind back to the well-known old system of potentiometer control of radio frequency oscillations on the tuned anode receiver. This receiver has, practically speaking, entirely disappeared from our midst and the Neutrodyne principle has taken precedence.

What You will Need.

- One panel, Dilecto, Radion, or hard rubber, size 18in. x 8in. x 3-16ths.
- Two 4-inch lengths of 3-inch diameter Dilecto or Radion tubing.
- Eight ounces of No. 24 D.C.C. wire.
- Two .0005 Emmco Stratelene Condensers.
- Two Vernier Dials, Emmco or Pilot.
- One 20 ohms, Parker Aelous Rheostat.
- Two Brachstats or Amperites.
- Three All-American Valve Sockets.
- One BMS S.C. Jack.
- One BMS Battery Switch.
- One .00025 or .0003 Wetless Grid Condenser.
- One .0001 Wetless Condenser.
- One .001 Wetless Condenser.
- One F.M.C. 5 to 1 Audio Transformer.
- One terminal board.
- Baseboard, Wiring wire, screws, etc.

That whistle which we hear, or that howl, as we call it, which we hear when listening in to our favorite station, is produced by radiation from receivers, and if all receivers were properly neutralized, no howling valves would trouble us at all. This, of course, would be the millennium, but we are gradually working towards it, and this Rice Neutrodyne will appeal to many who seek the Inter-State stations on the ear phones and the local stations on the loud speaker. To this end, as can already be gathered, there is one stage of neutralised radio frequency, detector and one stage of transformer coupled audio frequency. The circuit diagram is extremely interesting. Looking at it we find a strong resemblance in this circuit to



the well-known old principle of tuned circuits. A mild form of Barkhausen reaction is incorporated, the radio frequency oscillations passing from the plate of the radio frequency valve to the centre tip of anode coil which is naturally tuned. Reaction and neutralising is controlled by the small neutralising condenser which is connected from the plate of the first valve to the bottom of the first coil. The action of this condenser and the adjustment will be explained later on. Notice also the method of connecting the grid leak to the A positive direct, instead of across the grid condenser. This is most important and must be adhered to strictly if good results are desired. Notice, too, that the first tuning condenser is connected right across from the top of the coil to the bottom of the coil, not from the grid and filament, as is usual. The earth connection is taken from the centre tap, as is also the filament negative lead. Across the primary of the audio transformer there is a .001 fixed condenser. This should not be dispensed with, as its function is interesting.

Speaking of dispensing with a fixed condenser across the primary of an audio transformer brings back to mind how essential this condenser is in the well-known Browning-Drake receiver. Many readers have written in telling us of their inability to get the famous Browning-Drake to work up to satisfaction. Invariably the trouble lay in the omission of this fixed condenser across the audio transformer, as without it the set will not oscillate satisfactorily, and although regeneration is present in both sets, as has been previously mentioned, radiation does not take place.

Comparing the circuit diagram with the front view of the receiver one may wonder why there is only one rheostat shown on the front view and yet three valves are employed. The rheostat on the panel is for controlling the detector valve filaments only, the radio and also the audio valve having a filament ballast as an automatic filament control. These Brachstatts or Ampertees are very useful, for besides

saving panel controls, and, incidentally, panel space, they supply the correct amount of current to the filament of the valve to which they are connected. When purchasing them be careful to specify the make, the voltage, and the amperage of the valve with which the ballast has to be used, as in both Brachstatts and Ampertees there is a ballast made for almost every valve sold to-day, and it is necessary always to obtain the correct amperage as well as voltage in the ballast in order that best results accrue.

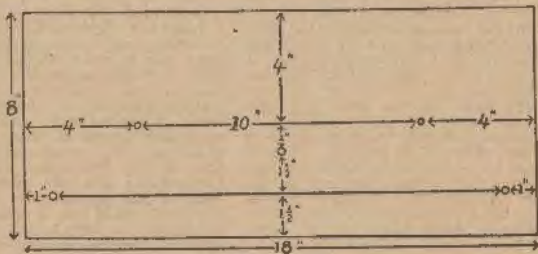
The circuit diagram shows a small fixed condenser of the capacity of .0001 in series with the aerial. This gives a form of constant aerial tuning besides making the receiver a little more selective. If, in its present form on test, the receiver is not sufficiently selective for the constructor's purpose it can be made more selective by connecting another fixed condenser of .0005 in series with the .0001 and the aerial. This will produce an extreme form of selectivity, and when properly balanced with the neutraliser condenser very little loss in signal strength will be noticed.

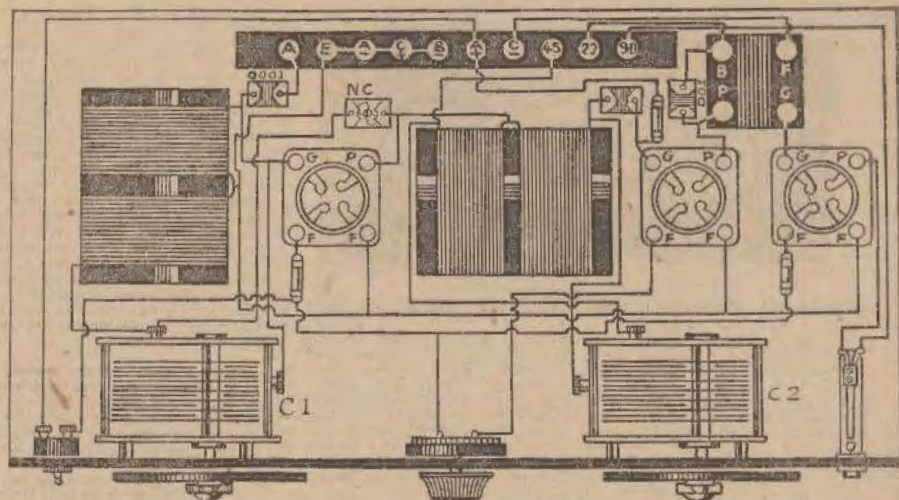
Variable dials are recommended; besides being very neat in appearance, the slow motion action produced in tuning makes reception of distant stations simpler than is the case with standard dials. There is a wide range of variable dials in the market, and the

constructor may choose for himself his own favorites. The panel is balanced very neatly—so different from the early types of receivers with their protruding honeycomb coils and several knobs and dials and contact studs spread over the panel. The constructor of modern sets can now build a receiver which, in appearance as well as performance, is very little short of the factory-built set. There is at his disposal a vast range of apparatus to choose from, and although we specify particular brands this is done because they are the parts from which the receiver illustrated has been constructed. There is quite a number of equally good parts which may be substituted, but, at the same time, it is always wise to adhere to the values of components for satisfactory reception.

The construction of the receiver did not take very long. As there are no commercially built coils for this set, it behoves a constructor to make his own. Coil winding is always a pleasant occupation and has a strong fascination for the average man, for, besides saving his pocket, he can always tell his friends he built his own. Firstly, procure the number 24 D.C.C. wire and place the reel over a long nail driven into a board in such a way that the wire will run off freely. Then prepare the three-inch diameter formers. Half an inch from one end drill two small holes along the edge approximately half an inch apart. Through these holes thread the beginning of the wire in such a manner that it will be held securely, and then proceed to wind along the length of the former sixty turns of wire.

A space of half an inch is left at the 30th turn, the wire not being broken at all, but simply make this one turn spread over the area in question. The idea can be seen from the illustration. Finish off the coil by securing as you did at the beginning. If a reasonably good tension has been maintained with the wire when it is completed, it will not slip, but if you are afraid of slipping, one coat of shellac varnish will not injure them in any way, but will





hold the turns in place nicely. Some people are under the impression that shellac varnish on a coil increases the self capacity. While this is true, at the same time the increase is so negligible that it is scarcely worth bothering about. On the other hand, it has the advantage of preventing moisture from soaking into the windings, and we all know how disastrous will be the result if moisture did succeed in creeping in.

The second coil in the receiver is the direct counterpart of the first coil—that is to say, it should be wound in an exactly similar manner with the same number of turns and the same gauge of wire as the first coil. This will mean that in actual reception both the dials of the variable condensers will read alike or almost so, and such being the case, simplicity will result.

The panel layout is indeed very simple. On the panel are mounted the two variable condensers, the rheostat below them, and the switch and jack in their respective positions as shown. The panel drilling diagram indicates the positions of all this apparatus, and the result is a very neat-looking receiver. Besides, of course, that only the centre holes of the spindles of the variable condensers are shown, the fixing screw positions being left to the constructor to use in accordance with template provided by the manufacturer of the condenser chosen. Don't forget at all times, when a vernier dial is being used, to

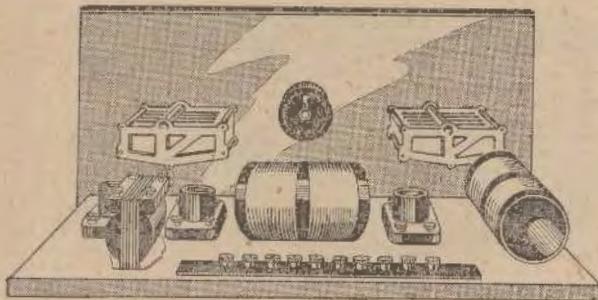
make provision for the catch screw which holds the dial in position on the panel. This saves time and trouble later on; also consider that the panel is to be fixed to the baseboard, so it is always necessary to drill three holes big enough to accept wood screws to pass through the panel and into the baseboard. These screws dispense with the necessity of employing brackets and holds the panel firmly in position, considering the small weight of apparatus that the panel holds.

Next prepare the baseboard. This baseboard should be seventeen inches long by nine inches deep and of a thickness of between half an inch and one inch. The edges should be planed off nice and smoothly, and the whole board given a coat or two of shellac varnish which, apart from the insulating properties it has, also dries very quickly.

Stopping at this stage to think for a moment, it seems hardly reasonable to expect that some readers don't know how to make shellac varnish. Well, it is just as simple as making tea, and to go about it is a very easy matter. First of all, procure the necessary ingredients, which are methylated spirits as sold by the grocer, and dry orange shellac, supplied by the ironmonger. The container should be a wide-necked pickle bottle or jam jar, but when selecting this latter article bear in mind that it is necessary to have a cork or some air-tight covering to fit this jar,

otherwise the unused quantity of shellac varnish will evaporate, or rather the methylated spirits will evaporate and leave you with a solid mass of dry shellac. To make good shellac fill the bottle with the dry shellac to about three parts its depth, and then pour in the top just sufficient methylated spirits to cover the shellac. Fit the cork in tightly and shake vigorously for a few moments, and then preferably leave over night. In the morning you will find that the dry shellac has dissolved in the methylated spirits, and ten chances to one you will find that when you attempt to remove the cork that it has stuck to the glass. You yourself can surely overcome this difficulty and remove the cork perhaps by the same medium as you remove the lid from a new tin of boot polish. This is how shellac varnish is made, and besides being very useful from the point of view of varnishing baseboards, it has its use in keeping wire in position on coils, as has been previously mentioned.

When the baseboard is varnished, then lay out the baseboard apparatus. Temporarily rest the panel in position against the baseboard and follow out the suggested scheme of layout as is shown in the illustrations. It is a good plan to raise the coils off the baseboard, using short pillars of rod or timber and a wood screw at each end for this purpose. Next, place in position the valve sockets. Note carefully just how the sockets are laid in order that compactness is assured and shortness of leads is maintained in



order to produce maximum efficiency. Then place the filament ballasts in their positions, and next the audio transformer, which is seen behind the detector and the audio valve sockets. For the present forget all about the terminal board. Round head wood screws of the required length are worth while for fixing these components to the baseboard, and make sure that they are held tightly, as "anything that is worth doing is worth doing well."

Now secure the panel in its position and commence the wiring. As there may be many readers who are not in the position of reading even a panel wiring diagram, let alone a circuit diagram, this matter will be dealt with at length in the ensuing paragraph or so. It is, of course, left to the judgment of the constructor to use either square cornered busbar or point-to-point spaghetti covered wire. To-day the constructor is catered for with many different brands of insulated wiring wire, such as Fort, Acme Celastite, and spaghetti covered wire, so it is in his province to select whichever system of wiring suits his purpose and his pocket. Very little can be said regarding the relative merits of any particular system, but the proof of the pudding is always in the eating, and as short leads play a most effective part in first-class reception, no doubt most readers will choose the spaghetti covered system.

Start off by linking up one F terminal of each valve socket together, and continue this right along to the centre tap of the first coil. Now run a wire from one side of the battery switch to one side of the radio frequency amperite, and also to the detector rheostat, and finally to the one side of the audio amperite. The remaining side of the radio amperite is joined to the remaining F terminal of the radio frequency valve-socket. The remaining side of the detector rheostat is joined to the remaining side of the detector valve socket. Connect

up the open side of the audio amperite to the open terminal marked F of the audio valve socket. Now link the nearest side of the first coil to the moving plates of the first condenser (C1), and then straight to one side of the neutralising condenser, the other side of which joins the P terminal of the radio frequency valve socket and also the centre tap of the second or anode coil. Run a connection from the fixed plate of the first condenser to the G terminal of the first valve socket, and then to the furthest end of the first coil, "further" designating the distance from the variable condenser C1.

Next connect the moving plates of the second variable condenser to that side of the second or anode coil which is nearest to the first valve socket. The furthest end of this anode coil is joined firstly to one side of the grid condenser and then to the fixed plate of the second variable condenser C2. From the G terminal of the middle or detector valve socket join one side of the grid leak clip. The P terminal of this detector valve socket joins the P terminal of the audio frequency transformer. The G terminal of this audio frequency transformer connects direct to the G terminal of the audio valve socket. Run a connection from the P terminal of this valve socket to one side of the single circuit jack.

At this stage place the terminal board in position right at the back of the baseboard. If the terminal board you have is not equipped with soldering lugs, then proceed to fit them in position in order that soldering is made easy. Have these lugs sufficiently long enough to project over the edge of the terminal board, and they should be fitted underneath and not on top. Now solder the lead from the terminal marked 90 volts to the remaining side of the single circuit jack. That terminal marked 32 volts should be joined to the E of the audio transformer. Just here connect

a fixed condenser, size .001, from the B to the P of this audio transformer. Now run another wire from the terminal marked 45 volts to that side of the anode coil which is nearest to the first valve socket, and which joins the moving plates of the second condenser. Next in rotation comes the A positive terminal, one wire from which runs to the open side of the switch and the other wire to the remaining side of the grid leak clip. The next four terminals, E negative, C positive, A negative, and earth terminal, are all joined together and a connection taken from the earth terminal joins the centre tap of the first coil. Place the .0001 constant aerial tuning fixed condenser in position and join one side to the terminal marked A for aerial. The other side of this small condenser is joined to that end of the first coil which is connected to the G terminal of the first valve socket. This completes the wiring and should be checked off carefully, not only with the circuit diagram, but also the back panel wiring diagram.

When soldering is called for make certain always that your soldering iron has four clean faces, and that all these faces are properly tinned. Some people prefer resin cord solder, others like fluxite to use in conjunction with soft solder. Under no circumstances whatever attempt to use killed spirits as a flux, as this gives rise to corrosion which will create considerable trouble later on. Always allow the soldering iron to remain sufficiently long enough on the prospective joint in order that the solder runs in properly and not as has been seen over and over again, merely sticking the parts together. Where flux is used the smallest quantity is always advisable. Merely wipe the two surfaces to be joined with a small portion of flux sticking to a match. Then pick up only a small portion of solder and apply to the joint and note that the solder runs in as has been previously stated.

If the soldering iron is allowed to overheat and become red hot, you can generally rest assured that the tin surfaces are burnt off, so it is necessary to see that they are put back again. To do this, get a piece of block Salammoniac and rub this over the surface of the iron, this having a cleaning effect and removing all the carbon surface, as well as cleansing out the "pits," which will insist upon occurring irrespective of how careful a person may be. Apply the iron now to the stick of solder and it will be noticed that where the iron is clean the solder will run nicely, leaving what might be termed a nickel-plated surface. This is one method of tinning. Where Salammoniac is not

available it is then a good plan to file off the dirty surfaces, dip the cleaned iron in the fluxite paste and apply the solder to it as before. This will effectively tin the iron and it is surprising to note just how quickly a properly tinned iron will pick up solder and make complete adhesion of the joints a success. As a last word on soldering, always make it a practice of wiping the surfaces of the iron with an old cloth immediately before it is used for soldering purposes, that is to say, immediately after it comes away from the source of heat.

When everything has been completely assembled and wired, test the receiver out on the air. Connect up the aerial and the earth to their respective terminals, and also the batteries to their terminals. According to the valve used, so must those batteries be considered. Still, it is easy to apply the correct A battery to suit the valves, and always remember that invariably the red terminal on the accumulator or A battery denotes the positive which is generally also marked with the plus sign. Some batteries have a negative marked with black or green, but always have the minus sign alongside this terminal. Look now to the back of panel wiring diagram, and you will see the difference between the minus sign and the plus sign. Connect up the A battery correctly, then turn your attention to the B battery.

With almost every make of valve there is enclosed a slip which indicates the correct B battery to be applied to the valve. Keeping this in mind, connect up the B battery accordingly. If general purpose valves such as UX201A are used, then the suggested voltage as shown on the back of panel wiring diagram will prove of interest. On the other hand, if special purpose valves of Mullard, Cossor, or Radiokos are preferred, then adjust the B battery voltages to suit the valve in question. For example, some special purpose radio frequency valves function best on a plate voltage of 90 volts and the detector sometimes is at its best with 45 volts. The audio valve make have between 90 and 135 volts, but it is wise to notice the correct principle of applying grid bias to the audio stage.

Ordinarily, four and a half volts is satisfactory as a grid bias on a plate voltage of 90, but just the other day the writer had a set to test which made use of a special power valve in the last audio stage, and which calls for forty volts grid bias. Still, for our purposes in this set, between four and a half and nine volts will prove ample.

Actually on test at Marrickville, six volt Cossor Point One valves were used, one special HF valve for the radio frequency valve and another of a similar type for the detector. The audio end was fitted with a Cossor Point One LF or black label valve. The B battery connected was 90 volts for the radio frequency valve, 45 volts for the detector valve and 90 volts for the audio valve, with a corresponding grid bias of 7½ volts. Results were very satisfactory not only in the local stations, but also on the interstate stations.

As the aerial used on test was approximately 78 feet over all in length and as 2BL is situated only four miles away air line, it was necessary to include a .0005 fixed condenser, as well as a .0001 fixed condenser in series with the aerial lead. With careful tuning, 3LO could be heard nicely on the headphones and 4QG a little more loudly. 5CL could be heard to advantage, but again only on the earphones. Later on in the evening 3DE gave a most interesting programme, which was heard just faintly on the speaker. As this station is only a low power B class broadcasting station, this reception speaks highly for the Rice Neodyne. But before it could be nicely received, neutralisation had to take place.

Now neutralising is a very simple matter. To achieve this effective state, it is necessary to tune in to the local station bringing it up to the loudest point possible. Then remove the ballast governing the filament of radio frequency valve. It will be necessary now to use the earphones, and you will be surprised to note that although this valve is not lit up reception can still take place, although much more weakly than heretofore. With a long handled screw driver adjust the neutralising condenser to such an extent that the local station is silenced or if not completely silenced, is lowered in signal strength to such a point that the local station is weakest. Reinsert the Amperite which will immediately cause the first valve to come into operation and greatly build up the signal strength. Next seek the interstate station, say, Brisbane, for example. Carefully tune with the Verrier dials, using the earphones, of course, all the time. Fading will be present, but nevertheless, good reception will be had apart from this. That little Melbourne station, 2AR, came through very well indeed, altogether the results were very satisfactory, and it is a fact that any person who drills this Rice Receiver will be pleased indeed with its performance.

DECIDING ON THE RECEIVING VALVES.

Radio Talk by Dr. F. Pitt, of 5CL.

SO far as regular reception is concerned, the radio listener has to decide between just two issues, namely, will he use a storage battery or will he use a dry battery for operating the tube filaments. If it be the former, then his choice narrows down to the general utility tube 201A, with either the UV or the UX style base. If it be the latter, then there is a wider choice of tubes, involving the 193 type with UV or UX base, and the WD type with WD, UV or UX base. So far as operation is concerned, the 199 and the WD types perform about the same. If the listener is of an experimental turn of mind and seeks super-sensitive results, there is the 209A type with either the UV or the UX base, operating on storage battery.

Fortunately, most receiving set manufacturers specify the tubes to use, and these instructions should be followed. The practice to-day is to employ general utility tubes throughout the receiver, or for radio frequency sockets, detector socket, and audio frequency sockets, unless power amplification is desired and realised by placing a special power tube in the last audio socket. Of the high-volume output or power tubes, there are three kinds, namely, the UX-120 for dry battery sets, the UX-113 for storage battery and the UX-210 for power supply sets. On the other hand, the practice of using a super-sensitive detector tube in the detector socket has lost favor in the last two years, because of the critical adjustments called for and the high current consumption of the 200 type.

As to choice between dry-battery and storage-battery tubes, it is entirely a matter of personal preference. Formerly, there was a considerable discrepancy between the two, the dry-battery tube was neater and simpler, but lacked volume, while the storage-battery tube involved considerable trouble and mess. To-day, the dry-battery tube has the necessary power, while storage battery operation has been reduced to utter simplicity.

THE MARCONI CO. have completed preliminary tests with South Africa via the beam wireless stations which they are building at Bodmin and Bridgewater for the G.P.O. Should further tests under ordinary traffic conditions prove satisfactory, the stations will be handed over to the General Post Office for the official seven days' trial. During the tests so far made, speeds of between 200 and 250 words per minute have been maintained over long periods daily.

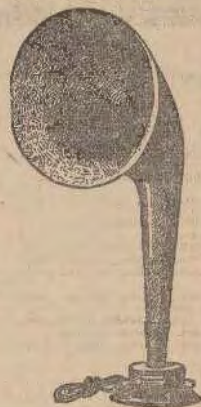
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BROADCASTING PROGRAMMES

For the **COMING WEEK**

Friday, Oct. 7

2FC, SYDNEY.

Farmer's Broadcasting Service
Wave Length, 442 Metres.

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
7.5 a.m.—Studio music.
7.15 a.m.—COUNTRY SESSION: Official weather forecast, rainfall, temperature, astronomical memoranda, shipping intelligence, mail services.
7.45 a.m.—Investment market, mining share market, social quotations.
7.55 a.m.—Wool sales, breadstuffs markets, Interstate markets, produce markets.
7.45 a.m.—"Sydney Morning Herald" summary.
7.50 a.m.—Studio music.
8 a.m.—"Big Ben." Close down.

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."
11.15 a.m.—Marching music for school children.
11.5 a.m.—A.A.A. and Roster's Cable Services.
11.10 a.m.—Studio music.
11.15 a.m.—A talk on Home Cooking and Recipes, by Miss Ruth Faint.
11.40 a.m.—Close down.

MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange, first call.
12.3 p.m.—Official weather forecast, rainfall.
12.3 p.m.—Studio music.
12.40 p.m.—Summary of "Sydney Morning Herald" news service.
12.55 p.m.—Rugby wireless news.
12.55 p.m.—Studio music.
12.30 p.m.—Marching music for school children.
12.45 p.m.—Madeline Hall, soprano:
"Thoughts have Wings" (Lehmann).
12.45 p.m.—The Oak Hall Instrumental Trio.
12.55 p.m.—Studio music.
1 p.m.—"Big Ben" and weather intelligence.
1.3 p.m.—"Evening News" midday news service.
Producers' Distributing Society's Report.
1.50 p.m.—The Oak Hall Instrumental Trio.
1.55 p.m.—Stock Exchange, second call.
1.40 p.m.—Marching music for school children.
1.45 p.m.—Madeline Hall, soprano:
"Lack-a-day" (Crompton).
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 programme announcements.
3.5 p.m.—Duet, Charles Lawrence and Len Maurice.
3.10 p.m.—Nella Mullarkey, mezzo:
"Sapphische Ode" (Johannes Brahms).

- 3.15 p.m.—A Reading.
3.25 p.m.—Duet, Charles Lawrence and Len Maurice.
3.30 p.m.—Marching music for school children.
3.40 p.m.—Doris Ritter, soprano.
3.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
3.55 p.m.—Studio music.
4 p.m.—William Boyce, bass:
"All joy be thine" (Sanderson).
4.5 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
4.10 p.m.—Frank Boham, baritone:
"Red star of the Roman" (Sanderson).
4.20 p.m.—Doris Ritter, soprano.
4.25 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
4.35 p.m.—Nella Mullarkey, mezzo:
"Jesuona" (Barry).
4.40 p.m.—William Boyce, bass:
"The Dawn" (D'Harfeldt).
4.45 p.m.—Steen Kroehage, third cell.
4.47 p.m.—Frank Boham, baritone:
"King Charles" (Wyle).
4.55 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA under the baton of Mr. Cyril Kaye.
5 p.m.—"Big Ben." Close down.
5.10 p.m.—EARLY EVENING SESSION.
5.15 p.m.—Programme announcements.
5.40 p.m.—"The Hello Man" talks to the children.
5.45 p.m.—Story time for the young folk.
6.00 p.m.—Studio music.
6.05 p.m.—Latest sporting information by the 2FC Racing Commentator.
7 p.m.—"Big Ben." Delicacy's market reports (wheat, wheat and stock).
7.5 p.m.—Fruit and vegetable markets.
7.30 p.m.—Shipping and weather intelligence.
7.45 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.30 p.m.—Programme announcements.
7.35 p.m.—Eleanor Stanton, contralto:
(a) "O' del mio dulce amor" (Glick).
(b) "Still as the night" (Dohm).
7.45 p.m.—Mr. Graham Kent,
"Flicks of Bridal."
7.55 p.m.—Maurice Herbit, pianist.
8 p.m.—"Big Ben." From Her Majesty's

Theatre, Pitt Street, Sydney, (by permission of J. C. Williamson Ltd.)

The first act of "The Chocolate Soldier," featuring Scilla Wilson, James Ray, Lancelotti and Charles Walters, in this popular Musical Comedy.

8.15 p.m.—From the Studio. Latest weather forecast.

8.25 p.m.—Maurice Durkitt, pianist.
8.25 p.m.—Raymond Ellis, English Baritone, and Ethel Arcey, soprano, will present the 124 p.m.—Selection, "Army and Orchestral" list of a series of operatic numbers representing the Comandari and Schuetze in Opera. Miss P. Arcey will sing:
(a) "Voi che saprete" ("Turco") (Mancini).
(b) "Quando m'a'n vo" ("La Boheme") (Puccini).

8.45 p.m.—Eleanor Stanton, contralto:
(a) "Lie there my love" (McClure).
(b) "The Arrow and the song" (Wyle).

8.50 p.m.—Steen Kroehage will present the seventeenth of the Martin Beck dissertations entitled:
"There's a reason for Everything."
Specialty written for 2FC by Coddington Hall.

9.05 p.m.—Raymond Ellis, English Baritone, and Ethel Arcey, soprano, in further musical numbers.

9.15 p.m.—Scott Alexander will give an original (parody) musical written for broadcasting by Coddington Hall entitled:
"The Night I was Born."

10.24 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA under the baton of Mr. Cyril Kaye.

10.38 p.m.—Studio music.

10.45 p.m.—Late news and announcements.

11 p.m.—"Big Ben."
THE WENTWORTH SYMPHONIC DANCE ORCHESTRA in popular numbers until 11.30 p.m.

Musical items from the studio during the intervals at the Wentworth.

11.50 p.m.—National Anthem.
Close down.

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

- 2FC—Farmer's Broadcasting Station, Ltd., Sydney, wavelength 442 metres, power 6000 watts.
2BL—Broadcasters' Ltd., Sydney, wavelength 352 metres, power 3000 watts.
2CB—Theosophical Broadcasting Station, Ltd., Sydney, wavelength 318 metres, power 3000 watts.
2BY—Trade and Labor Council, Sydney, wavelength 230 metres, power 1600 watts.
2BY—Otto Sandel, Sydney, wavelength 207 metres, power 1400 watts.
2BK—Mecker Bros., Bathurst, wavelength 270 metres, power 250 watts.
2BE—Electricity and Utilities Supply Co., Sydney, wavelength 233 metres, power 1500 watts.
2BE—Burgin Electric Co., Sydney, wavelength 118 metres, 100 watts.
2HD—H. A. Douglas, Newcastle, wavelength 418 metres, 100 watts.

2BL, SYDNEY.

Broadcaster's Ltd.
Wave Length, 352 Metres.

Friday

EARLY MORNING SESSION.—7 to 8 a.m.

MORNING SESSION.

- 10.30 a.m.—G.P.A. Clock and Chimes.
Musical programme from the Studio.
10.40 a.m.—News from the "Daily Telegraph" Photostat.
10.58 a.m.—Musical programme from the Studio.
11 a.m.—G.P.A. Clock and Chimes.
Announcements.
11.5 a.m.—Musical programme from the Studio.
11.10 a.m.—Talk on "Vigoro," by Miss Gwen Varley, Broadcaster's Women's Sports Authority.
Social Notes, Replies to correspondence by Mrs. Jordan.
Talk on "Feeling the Family," by Mrs. Jordan.

- 12 noon.—G.P.O. Clock and Chimes.
- Special Ocean Forecast and Weather Report.
- 12.30 p.m.—Brunswick Panatone Musical Festival.
- 12.45 p.m.—Information: Mail, Shipping and Post Directory.
- 12.48 p.m.—Balls in call by wireless.
- 12.50 p.m.—Fruit Market Report.
- 12.52 p.m.—Vegetable Market Report.
- 12.54 p.m.—London Metal Market Report.
- 12.58 p.m.—Dairy and Farm Produce Market Report.
- 12.59 p.m.—G.P.O. Clock and Chimes.
- 1.00 p.m.—Potage Market Report.
- 12.32 p.m.—Fish Market Report.
- 12.34 p.m.—Rabbit Market Report.
- 12.36 p.m.—Stock Exchange Report.
- 12.38 p.m.—News from the "Sun".
- 12.45 p.m.—Hilliers Instrumental Quartet; directed, Caryl Cantling.
- 1.1 p.m.—Stock Exchange Report.
- 1.10 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 Trio; direction, Miss de Courcy Rogers.
- 2.30 p.m.—G.P.O. Clock and Chimes.
- News from the "Sun".
- 2.40 p.m.—Country Women's Sealings; Its Objects, by Miss Williams.
- 2.45 p.m.—News from the "Ewa".
- 4 p.m.—G.P.O. Clock and Chimes.
- 4.05 p.m.—Service Stores Trio.
- 4.15 p.m.—Serial Story.
- 4.30 p.m.—Musical programme from the Studio.
- 4.45 p.m.—News from the "Sun".
- 4.55 p.m.—Resumes of the Week's Programme.
- 4.57 p.m.—Racing Results.
- 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.
- 6.30 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 Govt. Meteorologist.
- Producers' Distributing Society's Fruit and Vegetable Market Report.
- Stock Exchange Reports.
- Grain and Feedstuffs Report ("Sun").
- Dairy Produce Report ("Sun").
- 7.15 p.m.—Country News from the "Sun".
- 7.30 p.m.—Talk, by Mr. Gregory, of the N.R.M.A.
- 7.35 p.m.—Talk on "Gardening Science," by Mr. Cooper, Park Superintendent, City Council.

EVENING SESSION.

- 8 p.m.—G.P.O. Clock and Chimes.
- Broadcasters' Vocal Chorus.
- 8.3 p.m.—Broadcasters' Light Orchestra, under the direction of Mr. J. Knight Barnett.
- 8.38 p.m.—Mr. Mark Leslie (continues).
- 8.50 p.m.—Mr. Jack Ebbitt, in a Whistling Act.
- 8.54 p.m.—Broadcasters' All-Sports Expert will talk on Football.
- 8.55 p.m.—Mr. Mark Leslie.
- 8.57 p.m.—Cec Morrison and His Gloom-chasers broadcast from the Ballroom of the Bondi Casino.
- 9 p.m.—G.P.O. Clock and Chimes.
- 9.1 p.m.—Mr. Frank Herbert, entertainer.
- 9.5 p.m.—Broadcasters' Light Orchestra.
- 9.18 p.m.—Mr. Cy. Peir (ukelele Troubadour).
- 9.25 p.m.—Cec Morrison and His Gloom-chasers broadcast from the Ballroom of the Bondi Casino.
- 9.32 p.m.—The Sporting Editor of the "Sun" will talk on the prospects of Saturday's Racing.
- 9.45 p.m.—Cec Morrison and his Gloom-chasers broadcast from the Ballroom of the Bondi Casino.

- 10 p.m.—G.P.O. Clock and Chimes.
- 10.1 p.m.—Mr. Mark Leslie.
- 10.8 p.m.—Broadcasters' Light Orchestra.
- 10.18 p.m.—Mr. Frank Herbert.
- 10.25 p.m.—Cec Morrison and his Gloom-chasers broadcast from the Ballroom of the Bondi Casino.
- 10.32 p.m.—Mr. Cy. Peir.
- 10.38 p.m.—Cec Morrison and his Gloom-chasers broadcast from the Ballroom of the Bondi Casino.
- 10.46 p.m.—Resumes of following Day's Programme.
- 10.50 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

Theosophical Broadcasting Service.
Wave Length, 316 Metres.

Friday. MORNING SESSION.

- 9 a.m.—Music.
- 9.9 a.m.—"Ciborio" Talk.
- 9.15 a.m.—Music.
- 9.25 a.m.—Psychological Class.
- 10 a.m.—Close down.
- AFTERNOON SESSION.**
- 2.30 p.m.—Music.
- 3.34 p.m.—Address by Professor Ernest Wood.
- 3.52 p.m.—Music.
- 4 p.m.—National Association of N.S.W.
- 4.22 p.m.—Music.
- 4.30 p.m.—Close down.

EVENING SESSION.

- 7 p.m.—Music.
- 7.5 p.m.—Address.
- 7.15 p.m.—Instrumental Trio.
- 7.30 p.m.—National Association of N.S.W.
- 8 p.m.—Instrumental Quartet: DAN KULLY, MONICA BORDER, MURIELLE LANG, ADA BROCK.
- 8.15 p.m.—Songs by MADAM WEIDLE.
- 8.28 p.m.—Cello Solos: MURIELLE LANG; "Cheri" (Bach).
- 2 "Jolia's Hair" (Roster Quilter).
- 8.35 p.m.—Vocal Duets and Songs.
- Artists: ELSIE BROWN, CLEMENT TOSKING.

- 8.35 p.m.—Vocal Solos, MONICA BORDER: 1. "The Lament of Rose." 2. "Indian Snake Dance" (Cecil Forreight).
- 9 p.m.—Address by Professor Ernest Wood.
- 9.13 p.m.—Instrumental Trio: DAN KULLY, MURIELLE LANG, ADA BROCK.
- 9.25 p.m.—Songs by Madam Weidle.
- 9.32 p.m.—Instrumental Trio: MONICA BORDER, MURIELLE LANG.
- 9.45 p.m.—Address by National Association of N.S.W.
- 10 p.m.—Close down.

2UW, SYDNEY

Sandel Radio, Ltd.
Wave Length, 287 Metres.

Friday.

- MORNING SESSION.**
- 9 a.m.—News, Shipping, Mail, musical items.
- 9.25 a.m.—Resumes of the Week's Programme.
- 10.01 a.m.—Resume of forward programme.
- 10 a.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—Studio songs.
- 2.45 p.m.—Resume of forward programme.
- 3 p.m.—Close down.
- 3 p.m.—Studio items.
- 3.54 p.m.—Resume of forward programme.
- 6 p.m.—Close down.
- 7 p.m.—Where to go.
- 7.10 p.m.—Stations of Mr. Raymond Peschkech. Vera Turner, mezzo soprano: "Morning."
- 7.15 p.m.—Ray O'Brien, soprano: "A Pease Lull" (Travala (Vesti)).
- 7.25 p.m.—Victor Carl, violin solo: "Gardie" (Monte).
- 7.25 p.m.—Olwen Sammons, contralto: "Melodine in the Woods" (Givert).
- 7.30 p.m.—Olwen Connor. Chat on: "Jovelle Migration."
- 7.44 p.m.—Vera Turner, mezzo soprano: "I Love the Moon."
- 7.46 p.m.—Ray O'Brien, soprano: "Max Morning" (Dental).
- 7.49 p.m.—Victor Carl, violin solo: "Swab Dance" (Sassate).
- 7.54 p.m.—Olwen Sammons, contralto: "Trens."
- 7.58 p.m.—Miss Jeanette Patterson, pianoforte solo: "Walkerscauchen" (Lilist).
- 8.4 p.m.—George Manuel, chat on: "You in a Gondola."
- 8.5 p.m.—E. Salmou, tenor: "Commercial Art."
- 8.51 p.m.—George Manuel, tenor: "Who to Sylic."
- 8.52 p.m.—Harry Adholt, Jazz Interlude.
- 8.52 p.m.—Studio Items.
- 8.55 p.m.—George Manuel, pianoforte solo: "Romance" (Sibellus).
- 8.41 p.m.—"Sonora" selections.
- 8.45 p.m.—Harry Adholt, Jazz Interlude.
- 8.46 p.m.—George Manuel, tenor: "Where'er you Walk."
- 9.5 p.m.—Studio selections.
- 9.25 p.m.—Resume of forward programme.
- 9.30 p.m.—Close down.

2UW SATURDAY, OCTOBER 8.

- 7 p.m.—Where to go.
- 7.10 p.m.—Dance and Instrumental Items from the Studio.
- 9.20 p.m.—Resume of forward programme.
- 9.30 p.m.—Close down.

3LO, MELBOURNE

Broadcasting Co. of Aust.
Wave Length, 371 Metres.

Friday.

MIDDAY SESSION.

- 12.0 noon.—Time Signal, Metal Prices received by the Australian Mines and Metals Association from the London Stock Exchange this day; British Colonial Wireless News from Royal Reuters, and the Australian Press Association Cables; "Argus" News Service.

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

- 3LO.—Broadcasting Company of Australia, Ltd., Melbourne, wavelength 371 metres, power 5000 watts.
- 3AB.—Associated Radio Co., Ltd., Melbourne, wavelength 616 metres, power 5000 watts.
- 4QT.—Queensland Radio Service, Brisbane, wavelength 358 metres, power 8000 watts.
- 4CL.—Central Broadcasters' Ltd., Adelaide, wavelength 304 metres, power 5000 watts.
- 6WF.—Westralian Farmers, Ltd., Perth, wavelength 1250 metres, power 5000 watts.
- 7ZL.—Tasmanian Broadcasters, Ltd., Hobart, wavelength 535 metres, 3000 watts.
- 3DB.—The IDB Broadcasting Co., Pty., Ltd., Capital House, Melbourne, wavelength 255 metres, power 600 watts.
- 8UZ.—O. J. Nissen & Co., Melbourne, wavelength 313 metres, power 100 watts.
- 4GR.—Gold Radio Electric Service, Townsmb, Queensland, wavelength 294 metres, power 100 watts.
- 6KA.—Sport Radio Broadcasting Station, Adelaide, wavelength 280 metres, power 1000 watts.
- 6DN.—DN Pty., Ltd., Adelaide, wavelength 313 metres, 600 watts.



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11.20 p.m.—REGENT THEATRE CONCERT ORCHESTRA. (By permission Hoyts Theatre, Ltd.) Under the personal direction of J. LINDSEY. All-Allison. (1) Violin Solo and Leader, T. J. SCARFATHUR, March, "The Midnight Flyer" (Livery), Overture, "Coccolino" (Beechoven).
 11.30 p.m.—J. ALEXANDER BROWNE, Baritone.
 "Land of Hope and Glory" (Edgar).
 "Inviting" (Hugues).
 12.25 p.m.—Stock Exchange Information.
 12.40 p.m.—REGENT THEATRE CONCERT ORCHESTRA.
 "Two Sailor Pieces" (Ireland).
 "The Beer Wedding" (Handbach).
 12.50 p.m.—EILEEN CASTLES, Soprano:
 "Cannula Ty" (Unguen).
 "Azpiti" (Dabwin).
 1.0 p.m.—T.M.S. SIGNAL: It's One O'clock—Do it Now.
 1.10 p.m.—REGENT THEATRE CONCERT ORCHESTRA.
 "We're '98 Blue" (De Sylva).
 Saponiphonia, Mr. H. Harvey.
 Pastor, "At Snowdon" (Downland).
 1.35 p.m.—Meteorological Information: Weather by areas for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Reports for Victoria, Tasmania, South Australia and New South Wales.
 1.10 p.m.—J. ALEXANDER BROWNE, Baritone.
 "The Company Sergeant-Major" (Sanderling).
 "For You Alone" (Loeb).
 1.25 p.m.—REGENT THEATRE CONCERT ORCHESTRA.
 "We're '98 Blue" (De Sylva).
 Wonderful Gorges of Dreams" (Forster).
 "Little Brown Cottage" (Lilken).
 (Cronquist).
 1.45 p.m.—EILEEN CASTLES, Soprano:
 "Val in Español" (Castroville Rusticana) (Cronquist).
 "Leaves in the Wind".
 1.51 p.m.—REGENT THEATRE CONCERT ORCHESTRA.
 Suite, "The Village Green" (Auffl).
 2.5 p.m.—Close Down.
 AFTERNOON SESSION.
 2.0 p.m.—STUDIO QUARTETTE.
 "Awards Award" (Gaiman).
 "Yuliana Grinella" (Borcea).
 2.10 p.m.—MISS FRANCES FRASER:
 "As the Leaves Fall" (Queen).
 2.20 p.m.—DOROTHY BOXBURN, Viola:
 "Dance Villanelles".
 "Spring's Awakening" (Bach).
 2.32 p.m.—ANITA SHAWL, Comedianne:
 "The Cot the Rag".
 "My Cotter's Due to me Two to Two".
 2.40 p.m.—STUDIO QUARTETTE:
 "Waltz, "Dancing With the Orient".
 2.45 p.m.—MAX ALBERTA, Soprano:
 "The Desert Flower".
 "Be Happy".
 2.55 p.m.—STUDIO QUARTETTE:
 "The Dance of Isaccol" (Lampoy).
 "Chant D'Amour" (Greenfield).
 3.0 p.m.—RAY ALBERTA, Tenor:
 "Golden Shore in Lombardy".
 "Lute of Senhavia" (Rapp).
 3.15 p.m.—AGNES FOXTIME, Piano:
 "Water Wagons" (Scott).
 3.20 p.m.—STUDIO QUARTETTE.
 "Musical Scenes from Beethoven" (Lanzani).
 3.30 p.m.—MRS. W. CALDWAY MAHOOD:
 "The Art of Decoration".
 3.45 p.m.—"Harold" News Service; Stock Exchange Information.
 4.0 p.m.—Close Down.
 EVENING SESSION.
 8.00 p.m.—Answers to letters and Birthdays greetings by "BILLY BURNBY".
 8.10 p.m.—STUDIO QUARTETTE:
 "Childhood Memories".
 8.15 p.m.—"BILLY BURNBY":
 "Tell me why stories about animals".
 8.20 p.m.—STUDIO QUARTETTE:
 "Baby's Dream" (Byrd).
 8.25 p.m.—"BILLY BURNBY":
 "The Adventures of the Treasure Seekers".
 8.40 p.m.—"Hector" News Service; Weather Service; Sporting Movements.
 8.50 p.m.—Stock Exchange Information.
 8.55 p.m.—Fish Market Reports by J. E. Dorset. T.M.S. Signals.
 9.00 p.m.—River Reports.

9.05 p.m.—Newmarket Sheep Sales by the Associated Auction and Station Agents, bouccastree, Melbourne; market reports by the Victoria Trainers' Association; Live, Dairy, Fat, Horses, Potatoes and Orisons.
 9.15 p.m.—Market Reports of Fruit.
 NIGHT SESSION.
 7.15 p.m.—Under the auspices of the DEPARTMENT OF AGRICULTURE, by Mr. J. de LINDSEY, Veterinary Surgeon, will speak on:
 "Cattle in Home".
 7.40 p.m.—COLLINGWOOD CITIZENS' BAND.
 March, "Under the Double Eagle".
 Overture, "Gabriana".
 7.45 p.m.—ANITA SHAWL, Comedianne:
 "Sundowner".
 "I Don't Do Anything but Rain".
 7.47 p.m.—MR. H. K. LOVE.
 The construction of a "B" (Electricity): 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.
 7.55 p.m.—Announcements.
 8.0 p.m.—THE HEALTH ASSOCIATION'S MESSAGE FOR TO-DAY IS:
 "We now know two certain facts about disease and it is not something arbitrary, capricious, peculiar or accidental, but an effect of definite causes and conditions, and we are sure that these causes and conditions are in large and increasing measure controllable by man."
 —Sir George Newman.
 8.1 p.m.—COLLINGWOOD CITIZENS' BAND:
 Fantasia, "Lobengrin".
 Fox Trot, "A Tale in Spain".
 8.11 p.m.—EILEEN CASTLES, Soprano:
 "Churruman Obea".
 "A Baroque at Minstrel".
 8.12 p.m.—MR. C. J. WILLIAMS, will entertain upon:
 "Tomorrow's Stadium Event".
 8.25 p.m.—GILY MOORE, Tenor:
 Fox Trot, "On a Lover's Flag".
 "From the Land of the Sky Blue Water" (Gaiman).
 8.35 p.m.—COLLINGWOOD CITIZENS' BAND:
 Selection, "A Garden of Classes".
 8.40 p.m.—EILEEN CASTLES, Soprano:
 "Grand" (Verdi).
 "Would God I Were the Tender Apple Blossom" (Loudouyer Air).
 8.42 p.m.—Announcements.
 THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS FOR MOTORISTS:
 "Taking the other fellow's dust is better than to dust yourself. Say it with brakes and save the flowers."
 NEW ZEALAND STATIONS:
 (Corrected List).
 1YA, Auckland, The Radio Broadcasting Co. of New Zealand, Ltd.
 Power, 500 Watts; Wave-length, 355 Metres. Silent Night, Monday.
 2YA, Wellington, The Radio Broadcasting Co. of New Zealand, Ltd.
 Power, 300 Watts; Wave-length, 420 Metres.
 3YA, Christchurch, The Radio Broadcasting Co. of New Zealand, Ltd.
 Power, 500 Watts; Wave-length, 306 Metres. Silent Night, Thursday.
 4YA, Dunedin, The Radio Broadcasting Co. of New Zealand, Ltd.
 Power, 750 Watts; Wave-length, 465 Metres.

9 p.m.—EXTRACTS FROM "MISS HOOK OF HOLLAND" BY SLEEPFAITON L.M.O. SOCIETY: OARS:
 Mr. Hook is widower, a wealthy liquor dealer, a member of the exclusive Club, Captain Adriaan Paap C. M. Paul. Lieutenant de Coop of the Mignonet Antelope J. C. Macdonald. J. B. Gray Simon Slinke is lover by the name of Arapah W. F. E. Moorish Freda Von J. Foster Clara Von J. Dudley (Orphan sent to school at Amsterdam). Gretchen Mrs. J. A. Longman As Old Market Women A. G. Chick Miss (Taken to the Hook) Guss Gilly Sally (Miss Hook of Holland) Annie Gubtrie (Chorus of Market Folk, Soldiers, Citizens, Merchants, Villagers, Assistants at the Liquor Stillery).
 MUSICAL NUMBERS, Act 1.
 Opening Chorus (with Market) Market Song (Solo) and Chorus, "Miss Hook," W. M. Wilson. (Knitting Unit (Orphan), Mrs. Foster and Miss J. Dudley. Song (Slinke and Chorus of Men), "Jock Loofers," F. A. Murrill. Song (Sally). "My Away King," Annie Gubtrie. Chorus Chorus, "We've Purchased our Meal." Song (Paap and Chorus). Soldiers of the Netherlands (M. Paul). Duet (Sally and Van Vuyt and Chorus). "The Steepy Canal," Annie Gubtrie and W. A. Crooks. Song (Miss and Chorus), "The Flying Dutchman," Gera Gilly. Trio (Schwarzp—Slinke—Hook and Chorus). W. Wilson and Mrs. E. Moorish and J. P. McLennan. "A Little Bit of Cheese." Song (Van Vuyt and Chorus), "Tra-La-La," W. F. Crooks. Finale: "It is Insubordination." ACT II.
 Opening Chorus: "Any Time You're Passing." Madrigal: "Bolides." Song (Sally and Chorus), "Little Miss Wooden Shoes," Annie Gubtrie. Song (Miss), "A Pink Petry from Paap." Gera Gilly. Song (Sally), "I Want to be Your Wife." Annie Gubtrie. Concealed Number, "The House that Hook Built." Song (Van Vuyt and Chorus of Girls), "The Violoncello." W. F. Crooks. Song (Sally and Chorus), "Cream of the City." Annie Gubtrie. Finale. "With His Tea La-La."
 10.0 p.m.—MELBOURNE CHORAL UNION will sing at the next pieces for the National Competitions Grand Choral Contest, Madrigal, "The Silver Swan." "Psalm No. 2" (Hald). "Hallelujah" (Beechoven).
 10.10 p.m.—"Argus" News Service; Meteorological Information.
 10.15 p.m.—COLLINGWOOD CITIZENS' BAND.
 Waltz, "Gems of Gungul."
 10.25 p.m.—Road Notes; Supplied by the Royal Automobile Club of Victoria.
 10.35 p.m.—JOE ARPHSON AND HIS SYNO-COPATING SYMPHONISTS:
 "Sam the Old Accordion Man" (Donaldson).
 "Do More We Are Together."
 "Sunday" (Miller).
 10.45 p.m.—ANITA SHAWL.
 10.55 p.m.—JOE ARPHSON AND HIS SYNO-COPATING SYMPHONISTS.
 11.0 p.m.—OUR GREAT THOUGHT:
 "Spring is a beautiful piece of work, and not to be lost in the country to see. It does is not realising what glorious matters we are, and how cheerfully, minutely and un-ingly the first fingers of the season tender the world for us."
 11.15 p.m.—JOE ARPHSON AND HIS SYNO-COPATING SYMPHONISTS.



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4QG, BRISBANE

Queensland Radio Service,

Wave Length, 885 Metres.

Friday.

MIDDAY SESSION—1 to 2 p.m.

AFTERNOON SESSION.

8.30 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 p.m.—"Daily Standard" news, weather information, announcements.

6.15 p.m.—Lecturette: A talk under the auspices of the Queensland Radio Transmitters' League.

6.30 p.m.—Bedtime Stories, by "The Sandman."

7 p.m.—Market Report, Stock Reports.

7.30 p.m.—Weather news; announcements; "Daily Standard" news.

7.45 p.m.—Standard time signal.

7.45 p.m.—Lecturette: "Parent, Child and Teacher," by the Rev. M. E. C. Griffith (Director of ChM Education, Church of England).

NIGHT SESSION.

STUDIO PROGRAMME.

- 3 p.m.—March, "Royal Hussars" (Klog), the Studio Orchestra (conductor, Mr. A. R. Featherstone); the "Music Makers" introduction (tenor solo); quartette, "O Mistress Mine," the "Music Makers"; valse, "Love's Proposal" (Muss-Jokani), the Studio Orchestra; tenor solo, "Lay My Head Beneath a Rose," Signor Corti (with orchestral accompaniment); bass solo, "Big Ben," Mr. Davies; vocal duo, "Under the Desert Star," Messrs. Smith and Sheridan; melody, "Cherie" (Lieg), the Studio Orchestra; tenor solo, "O Elover of All the World," Mr. Ted Colbert; quartette, "Softly Over the Sea," the Music Makers; foxtrot, "Sweet Yachtie" (Davis), the Studio Orchestra; tenor solo, "A Dream" (Barfield), Signor Corti (with orchestral accompaniment); baritone solo, "Mendelsy," M. L. Sheridan; melody, "General Mieux" (Allen), the Studio Orchestra; tenor solo, "Goodbye" (Tooti), Mr. Arthur Smith; quartette, "The Volga Boatman," the Music Makers; march, "Festivity" (Watson), the Studio Orchestra.

FROM THE CENTENNIAL HALL:

- 9.15 p.m.—Dance music.
10 p.m.—"The Daily Mail" news, weather news, sporting news.
10.30 p.m.—Close down.

5CL, ADELAIDE

Central Broadcasters, Ltd.

Wave Length, 395 Metres.

Friday

MORNING SESSION.

- 12 noon—Chimes.
12.1 p.m.—Musical items.
12.5 p.m.—"Advertiser" news service.
12.15 p.m.—Musical items.
12.29 p.m.—"Advertiser" news service.
12.30 p.m.—Musical items.
12.35 p.m.—"Advertiser" news service.
12.40 p.m.—Messrs. S. C. Ward and Co.'s Stock Exchange Intelligence.
1 p.m.—Musical items.
1.10 p.m.—"Advertiser" news service.
1.15 p.m.—Musical items.
1.40 p.m.—Messrs. S. C. Ward and Co.'s Stock Exchange Intelligence. Market reports.
1.45 p.m.—Meteorological information.
2 p.m.—Chimes.

AFTERNOON SESSION.

- 3 p.m.—Chimes.
3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral selections.
3.45 p.m.—From the Studio: Madame Lambert (dramatic soprano).
4 p.m.—Chimes.

- 4.1 p.m.—Relay from the Arcadia Cafe—Orchestral selections.
Vocalist—Margaret Pirie (contralto).
4.15 p.m.—Station announcements, Messrs. S. C. Ward and Co.'s Stock Exchange Intelligence.
5 p.m.—Chimes.

EVENING SESSION.

- 8 p.m.—Chimes.
8.15 p.m.—Relay from the Covent Garden Restaurant—Dinner Music.
8.30 p.m.—Bedtime stories.
8.45 p.m.—Running Time of the East West Express.
6.45 p.m.—Bedtime stories continued.
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, Hees, Retail Grocers' Association, J. H. Young's special report on the tomato market. Inter-States Fruit and Produce Market Company Ltd. Dav's Fish Market reports.
7.35 p.m.—Sporting talk by "Windbag."
7.50 p.m.—Football talk by "Highmark."
8 p.m.—Chimes.
8.1 p.m.—Studio Orchestra.
8.15 p.m.—Madame Lambert, dramatic soprano.
8.27 p.m.—Studio Orchestra.
8.40 p.m.—Don Fraser, comedian.
8.50 p.m.—Studio Orchestra.
9.1 p.m.—Meteorological information.
9.2 p.m.—Dalgety's wheat report.
9.3 p.m.—Don Fraser, comedian.
9.40 p.m.—Studio Orchestra.
9.50 p.m.—Under the auspices of the S. A. Agricultural Department Mr. R. Fowler (Manager Blackwood Experiment Orchard, an "Experiments in the Treatment of Fruit Pests").
9.55 p.m.—Studio Orchestra.
10.15 p.m.—Don Fraser, comedian.
9.58 p.m.—Harry Wordin, bass.
10 p.m.—"Advertiser" news service, Wireless singing, Windbag's sporting service.
10.30 p.m.—Studio Orchestra.
10.40 p.m.—Relay from the Malton Glenzie—The Malton Dance Band.
11.15 p.m.—Tomorrow's programme. Station announcements, Meteorological information, National Anthem.

6WF, PERTH

Westralian Farmer's.

Wave Length, 1250 Metres.

Friday.

- 12.30 p.m.—Tune in.
12.35 p.m.—Markets, 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.
1.2 p.m.—STUDIO QUINETTE: 2 p.m.—Close down.
3.50 p.m.—Tune in.
4.25 p.m.—Musical programme, including vocal and instrumental numbers.
Grand music relayed from the Grand Theatre, Murray Street.
4.50 p.m.—Close down.
6.45 p.m.—Tune in.
6.49 p.m.—Musical evening for the kiddies by Alvin Kathleen and Eunice Henry and Duffy.
7.20 p.m.—Stocks, Markets News.
7.45 p.m.—Racing notes by the sporting editor of "Truth" Newspaper Co.
8 p.m.—Time signal from Perth Observatory.
8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
A RELAY.
8.3 p.m.—Vocal and instrumental concert arranged by Messrs. Harris, Scrie and Sandover Ltd., relayed from the Perth Town Hall.

FROM THE STUDIO—

- 9 p.m.—Talk "Gardening notes" by Mr. E. A. Hughes, representing Messrs. Dawson and Harrison Ltd.
Items by the Misses Mason and De Bouslay.
Instrumental Duo, of the s.s. Katoomba.
10 p.m.—Late news items by courtesy of "The Daily News" newspaper Co.
Ships within Range announcement.
Weather notes 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.

6WF SATURDAY, OCTOBER 8th.

7ZL, HOBART

Tasmanian Broadcasters, Ltd.

Wave Length, 535 Metres.

Friday

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.
Weather information.
2.15 p.m.—Stock Exchange quotations.
Items of interest; Announcements.
3.15 p.m.—Musical Selections by 7ZL Studio Trio.
4.10 p.m.—Educational Talk.
4.30 p.m.—G.P.O. Clock Chimes.
Close down.

EARLY EVENING SESSION.

- 6.50 p.m.—Children's Corner with the "Radio Lady."
7.15 p.m.—Young Folks' Gardening Chat, by Mr. George Natta.

NIGHT SESSION.

- 7.30 p.m.—Fruit, Poultry and Produce Reports, through the courtesy of Roberts and Co. Ltd., Hobart.
7.35 p.m.—Weekly Gardening Talk, by Mr. George Natta, Glen Nurseries, Canada.
7.50 p.m.—"Mercury" special Tasmanian news service.
Railway Auction Produce Sales.
Hobart Stock Exchange quotations.
8 p.m.—G.P.O. Clock Chimes.
8.1 p.m.—Children's Corner, expounded by Mr. H. W. Newton, of Hobart Sports Depot, Hobart.

FOREIGN BROADCASTERS.

JOCK—Nagoya Radio Broadcasting Co., Nagoya, JAPAN: 340 watts, 1009 watts. (Announcement in English and Japanese).

JOEK—Osaka Central Broadcasting Co., Osaka, JAPAN: 385 metres, 1000 watts. (Announcement in English and Japanese).

JOAK—Tokyo Broadcasting Co., Tokyo, JAPAN, 375 metres, 1800 watts. (Announcement in English and Japanese).

JFC—Batavia Radio Vereninging, BATAVIA, 220 metres, 48 watts.
KZMR—Manila, PHILIPPINE ISLANDS: 413 metres, 1000 watts. (Announcement in English and Philippine).

KGL—"Honolulu Advertiser," Honolulu, HAWAII, 278 metres, 500 watts.
KGO—Oakland, CALIFORNIA: 361.3 metres, 5000 watts.

LEF—Los Angeles, CALIFORNIA, 457 metres, 6000 watts.
KOA—Denver, COLORADO: 342.4 metres, 5000 watts.

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The Mullard Master-Valve with the Wonderful P.M. Filament with English or U.X. Base Remains the Same Price - - - 13/6

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HF and LF Bright Filament	2/- each
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CHARACTERISTICS AS PER THIS TABLE.

Type	2/-	2/-	6/-	6/-	6/-	6/-	6/-
Type	H.F.	L.F.	D06 H.F.	D06 Det.	D06 L.F.	MD06	D3 H.F.
Filament voltage.	3.2—3.8	3.2—3.8	3.0	2.5—3.0	3.0	3.0	1.8—2.0
Filament current, amps.	0.6	0.6	.06	.06	.06	.06	0.3
Anode voltage ...	30—90	30—90	50—125	20—100	30—100	30—100	50—125
Total emission, m/a.	5	5	8.0	8.0	8.0	8.0	8.0
Impedance, ohms.	90,000	30,000	60,000	17,000	17,000	17,000	60,000
Purpose	Radio, also Resistance Coupling	Audio	Radio, also Resistance Coupling	Detector	Audio	Audio	Radio, also Resistance Coupling
Type	D3 Det.	D3 L.F.	MD3	DFA0	DFA1	DFA3	DFA4
Filament voltage.	1.6—2.0	1.8—2.0	1.8—2.0	3.5	5.5	5.5—6.0	3.5
Filament current, amps.	0.3	0.3	0.3	0.35	0.2	.06	0.2
Anode voltage ...	20—100	30—100	30—100	50—100	50—100	50—100	75—125
Total emission, m/a.	8	8.0	8.0	20.0	25.0	15.0	15.0
Impedance, ohms.	16,000	16,000	16,000	7,000	8,300	13,000	27,000
Purpose	Detector	Audio	Audio	Power Amplifier	Power Amplifier	Audio	Resistance Coupling

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Mullard

THE MASTER VALVE

2BL, SYDNEY

Saturday.

EARLY MORNING SESSION.—7 to 8 a.m.

MORNING SPORING.

- 11 a.m.—L.P.O. Clock and Chimes.
Musical Programme from the Studio.
11.15 a.m.—Social Notes, by Mrs. Jordan.
Talk on "Ample Looking for Children" by Mrs. Jordan.

AFTERNOON SESSION.

- Racing Information broadcast immediately after each race, by courtesy of the "Sun."
12 noon.—G.P.O. Clock and Chimes.
Special Ocean Forecast and Weather Report.
12.30 p.m.—Brunswick Pathefrone Musical Revue.

12.30 p.m.—News from the "Sun."

12.45 p.m.—Sporting talk and athletic fixtures.

12.58 p.m.—What's on at the Pictures and Theatres.

1.00 p.m.—Musical programme from the Studio.

1.15 p.m.—News from the "Sun."

1.30 p.m.—Racing Results.

1.45 p.m.—Musical programme from the Studio.

1.55 p.m.—G.P.O. Clock and Chimes.
Musical programme from the Studio.

2.00 p.m.—Sporting talk and athletic fixtures for the day.

2.20 p.m.—Musical programme from the Studio.

2.30 p.m.—G.P.O. Clock and Chimes.

2.45 p.m.—Children and Special entertainment for Children in Hospital.

3 p.m.—G.P.O. Clock and Chimes.
Social Story.

3.15 p.m.—Musical programme from the Studio.

3.25 p.m.—Racing Results.

3.30 p.m.—G.P.O. Clock and Chimes.

3.45 p.m.—Broadcasters' Tea.

4 p.m.—Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes.
Children's Session.

6.30 p.m.—Musical programme from the Studio.

7.15 p.m.—Results of All Sporting and Athletic Information.

7.50 p.m.—Country News from the "Sun."

EVENING SESSION.

8 p.m.—G.P.O. Clock and Chimes.
Broadcasters' Topical Chorus.

8.15 p.m.—Broadcasters' Tea.

8.30 p.m.—Twenty Minutes of Harmony and Humour, by the Quaker Meets.

8.50 p.m.—Society Tunes, by Mr. Basil Kirtz.

9.20 p.m.—Broadcasters' Tea.

9.40 p.m.—The Quaker Meets.

10 p.m.—G.P.O. Clock and Chimes.

10.15 p.m.—Results of Following Day's Programmes.

10.30 p.m.—Broadcasters' Tea.

10.45 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.

3LO, MELBOURNE.

Saturday.

MORNING SESSION.

11 a.m.—JOHNSTON'S STUDIO ROTL—March, "Og Faithful Overture" (Semina-mido).

11.10 a.m.—ELLEN CASTLE, soprano: "Se Saran Rose" (Ardit).

"Lili's Boy" (Nevin).

11.15 a.m.—"CONNIE SOLO":
"Flute"
Soloist, J. Robertson.
March, "Cavalcade of the Clowns."

- 11.5 p.m.—Studio Concert:
Miss Bessie Knight (soprano).
Mr. Becham (baritone).
Miss Bertha Marshall (soprano).
Miss Ruby Foster (pianist).
Miss Edith Henry (soprano).
Mr. Harry Potter (baritone).
Mr. Victor Fharosh (basso solo).
Mr. Norman Carver (clarinet).
12.30 p.m.—Dance on Saturday's Football, by "Snowy" Marsh.
1.40 p.m.—British Official Wireless News.
1.50 p.m.—"Mercury" special Interstate News service.
Ships within wireless range.
Tasmanian District Weather Reports.
9 p.m. Weather Forecasts.
Station announcements.
Travellers' Week-end Information.
National Anthem.

Saturday, Oct. 8
2FC, SYDNEY

EARLY MORNING SESSION.

7 a.m. to 8 a.m.

MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
10.4 a.m.—Studio music.
10.45 a.m.—"Morning Morning Herald" news service.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben" Studio music.
11.15 a.m.—A.A. and Dentist's Cable Services.
11.15 a.m.—Studio music.
11.15 p.m.—A talk on Gardening by Mr. G. J. Lockley ("Bedsman").
11.30 p.m.—Close down.

MIDDAY AND AFTERNOON SESSIONS.

- 12 noon—"Big Ben" and announcements.
12.10 p.m.—Stock Exchange, list, cad.
12.3 p.m.—Studio music.
12.30 p.m.—"Sydney Morning Herald" news service.
Rugby wireless news.
12.35 p.m.—Studio music.
Notes: The 2FC Racing Commissioner will describe in the evening the events of the last day of the Spring Meeting at Randwick.
1 p.m.—"Big Ben" Weather intelligence.
1.3 p.m.—"Evening News" midday news service.
1.50 p.m.—Studio music.

During the afternoon the following musical items will be given:

- The Whitchell Trio (Instrumentalists).
The Wentworth Symphonic Dance Orchestra, under the baton of Mr. Cyril Kaye.
4.30 p.m.—Complete results of the day's sporting events.
5 p.m.—"Big Ben" Close down.

EARLY EVENING SESSION.

- 5.40 p.m.—The Chimes of 2FC.
5.46 p.m.—The "Hello Man" talks to the children.
6.20 p.m.—Story time for the young folk.
6.35 p.m.—Studio music.
6.45 p.m.—"Evening News" late news service.
Weather intelligence.
7 p.m.—A full description of today's Spring Meeting at Randwick, told by the special 2FC Racing Staff.

NIGHT SESSION.

- 7.35 p.m.—Programme announcements.
7.40 p.m.—Lawrence Macaulay, baritone:
(a) "Mankid" (Schubert).
(b) "There was none to match Kerkes" (Gosset).
7.45 p.m.—Madame Emily Marks, soprano.
7.52 p.m.—Harold Hickey, tenor:
(a) "Bird songs at twilight" (Gosset).
(b) "The Star" (Gosset).
8 p.m.—"Big Ben." The Crystal Palace Theatre Orchestra under the baton of Mr. Harry Stone.
8.15 p.m.—Jack Dunno, baritone:
(a) "Cherie I Love You" (Goodman).
(b) "The Smoking Room" (Arundale).

- 8.23 p.m.—Madame Emily Marks, soprano.
8.27 p.m.—Dust, Lawrence Macaulay, baritone and Harold Hickey, tenor:
"Watchman, what of the night" (Sargant).
8.32 p.m.—Description and results of events from the Sydney Royal, (from the R.A.S. Grounds, Sydney).
8.40 p.m.—Lawrence Macaulay, baritone:
(a) "Myself when young" (Lehmann).
(b) Recital number.
8.45 p.m.—Madame Emily Marks, soprano.
8.55 p.m.—THE WENTWORTH SYMPHONIC ORCHESTRA, under the baton of Mr. Cyril Kaye.
9 p.m.—"Big Ben." Latest weather forecast.
9.1 p.m.—Progress results of the Polling in the New South Wales State elections, from the Chief Secretary's Office, Macquarie Street, Sydney).
9.30 p.m.—Harold Hickey, tenor (from the studio).
"A Dream of Happiness" (Aprey).
9.36 p.m.—The Crystal Palace Theatre Orchestra under the baton of Mr. Harry Stone.
9.45 p.m.—Results from Speedway Royal.
9.49 p.m.—Mr. H. Carlo Thomas:
"Time and Rhythm in ballroom dancing."
A talk prepared especially for the occasion.
9.59 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA under the baton of Mr. Cyril Kaye.
10 p.m.—Progress results of the Polling in the New South Wales State elections, from the Chief Secretary's Office, Macquarie Street, Sydney).
10.20 p.m.—Madame Emily Marks, soprano.
10.25 p.m.—Results from Speedway Royal.
10.28 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA.
10.40 p.m.—Jack Dunno, baritone:
1. (a) "Is your eye" (Hilliam).
(b) "Something beautiful" (Hilliam).
2. "OM Pleased Path" (Arundale).
10.48 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA under the baton of Mr. Cyril Kaye.
10.67 p.m.—Late news and announcements.
11 p.m.—"Big Ben." Progress results of the Polling in the New South Wales State elections, from the Chief Secretary's Office, Macquarie Street, Sydney).
11.20 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA, interspersed with musical items from the studio.
12 midnight—"Big Ben" Progress results of the Polling in the New South Wales State elections.

- 12.30 a.m.—Musical items from the studio.
1 a.m.—"Big Ben." Further Progress Results of the Polling in the N.S.W. State elections.
1.20 a.m.—Musical items from the studio.
2 a.m.—"Big Ben." Progress results of the Polling in the N.S.W. State elections.
National Anthem. Close down.

- 12.30 a.m.—Musical items from the studio.
1 a.m.—"Big Ben." Further Progress Results of the Polling in the N.S.W. State elections.
1.20 a.m.—Musical items from the studio.
2 a.m.—"Big Ben." Progress results of the Polling in the N.S.W. State elections.
National Anthem. Close down.

- 12.30 a.m.—Musical items from the studio.
1 a.m.—"Big Ben." Further Progress Results of the Polling in the N.S.W. State elections.
1.20 a.m.—Musical items from the studio.
2 a.m.—"Big Ben." Progress results of the Polling in the N.S.W. State elections.
National Anthem. Close down.

- 12.30 a.m.—Musical items from the studio.
1 a.m.—"Big Ben." Further Progress Results of the Polling in the N.S.W. State elections.
1.20 a.m.—Musical items from the studio.
2 a.m.—"Big Ben." Progress results of the Polling in the N.S.W. State elections.
National Anthem. Close down.

Short Wave Broadcasters

Schedules and Wavelengths Subject to Change.

EG-2NM, Gerald Marcus, Caterham, England, 53 and 83 metres (B.B.C. Programme).

EN-PCJJ, Philips' Experimental Station, Eindhoven, Holland, 80.2 metres (B.B.C. Programme).

NU-2XAF, General Electric Co., Schenectady, New York State, U.S.A., 22.7 metres (W.G.Y. Programme).

NU-2XAG, General Electric Co., Schenectady, New York State, U.S.A., 22 and 52 metres (W.G.Y. Programme).

NI-KDEA, Westinghouse Electric Co., Pittsburgh, Penn., U.S.A., 83.5 and 114 metres.

NI-ULW, Crosley Radio Corporation, Cincinnati, Ohio, U.S.A., 53 metres.

NI-2XAL, "Radio News," New York City, U.S.A., 20.1 metres (WRNY Programme).

FO-JB, Johannesburg Broadcasting Company, South Africa, 20 and 23 metres.

NI-ULW, Crosley Radio Corporation, Cincinnati, Ohio, U.S.A., 53 metres.

NI-2XAL, "Radio News," New York City, U.S.A., 20.1 metres (WRNY Programme).

FO-JB, Johannesburg Broadcasting Company, South Africa, 20 and 23 metres.

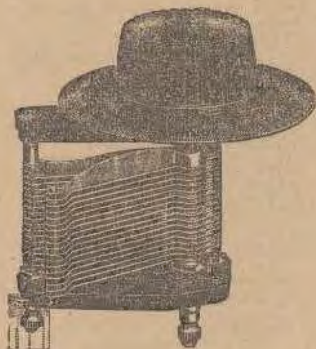
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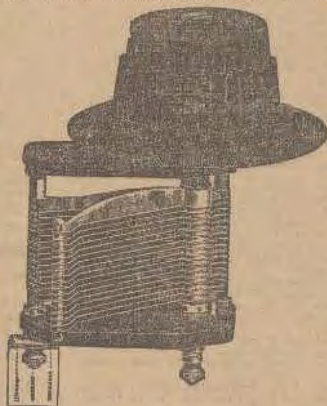
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A BRITISH PRODUCT—BETTER AND CHEAPER

11.55 p.m.—**JOHNSTON'S STUDIO BOYS:**
Selection, "Lucia di Lammermoor."
11.55 a.m.—**ANITA SHAWE**, comedienne:
"What are we waiting for?"
"Me, too."

11.48 a.m.—**JOHNSTON'S STUDIO BOYS:**
Selection, "Madame Pompadour."
11.52 a.m.—**NORMAN PILL**, comedian:
"Johnson's Jubilee."
"The 1189 Express."

12 noon—Time signal. Metal prices, received by the Australian Metals and Metals Association, from the London Stock Exchange, this day. Retail Official Wireless news, from Rayley, Butler's, and the Australian Press Association cables. Argyle news service.

12.30 p.m.—**JOHNSTON'S STUDIO BOYS:**
Waltz, "Singsong."
12.30 p.m.—**NORMAN BRADSHAW**, tenor:
"Who stings me like a wasp?" (Lantz).
"I'm longing for you" (Hallway).

12.57 p.m.—Stock Exchange information.
12.40 p.m.—**STUDIO QUARTETTE:**
Selection, "Widdow" (Radio Song).
12.50 p.m.—**NORMAN PILL**, comedian,
"The Viper's Fancy Ball."
"Domal Dramas."

1 p.m.—**IT'S ONE O'CLOCK.** Let us then be up and doing, and doing to the purpose, so by diligence shall we do more with less perplexity.
1.1 p.m.—**ANITA SHAWE**, comedienne,
"I'll take him back if he wants to come back."
"Take a good girl."

1.8 p.m.—Meteorological information. Shipping Intelligence. Weather forecast for Victoria, Tasmania, New South Wales, and New South Wales. Ocean forecast, River reports, Rainfall for Victoria, Tasmania, South Australia and New South Wales.
1.15 p.m.—**STUDIO QUARTETTE:**
Selection, "The Street Singer."
1.33 p.m.—**EILEEN CASTLES**, soprano:
"Goodbye" (Toni).
"Irish Folk Song" (Fyfe).

1.30 p.m.—Description of Isla Weller, one mile, 1 farthing, V.A.T.C. RACES, CAULFIELD, by "Musket" of "The Sporting Globe."
1.55 p.m.—**JOHNSTON'S STUDIO BOYS:**
Duet, "Excursion" W. Housy and R. Spencer.
1.42 p.m.—**NORMAN BRADSHAW**, tenor:
"Ah, Moon of my Delight" (Lohman).
"Serenade."
1.49 p.m.—**STUDIO QUARTETTE:**
Selection, "The King's" (Radio Song).
1.54 p.m.—**JOHNSTON'S STUDIO BOYS:**
"Russian Cradle Song."

2 p.m.—Close down.
2.30 p.m.—Description of Debutante Stakes, 666 furlongs, V.A.T.C., CAULFIELD, by "Musket" of "The Sporting Globe."
2.55 p.m.—Description of LEAGUE FOOTBALL, Grand Final Match, at M.C.C., by MR. ROD MCGREGOR.
2.45 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—**JOE ARONSON AND HIS SYNO-COPATING SYMPHONISTS:**
1.5 p.m.—Description of Caulfield Stakes, W.F.A. 1 mile, 1 farthing, V.A.T.C., CAULFIELD, by "Musket" of "The Sporting Globe."
2.15 p.m.—**JOE ARONSON AND HIS SYNO-COPATING SYMPHONISTS:**
2.25 p.m.—Description of LEAGUE FOOTBALL, Grand Final Match, at M.C.C., by ROD MCGREGOR. Quarter-time.
2.45 p.m.—Description of Kingwood Steeple, 2 miles, V.A.T.C., CAULFIELD, by "Musket" of "The Sporting Globe."
2.50 p.m.—**JOE ARONSON AND HIS SYNO-COPATING SYMPHONISTS:**
2.55 p.m.—Description of Caulfield Stakes, one mile, V.A.T.C., CAULFIELD, by "Musket" of "The Sporting Globe."
3 p.m.—Description of LEAGUE FOOTBALL, Grand Final Match, at M.C.C., by ROD MCGREGOR. Three-quarter-time.
3.40 p.m.—**JOE ARONSON AND HIS SYNO-COPATING SYMPHONISTS:**
3.45 p.m.—"Herald" news service.

5.5 p.m.—Description of Toorak Handicap, one mile, V.A.T.C., CAULFIELD, by "Musket" of "The Sporting Globe."
3 p.m.—Final Score, LEAGUE FOOTBALL—Grand Final Match, at M.C.C., by ROD MCGREGOR.
During the afternoon the progress of the 145 mile cycle race, Warrnambool to Melbourne, will be broadcast.
6.15 p.m.—Close down.

EVENING SESSION.

CHILDREN'S HOUR.
5.30 p.m.—Sporting results.
5.40 p.m.—Answers to Letters and Birthday Greetings by "LITTLE MISS KOOKABURRA."
6.10 p.m.—**STUDIO QUARTETTE:**
"Nursery Rhymes" (Tobson).
6.20 p.m.—MR. W. D. BUTCHER will give a talk on "Stamp Collecting."
6.35 p.m.—**STUDIO QUARTETTE:**
"Radio Song."
6.40 p.m.—"Herald" news service. Weather reports. Shipping movements.
6.45 p.m.—Stock Exchange information.
6.50 p.m.—Market reports.
6.55 p.m.—River reports.
6.50 p.m.—Newmarket Sheep sales by Associated Stock and Station Agents, Bourke Street, Melbourne. Market reports by the Victorian Producers' Co. Ltd., Poultry, Grain, Straw, Jute, Dairy Produce, Potatoes, and Hides.
7.10 p.m.—Market reports of Fruit by the Victorian Fruiters' Association.

NIGHT SESSION.

7.15 p.m.—MR. E. M. PASCOE will speak on "Bowls."
7.20 p.m.—MR. E. E. ESCOTT will speak on "Australian Blue Lichen-sensitisation and its Relations."
7.45 p.m.—DR. J. LEACH, "Australian Genee." Announcements.
8 p.m.—THE HEALTH ASSOCIATION'S MESSAGE FOR TO-DAY is: "Strength comes from the kitchen and not from the chemist's shop."
8.45 p.m.—**STUDIO QUARTETTE:**
"There is a green hill far away" (Gunnod).
8.49 p.m.—**MADAME GREGOR WOOD:**
"The Sprite's Song" (Haydn).
"The Fairy's Road Song" (Novello).
8.47 p.m.—**STATION TRIO:**
"Dance of the Desert Girl" (Hadley).
8.55 p.m.—MR. GREGOR WOOD:
"My Heart's Desire" (Clarke).
"On the Road to Mandalay" (Speaks).
8.52 p.m.—**STUDIO QUARTETTE:**
"La Belle Gavotte" (Grandjean).
8.40 p.m.—A Special Programme has been arranged.
10.15 p.m.—**STUDIO QUARTETTE:**
"Balm of Gilead."
10.25 p.m.—**MADAME and MR. GREGOR WOOD:**
Duet, "Who is Sylvia" (Treaton).
10.35 p.m.—**STUDIO QUARTETTE:**
"Tantal Oava" (Gruhn).
10.45 p.m.—Lisle Sporting results.
ROYAL AUTOMOBILE CLUB OF VICTORIA'S SALVOY MESSAGE for to-day is: "You have no right to take a chance—the other fellow may have to take the consequence."
11 p.m.—**OUR GREAT THOUGHT:**
"It is a mistake to suppose that men succeed through success, they much succeed through success through a hard struggle."
11.1 p.m.—**JOE ARONSON AND HIS SYNO-COPATING SYMPHONISTS.**
11.40 p.m.—**GOD SAVE THE KING.**

EARLY EVENING SESSION.
FROM THE "IDOL."
6.30 p.m.—Bedtime Stories by "Uncle Tom."
FROM THE "IDOL."
7.15 p.m.—Racing Results.
7.30 p.m.—Today's Football play described.
7.50 p.m.—Ballad Notes, by Mr. F. Smith.

NIGHT SESSION.

"THE BOHEMIANS."
A Programme by "The Bohemians" (conductor, Mr. Tom Muller):
FROM THE "STUDIO."
8 p.m.—Bedtime Stories by "The Red Star of the Komany" (Sanderson). Mr. H. Gwynne, male quartette, "Thurstonian Volkslied" (Bray Abbey). "The Bohemians" a soprano solo, "Spring With Return with You" (OTTEN). Miss Thelma Champion; cynical monologue, "The Wagon" Mr. T. L. Muller; tenor solo, "A Dream" Mr. Geo. Williamson; duet, "The British Empire" Mr. H. Gwynne and Mr. E. Harper; soprano solo, "Ten Thousand Years from Now" (Hall). Miss Thelma Champion; baritone solo, selected, Mr. Ray Bruce; musical monologue, "His Most Loyal Frasers," Mr. T. L. Muller; male quartette, "Nelly was a Lady, Old Plantation Melody"; tenor solo, "The Lost Watch" (Hensell). Mr. E. Gwynne; baritone solo, "Macaulay," Mr. Ray Bruce; male quartette, "Rust, Desert, Rest," "The Bohemians."
FROM DAVID LARK SPEEDWAY.
9 p.m.—Motor Cycle Races.
FROM LEONN'S HOTEL.
9.30 p.m.—Dance Music.
FROM THE "STUDIO."
10 p.m.—"The Sunday Mail" news. Weather news.
Close down.

5CL, ADELAIDE.

Saturday.
11 a.m.—Close.
11.1 a.m.—Studio Music.
11.18 a.m.—"Advertiser" news service.
11.26 a.m.—Studio music.
11.35 a.m.—"Advertiser" news service.
11.55 a.m.—Studio music.
12 noon—Chimes, Station Announcements, and Close down.

AFTERNOON SESSION.
12.45 p.m.—Relay running description of the S.A. Jockey Club Meeting by Mr. Arnold Treloar, interspersed with Interstate Sporting results and Mutual numbers.
4.32 p.m. (approx.)—Close down.

EVENING SESSION.

6 p.m.—Chimes.
6.1 p.m.—Relay from the Covent Garden Restaurant, Dinner music.
6.30 p.m.—Bedtime Stories.
7.20 p.m.—The Hon. Walter Duncan will speak on "Annual Week."
7.35 p.m.—Messrs. A. C. Ward & Co.'s Stock Exchange Intelligence; Market reports by Messrs. A. W. Sandford & Co., A. F. Hall & Co., Dalrymple & Co., S. A. Farmers' Co-operative Union, Taylor Bros., Retail Grocers' Association, J. H. Young's special report on the Tomato market. Interstate Fruit and Produce Marketing Company, Ltd. (approx.) closing information.
8 p.m.—Chimes.
8.1 p.m.—Talk by the Rev. G. E. Hale, B.A.
8.15 p.m.—Ted Jenkins, Baritone.
8.22 p.m.—"Advertiser" News Service.
8.30 p.m.—Relay from the Exhibition Building—Description of the Boxing.
8.40 p.m.—Relay from Geneip—The Maison Danse.
9 p.m. (approx.)—Relay from the Exhibition Building—by kind permission of the management a description of the wrestling will be given.
10.40 p.m. (approx.)—From the Studio. General Sporting information.
10.50 p.m.—Relay from Geneip: The Maison Danse Band.
11.15 p.m.—To-morrow's programme. Station announcements. Meteorological Information, National Anthem.

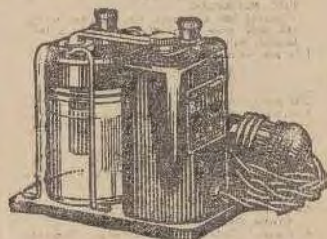
4QG, BRISBANE.

Saturday
NO MIDDAY TRANSMISSION.
AFTERNOON SESSION.
8.30 p.m.—A Matinee for Little Listeners, by "Miss Waratah."
8.50 p.m.—Close down.

Standard Throughout the Radio World

 NOW ONLY

£3/10/-



 NOW ONLY

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Trickle Charging began with Balkite and Balkite still leads in popularity, service and number in use

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 ampere.

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

Balkite Trickle Charger. Over 400,000 in use. Charging Rate about 1 ampere. As a Trickle Charger automatically keeps your "A" Battery fully charged.

Price £3/10/-

Balkite "B" eliminates "B" Batteries entirely, and supplies silent permanent "B" current from the light socket. Over 150,000 in use.

MODEL W for up to 5 valves £11/10/-

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The Famous **Balkite B** Eliminator

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Model W up to 5 Valves **£11/10/-** Model X for large Sets **£16/15/-**

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W. E. PETERMAN, 160 Edward St., Brisbane.

6WF, PERTH.

Saturday.

12 noon.—Tune In.
12.15 p.m.—Musical programme, including pianoforte selections by Miss Evelyn White, A.R.C.M.
12.47 p.m.—Marketa, Nowa, and Cables.
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.—Close down.
1.15 p.m.—Tune in.

SPORTING SESSION

2.50 p.m.—Quarter time sports of the Semi-final football match.
Racing results.
6.30 p.m.—Close down.
6.45 p.m.—Tune In.
6.50 p.m.—Birthday greetings by Uncle Sam and Duffy.
7.10 p.m.—Sports results.
7.20 p.m.—Marketa, Nowa and Cables.
7.45 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.
MUSIC AND SONGS.
8.1 p.m.—Musical programme, including vocal and instrumental numbers.
Dance music by Cyril Smith and his dance orchestra, relayed from the Perth Palais Royal.
12 p.m.—Late news items by courtesy of "The Daily News" Newsprint Co.
Ships within range, announcement.
Weather report and forecast.
10.30 p.m.—Close down.

7ZL, HOBART

Saturday.

MORNING SESSION—11 a.m. to 12 noon.
AFTERNOON SESSION.
8 p.m.—Broadcast by direct wire from North Hobart Oval. Eye-witness description of State Premiership Football Match, by "Sawney" Marsh.
NIGHT SESSION.
7.30 p.m.—Musical selection.
7.45 p.m.—Talk under the auspices of the Hobart Development League.
7.50 p.m.—"Mercury" special Tasmanian News Service.
Railway Auction Produce Sales. Weather information.
Hobart Stock Exchange quotations.
8 p.m.—G.P.O. Clock Chimes.
8.15 p.m.—Dance numbers by Mrs. Sheppard's Trio from Imperial Hotel, Hobart.
News interspersed from the Studio.
10.30 p.m.—Direct Official Wireless News.
Weather information.
Studio announcements.
National Anthem.

Sunday, Oct. 9
2FC, SYDNEY

10.30 a.m.—Programme Announcements.
10.40 a.m.—The Bells of St. Mark's.
11.0 a.m.—"Big Ben", The Morning Service from St. Mark's, Darling Point (Proctor), Canon St. Howard Lee.
12.15 p.m.—From the Studio News Studio.
12.30 p.m.—Close Down.
AFTERNOON SESSION.
2.15 p.m.—The Chimes of Elton and Programme Announcements.
2.30 p.m.—Mr. C. Gordon Lavers will continue his series of talks on Composition, starting this afternoon with "Shape or Musical Form."
3.0 p.m.—From the Lyceum Hall, Pitt Street, Sydney & Pleasant Sunday Afternoon Service arranged by the Central Methodist Mission.

4.30 p.m.—From the Band Rotunda, Manly Beach. Items from the Manly Municipal Band. Conducted by Mr. J. Pheloung.
4.6 p.m.—"Big Ben"; Close Down.

EVENING SESSION.

6.0 p.m.—"Big Ben" and Programme Announcements.
6.6 p.m.—Nellie Ravens, Contralto: "Sung Cycle, 'Perceval and Peisey'" (Woodley).
1. "A Nanking Bowl"
2. "A Sol of Sevens."
3. "Deft Waltz."
6.35 p.m.—Captain Fred Aurora will conclude his series of talks on Biographical Comparisons. Subject: "Peter the Great Compared with Frederick the Great."
6.50 p.m.—Nellie Ravens, Contralto, concluding items in the Song Cycle "Perceval and Peisey" (Woodley):
4. "Mignon's Letters."
5. "Old Chelsea."
6.37 p.m.—James Donnelly, Tenor will continue his illustrated musical talks dealing with the development of Negro Music.

NIGHT SESSION.

6.48 p.m.—Announcement.
6.45 p.m.—From the Pitt Street Congregational Church, Sydney. Organ Solo by Mr. E. J. Robinson.
7.0 p.m.—"Big Ben"; The Evening Service from the Congregational Church, Pitt Street, Sydney. Preacher, Rev. T. E. Ruth.
8.00 p.m.—From the Band Rotunda, Manly Beach & Programme by the Manly Municipal Band. Conducted by J. Pheloung.
8.20 p.m.—From the Studio: The Conservatorium Ladies' String Quartette.
Muriel Buchanan Violin
Dorothy Curran Violin
Florence Forshaw Violin
Kessamund Crawford Viola
9.40 p.m.—Mabel Butcher, Soprano.
9.47 p.m.—The Conservatorium Ladies' String Quartette.
9.50 p.m.—James Donnelly, Tenor.
10.0 p.m.—The Conservatorium Ladies' String Quartette.
10.12 p.m.—Mabel Butcher, Soprano.
10.20 p.m.—The Conservatorium Ladies' String Quartette.
10.30 p.m.—National Anthem; Close Down.
At the Pitcho; Horace Keats.

2BL, SYDNEY

Sunday.
10.15 a.m.—Morning Session.
11 a.m.—Service broadcast from St. Jude's Church of England, Randwick.

AFTERNOON SESSION.

2 p.m.—G.P.O. Clock and Chimes.
Children's Session.
2.45 p.m.—B.M.V. Gramophone Section.
2.55 p.m.—Infant-Service.
3 p.m.—G.P.O. Clock and Chimes.
3.15 p.m.—Afternoon Service broadcast from Methodist Church, Willoughby.
4.30 a.m.—Bible Class, conducted by Mr. W. "Cairo" Dralloy.
6.15 p.m.—G.P.O. Clock and Chimes. Close down.

EARLY EVENING SESSION.

6.45 p.m.—Children's Service.
7 p.m.—Service broadcast from Methodist Church, Willoughby.

EVENING SESSION.

6.50 p.m.—Broadcaster's Trio.
6.57 p.m.—My Little Herford (haritone).
6.57 p.m.—Miss Dulcie Blair (violinist).
8.01 p.m.—Miss Ella Goodman (soprano).
8.11 p.m.—Weather Report and Forecast, by courtesy of Mr. C. J. Marry, Govt. Meteorologist.
8.2 p.m.—Mr. Bryce Carter (cello solo).
8.9 p.m.—Mr. Frank Hatcher (dramatic entertainer).
8.15 p.m.—Broadcaster's Trio.
8.20 p.m.—Mr. Leslie Herford.
8.38 p.m.—Miss Dulcie Blair.

9.10 p.m.—Miss Ella Goodman.
9.47 p.m.—Mr. Bryce Carter.
9.54 p.m.—Mr. Frank Hatcher.
10.1 p.m.—Reviews of following Day's Programme.
10.3 p.m.—Broadcaster's Trio.
10.15 p.m.—G.P.O. Clock and Chimes. National Anthem.

2GB, SYDNEY

Sunday.
MORNING SESSION.
10.10 a.m.—Music from St. Alban's Laboral Catholic Church.
10.30 a.m.—Service from St. Alban's Church, Redfern.
12 noon.—Close down.

EVENING SESSION.

6.40 p.m.—Music from Studio.
7 p.m.—Lecture from Adyar Hall.
7.30 p.m.—Vivian Stone, MCGIGA, HORDER.
1. "Londonderry Air" (Larc by Kreisler).
2. "Blavime Dance" (Dvorak-Kreisler).
8 p.m.—Songs by Miss KATHLEEN BLAY.
8.15 p.m.—Patience Solo by MISS ADA BIDDICK.
1. "Nocturne" (Chopin).
2. "Gimnasia" (Liszt).
8.25 p.m.—Violin Solo by DAN SCULLY.
1. "Magnificat" (Bach).
2. "Minuet" (Bach).
8.35 p.m.—Songs by MISS KATHLEEN BLAY.
8.40 p.m.—Address.
10 p.m.—Close down.

2UW, SYDNEY

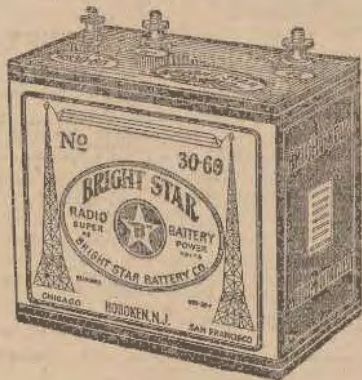
Sunday.
10.30 a.m.—"Ah Mieux de My Deight" ("In a Persian Garden"). Tenor solo.
10.35 p.m.—"Friedrich in Wat Minor" Op. 23, No. 10. Baitanep (Chop), Pianoforte solo.
10.41 p.m.—Studio selection.
10.48 p.m.—"Song of the Velea Boatman". Bass solo.
10.51 a.m.—"Trot Voo plo sa"—Barbette et Siviglia (Huglin). Soprano solo.
10.58 p.m.—"I'm in the Only" with Thine Eyes" (Huglin). Tenor solo.
11.05 a.m.—"Novalotte" Op. 21, No. 1 (Schumann). Pianoforte solo.
11.11 a.m.—"Clary Stone" Rigoletto (Verdi). Soprano solo.
11.26 a.m.—Studio selections.
11.35 a.m.—"Minuet No. 1. (Paderewski). Band selection.
11.41 a.m.—"Believe me if all these endearing young charms," Harry solo.
11.45 a.m.—"Quatro in D, Minor" (Noart), String Quartet.
11.51 a.m.—"Spring Song" (Montelschn). Band selection.
11.55 a.m.—Studio selection.
12 noon.—"Come Back to Erin" (Oskar-Kuhl-Schiff). Harp solo.
12.0 p.m.—"Quartet in G Major" (Dittersdorf-Andante). String Quartet.
12.10 p.m.—Studio items.
12.20 p.m.—Resume of evening programme.
12.30 p.m.—Close down.
7 p.m.—Studio selections.
8 p.m.—"Calcutt Dm." Steel Guitars.
8.15 p.m.—"Halla Medley" Fox trot.
8.5 p.m.—"Les Laves" "Moomers" Orchestra.
"Take in the Sun" Fox trot.
8.15 p.m.—Soprano selection.
8.20 p.m.—"Les Laves" "Moomers" Orchestra.
"Oh if I only had You" Fox trot.
8.20 p.m.—Miss Helen Mackenzie. Talk on "Chironomy."
8.35 p.m.—"Les Laves" "Moomers" Orchestra.
"Moukuk lark."
8.45 p.m.—"Gordon Dan" steel Guitars.
10.1. 2. 3. 4. Waltz.
10.1 "Dun" "Les Laves" "Moomers" Orchestra.
8.02 a.m.—"Les Laves" "Moomers" Orchestra.
"Don't you understand"
8.12 a.m.—Studio selection.
8.15 p.m.—"Gordon Duo" Steel Guitars.
"Prigoni Medley."
8.12 p.m.—Studio selection.
8.23 p.m.—Resume of forward programme.
8.30 p.m.—Close down.

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have NEVER been BUILT



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A Battery, 11 Volt



Triple Duty, 45 Volts, Price 33/-

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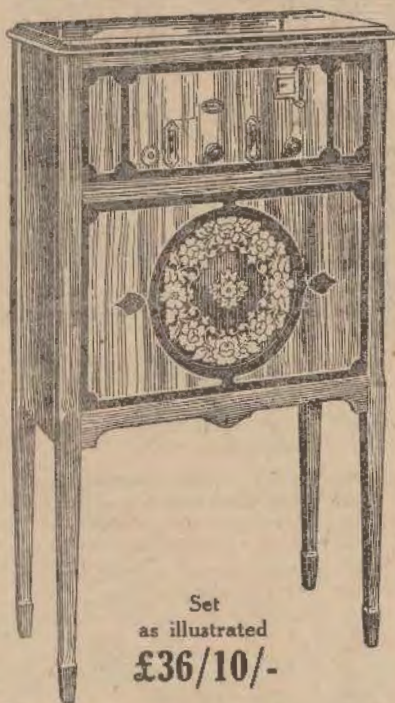
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CROSLEY 6-85 == 6 VALVE SET



Set
as illustrated
£36/10/-

*For those who demand
PERFECTION*

A SIX-VALVE, single control radio, installed in a beautiful console cabinet, with built-in reproducer—a genuine Crosley Musicone—for but £36/10/-. The very radio you have been waiting for at a ridiculously low price. This is a really long distance receiver, capable of bringing in stations from coast-to-coast. Its single dial control makes tuning a very simple matter, and its many exclusive Crosley features combine to form a radio that meets the requirements of the most particular radio listeners. The set consists of three stages of radio frequency amplification, detector and two stages of audio frequency, a circuit unexcelled for perfect reception. All stations can be found instantly on the one control, which revolves smoothly under light pressure. It is so designed as to permit use of a power valve in the last audio frequency stage. In addition there are the now-famous Crosley Acuminators and the Crescendon and many other attractive features found only in very high priced equipment.

Six Outstanding Features of the 6-85

There are six features in the six valve 6-85 which combine to make the set so exceptionally efficient.

FIRST—SINGLE DIAL CONTROL. All stations found instantly on this one control.

SECOND—METAL SHIELDED CHASSIS. This provides fool-proof, substantial casing for the electrical units and insures quiet operation.

THIRD—ACUMINATORS. These provide means for obtaining super selectivity in tuning in distant stations.

FOURTH—POWER TUBE ADAPTABILITY. Permits use of power valves in last stage of audio frequency.

FIFTH—CRESCENDON. An exclusive Crosley device which permits building up of volume to such an extent that signals, inaudible on other receivers, fill an entire room.

SIXTH—BEAUTIFUL CABINET. The cabinet is of beautiful two-tones Mahogany, with exquisite satin finish.

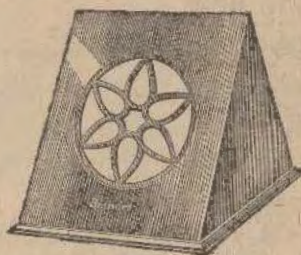
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Brandes Tablecone



THE TABLECONE

The Cone is housed in an attractive Cabinet of unique design, which has a walnut finish. The circular diaphragm has an extremely sensitive driving unit which brings a wealth of volume with pure and effortless ease. The magnet in the cone unit is unusually large.

The instrument is supplied complete with cord connection and is a proposition of excellent value.

It has a genuine claim to be better than any similar instrument at the price.

Height, 10in.; breadth, 9 $\frac{1}{2}$ in.; depth, 11 $\frac{1}{2}$ in. (at base).

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229 CASTLEREAGH STREET, SYDNEY

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

3LO, MELBOURNE.

Sunday. MORNING SESSION.
 10.30 a.m.—Express Train Advertisement.
 Hells from St. Paul's Cathedral.
 10.45 a.m.—MORNING SERVICE FROM ST. PAUL'S CATHEDRAL.
 Psalm 124, 81.
 Te Deum and Jubilate, Noble by B. Minors.
 ANTHEM: "Blessed are they that mourn for they shall have comfort."
 "They that sow in tears shall reap in joy."
 "Who grieve forth and weepeth, and beareth precious seeds, shall doubtless return with rejoicing, and bring his sheaves with him."
 "Blessed are they that mourn for they shall have comfort."
 Hymn from the "Iniquities" (by Brahms).
 Hymn before Sermon—"Awake my soul and with the sun."
 Hymn after Sermon—236, "Brief life is here our portion."
 12.15 p.m.—British Official Wireless News from Itaby.
 12.20 p.m.—Close down.

AFTERNOON SESSION.
 2 p.m.—PLEASANT SUNDAY AFTERNOON FROM WESLEY CENTRAL MISSION, LONGDALE STREET, MELBOURNE.
 Chairman: REV. DR. S. J. HOBAN.
 Hymns: "O King of Kings."
 Prayer: Rev. J. A. GAIN.
 Orchestral Selection.
 Hymn: "God Bless Our Native Land."
 Solo, Miss Mabel White.
 Orchestral Selection.
 Solo, Miss Mabel White.
 "I think" (D'Almeida).
 Notices.
 Offering.
 Orchestra.
 ADDRESS: DR. J. W. SPRINGTHORPE:
 "The Old Country."
 National Anthem.
 Benediction.
 4.30 p.m.—Close down.

EVENING SESSION.
 8.30 p.m.—Answers to Letters and Birthdays (written by "BILLY BUNNY").
 9 p.m.—"THE PIED PIPERS" will now give their programme of Hymns and other musical items.
 Chorus: "Shepherd of Souls."
 In our Garden.
 Solo: "A Bush Fullaby."
 Two little animal songs:
 "Three Little Mice."
 "The sheep and the boy."
 Solo: "Steal Away."
 Hymns: "The Children's Angel."
 Chorus: "A French Lullaby."
 Hymns: "That Good is Prayer."
 10.15 p.m.—"BROTHER BELL" will talk to the boys and girls about—
 "We're Quins."
 10.30 p.m.—Hells from St. Paul's Cathedral.

NIGHT SESSION.
 9 p.m.—EVENING SERVICE FROM WESLEY CHURCH, LONGDALE STREET, MELBOURNE.
 Introit: "The Lord is in His Holy Temple."
 Prayer: "The Outer Gate."
 Hymn: "Spirit Divine, attend our Prayers."
 Prayer: "The Inner Court."
 Anthem.
 Scripture Reading.
 Intercessions.
 Offerings.
 Anthem.
 Hymns: "O Word of God Incarnate."
MONTHLY BOOK SERMON—
 REV. G. IRVING BENSON—
 "THE PASSING OF THE THIRD FLOOR BACK."
 (Book Sermon repeated by request.)
 Hymns: "That mystic word of Thine."
 Benediction.
 Sevenfold Amen.

FROM THE STUDIO—
 8.30 p.m.—THE BRITISH ASSOCIATION'S MESSAGE TO YOU for to-day is—
 "Do not think that you can sleep almost all day Sunday, and make up for the late nights of the week before, it does not work out this way."

8.31 a.m.—VICTORIAN PUBLIC SERVICE MILITARY BAND: (Conductor, W. C. D. THOMAS).
 March, "Chic-a-bang."
 8.32 p.m.—ALLAN MITCHELL, Tenor: "The Star" (Rogby); "Invincible" (Hobu).
 8.45 p.m.—VICTORIAN PUBLIC SERVICE MILITARY BAND.
 Selection: "Rose Marie."
 8.56 p.m.—MADAME ELLA KINGSTON, soprano: "My Blue River Path" (Arie); "Fentecost" (Johann Sebastian Bach).
 9.3 p.m.—AGNES FORTUNE AND REGINALD BRADLEY, Piano and Violin: "Meditation" (Godeaux); "Minute" (Fuderevski-Kreider); "Nocturne Op. 9" (Chopin-Amer).
 9.15 p.m.—ALLAN MITCHELL, tenor: "The Troop" (Hobu); "A Farewell" (Liddle).
 9.23 p.m.—VICTORIAN PUBLIC SERVICE MILITARY BAND.
 Selection: "Hires of Prunace."
 9.32 p.m.—MADAME ELLA KINGSTON, soprano: With Violin obligato—REGINALD BRADLEY.
 "God Touched the Rice."
 9.38 p.m.—VICTORIAN PUBLIC SERVICE MILITARY BAND:
 Selection: "Musical Switch."
 9.50 p.m.—"Avenue" news service. Announcements.
THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S PARTY MESSAGE FOR TO-DAY IS FOR—
 PEDESTRIANS:—"It is dangerous to change horses in the middle of the stream. More dangerous to change your mind in the middle of the street."
 10 p.m.—OUR GREAT THOUGHT: "Write them down, keep a good tongue in thy head."—Shakespeare.
GOD SAVE THE KING.

4QG, BRISBANE.

Sunday.
EARLY MORNING SESSION.
CHURCH SERVICE.
 The Early Morning Service will be relayed from St. Barnabas' Church of England, Waterworks Road, Brisbane.
FROM ST. BARNABAS':
 7.30 a.m.—Holy Eucharist; Introit, Psalm 8; Epistle, Ephesians, ch. 4, verses 1 to 4; Holy Gospel, St. Luke, ch. 24, verses 1 to 11; Hymns, 199, 202, 107.
 8.40 a.m.—Close down.

MORNING SESSION.
ST. BARNABAS' CHURCH.
 The complete Morning Service will be relayed from St. Barnabas' Church of England, Waterworks Road, Red Hill (preacher, the Rev. Canon Garland).
FROM ST. BARNABAS':
 11 a.m.—Holy Eucharist, sung by congregation to Mervyn's music; Epistle and Gospel as usual; Hymns, 287, 274, 197, 316, 224.
 12.30 p.m.—Close down.

AFTERNOON SESSION.
EXCELSIOR BAND.
 The Concert by the Excelsior Band will be relayed from the Botanic Gardens.
FROM THE BOTANIC GARDENS:
 2.15 p.m.—Band Concert.
 4.30 p.m.—Close down.

NIGHT SESSION.
ST. BARNABAS' CHURCH.
 The complete Evening Service will be relayed from St. Barnabas' Church of England, Brisbane.
FROM ST. BARNABAS':
 7 p.m.—Children's Service. Hymns: "Early I Believe and Truly," and 265 and 248.
 7.30 a.m.—Evenings: Psalm 18 and 10; 1st and 2nd Lessons, ch. 25, verses 10 to end; Magnificat; second lesson, St. John, ch. 14; New Testament; Hymns, 217, 477, 302, 316; Book of Common Prayer Hymns—Ancient and Modern; preacher, Rev. Canon Garland.
 8.30 p.m.—Benediction.

HAND CONCERT.
 At the invitation of the Church Service, the Concert by the Irishman Municipal Concert Band (conductor, Mr. E. Jackson) will be relayed from William Park. The programme will include: Overture, "Zingari" (Cava) (Mendelssohn); selection, "Lucia di Lammermoor" (Donizetti); "Syrjan Dance" (Lammermoor).
 9.30 p.m.—Close down.

6WF, PERTH.

Sunday.
 10.45 a.m.—Time in.
 11 a.m.—Morning service relayed from The Trinity Congregational Church, St. George's Terrace, Perth.
 12.15 p.m.—Close down.
 2.00 p.m.—Time in.
FROM THE STUDIO—
 2.30 p.m.—Musical programme, including vocal and instrumental articles.
 4.00 p.m.—Close down.
 7 p.m.—Time in.
 7.30 p.m.—Children's bedtime stories.
 7.30 p.m.—Evening service relayed from the Park Street Church of Christ, Perth.
AT THE BOTANIC GARDENS:
 8.45 p.m.—Musical programme, including vocal and instrumental numbers.
 10.5 p.m.—Close down.

7ZL, HOBART.

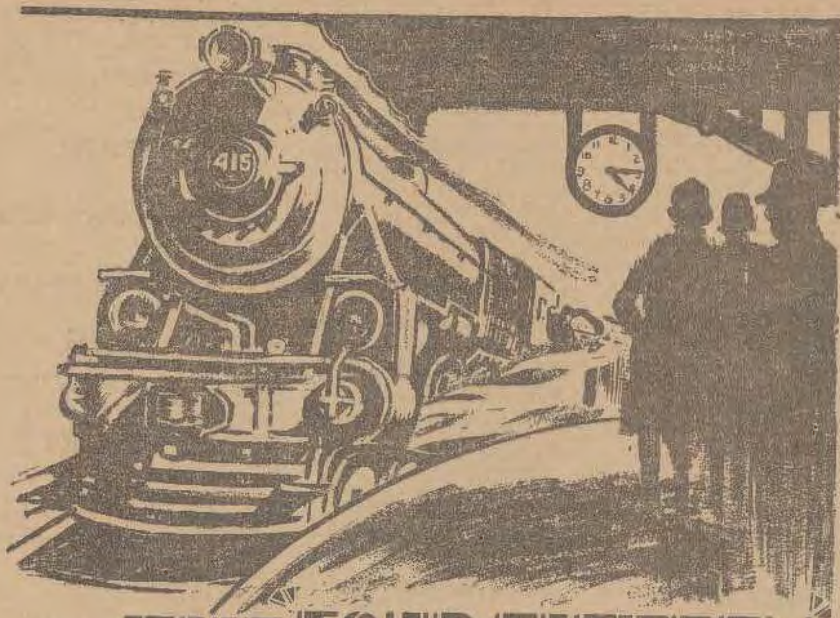
Sunday.
MORNING SESSION.
 11 a.m.—Church Service from St. David's Cathedral.
 At conclusion of Church Service Post-Express information.
 Close down.

AFTERNOON SESSION.
 1.30 p.m.—Pleasant Sunday-Afternoon Concert from the Studio.
 4.00 p.m.—Close down.
EARLY EVENING SESSION.
 6.30 p.m.—Children's Corner, by the "Sunday Lady."
NIGHT SESSION.
 7 p.m.—Church Service from Unshiners Presbyterian Church, Hobart.
 Preacher, Rev. H. Carrall.
 Anthem: "The Hissous Lives of Early Days."
 Soloist, Mrs. A. C. McDonald.
 Quartette, Mrs. A. C. McDonald (soprano), Mrs. Grimmond (contralto), Mr. Eric Stranger (tenor), Mr. D. Fraser (bass).
 At conclusion of Church Service, Concert from the Studio:
 Mrs. Ken Dyer (mezzo-soprano), Mrs. Jack Green (soprano), Mrs. G. E. Kingston (contralto), Miss Joan Deobis (pianissimo), Mr. Frank Dalton (baritone), Miss Ruby Pinner (pianist).
 8.40 p.m.—"The Mercury" special interstage News Service.
 British Official Wireless News.
 Station announcements.
 National Anthem.

Monday, Oct. 10

2FC, SYDNEY.

EARLY MORNING SESSION.
 7 a.m. to 8 a.m.
MORNING SESSION.
 10 a.m.—"Big Ben" and announcements.
 10.5 a.m.—Solo music.
 10.15 a.m.—"Sydney Morning Herald" news service.
 10.30 a.m.—Stadio music.



THE FOUR FIFTEEN ARRIVES!

[A415 SUPER DETECTOR]

UP with those signals—for the "Four Fifteen" is here! Philips new wonder valve is a triumph indeed. Test this statement by plugging it into the detector socket of your radio set. Previously inaudible signals will jump into life, and the just audible ones will now fill your speaker.

Now follow it with another "Four Fifteen," and in an instant you will gain a new appreciation for Radio Reproduction.

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PHILIPS RADIO

PRICE .. 20/-

(Avec 7814)

10.35 a.m.—Last minute sporting information by the 2FC racing commissioner.
 10.40 a.m.—Studio music.
 11 a.m.—"Big Ben." Marching music for school children.
 11.5 a.m.—A.P.A. and Butcher's cable services.

11.15 a.m.—A reading.
 11.30 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
 12.30 p.m.—Stock Exchange, first call.
 12.35 p.m.—Weather forecast. Buffalo.
 12.5 p.m.—Studio music.
 12.10 p.m.—Summary of "Sydney Morning Herald" news service.
 12.15 p.m.—Rugby wireless news.
 12.30 p.m.—Marching music for school children.
 12.40 p.m.—Kathleen Stolley, mezzo.
 12.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO.

12.55 p.m.—Studio music.
 1 p.m.—"Big Ben." Weather intelligence.
 1.3 p.m.—Evening News' midday news service.

Producers' Distributing Society's reports.
 1.20 a.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.—Kathleen Stolley, mezzo.
 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 programme announcements.
 2.5 p.m.—Freda Fish, violin solo.
 3.10 p.m.—Margaret Hunt, soprano:
 "Will o' the Wisp" (Spruce).

3.15 p.m.—A talk on "Safety First."
 3.20 p.m.—Miss Catholou, mezzo.
 3.25 p.m.—Freda Fish, violin solo.
 3.30 p.m.—Marching music for school children.
 3.40 p.m.—Marnie Rooney, contralto:
 "Quiet" (Sanderson).

3.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 3.55 p.m.—Miss Catholou, mezzo.
 4 p.m.—Florence Gray, soprano.

4.05 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 4.15 p.m.—Margaret Hunt, soprano:
 "Denon" (Stranger).

4.20 p.m.—Marnie Rooney, contralto:
 "The Garden of Sleep" (de Lara).
 4.25 p.m.—THE OAK HALL INSTRUMENTAL TRIO.

4.35 p.m.—Freda Fish, violin solo.
 4.40 p.m.—Florence Gray, soprano.
 4.45 p.m.—Stock Exchange, third call.
 4.47 p.m.—Freda Fish, violin solo.
 4.52 p.m.—Popular records from the Studio.
 5 p.m.—"Big Ben."
 Close down.

EARLY EVENING SESSION.

5.40 p.m.—The Chimes of 2FC.
 5.45 p.m.—The "Hello Man" talks to the children.
 6.30 p.m.—Story time for the young folk.
 6.30 p.m.—Studio music.
 6.50 p.m.—Late sporting information.

7 p.m.—"Big Ben." Dalery's market reports (wheat, wheat and stock).
 7.30 p.m.—Fruit and vegetable markets.
 7.10 p.m.—Weather and shipping news.
 7.15 p.m.—Late "Evening News" news service.

NIGHT SESSION.

7.50 p.m.—Programme announcements.
 7.55 p.m.—Len De Geogio, violin solo.
 8.15 p.m.—A talk on health.
 8.25 p.m.—Win and Windle, English entertainers.

8 p.m.—"The Den." The Haymarket Operatic Orchestra, under the baton of Mr. Stanley Porter.

8.50 p.m.—From the Studio. Frank McEneaney, basso:
 "Host of Eve" (Wagner).
 "Young Tom of Devon" (Squire).

8.27 p.m.—From the Conservatorium of Music, Sydney: Items from the PianoForte Recital by Madame Beta-Vincent.

8.35 p.m.—From the Scullion: Jessie Smith, soprano (from SLD McEneaney).

9.2 p.m.—Latest weather forecast.
 9.3 p.m.—Win and Windle, English entertainers.

9.7 p.m.—From the Baptist Hall, Ultimo: Items by the Sydney Harmonic Society's Choir, conducted by Mr. W. Bourne.

9.20 p.m.—From the Studio: Len De Geogio, violin solo.
 9.25 p.m.—Frank McEneaney, basso:
 "Chip of the Old Block" (Squire).
 "Rolling down to Rio."

9.35 p.m.—From the Haymarket Theatre: George Street, Sydney: The Haymarket Operatic Orchestra, under the baton of Mr. Stanley Porter.

9.45 p.m.—From the Studio: Win and Windle, English entertainers.

9.52 p.m.—From the Baptist Hall, Ultimo: The Sydney Harmonic Society's Choir, Conductor, Mr. William Bourne.

10.5 p.m.—From the Haymarket Theatre, George Street, Sydney: The Haymarket Operatic Orchestra, Conductor, Mr. Stanley Porter.

10.15 p.m.—From the Studio: Jessie Smith, soprano (from SLD McEneaney).

10.22 p.m.—Len Maurice, popular harmonic.
 10.30 p.m.—Late weather forecast.
 10.42 p.m.—Dance Music, interspersed with vocal numbers by Len Maurice.

10.57 p.m.—Late news and announcements.
 11 p.m.—"Big Ben." Dance music and vocal numbers by Len Maurice.
 11.30 p.m.—National Anthem.
 Close down.

2BL, SYDNEY

Monday.
 EARLY MORNING SESSION.—7 to 8 a.m.

MORNING SESSION.
 10.30 a.m.—G.P.O. Clock and Chimes.
 Musical items from the Studio.

10.40 a.m.—News from the "Daily Telegraph Pictorial."
 10.50 a.m.—Musical programme from the Studio.

11 a.m.—G.P.O. Clock and Chimes.
 Announcements.
 11.5 a.m.—Musical programme from the Studio.

11.15 a.m.—Talk on "Tennis," by Miss Gwen Varley, Broadcaster's Women's Sports Authority.
 Health Talk, by Mrs. Jordan.
 Talk on "The Science of Eating," by Mrs.

12 noon.—G.P.O. Clock and Chimes.
 Special Ocean Forecast and Weather Report.
 12.3 p.m.—Brunswick Panatrops Musical Recital.

12.15 p.m.—Information, mails, shipping and Port Directory.
 12.18 p.m.—Bote in call by wireless.

12.22 p.m.—Fruit Market Report.
 12.22 p.m.—Vegetable Market Report.
 12.24 p.m.—London Metal Market Report.

12.35 p.m.—Dairy and Farm Produce Market Report.
 12.35 p.m.—G.P.O. Clock and Chimes.
 Forecar Market Report.

12.32 p.m.—Fib Market Report.
 12.34 p.m.—Rabbit Market Report.
 12.35 p.m.—Stock Exchange Report.

12.38 p.m.—News from the "Sun."
 12.45 p.m.—Hilliers' Instrumental Quartet; affection, Carl Casella.

12.7 p.m.—Stock Exchange Report.
 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.
 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.

2.10 p.m.—News from the "Sun."
 2.20 p.m.—Musical programme from the Studio.

2.30 p.m.—News from the "Sun."
 2.40 p.m.—Dingwong Dance Band, broadcast from the Casino, Chalmers.

2.45 a.m.—G.P.O. Clock and Chimes.
 News from the "Sun."
 4.10 p.m.—Serial Story.

4.30 p.m.—Dingwong Dance Band.
 4.40 p.m.—News from the "Sun."
 4.55 p.m.—Remains of Night's Programme.

4.57 p.m.—Racing Results.
 5 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 Sealers.

6 p.m.—The pupils of Miss Monica Scully will entertain the Children.
 6.30 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. Clock and Chimes.
 Australia, Antwerp, Lond and Pinaro Club's Report.

Weather Report and Forecast, by courtesy of Government Meteorologist.
 Producers' Distributing Society's Fruit and Vegetable Market Reports.

Grain and Fodder Report ("Sun").
 Dairy Produce Report ("Sun").
 7.15 p.m.—Country News from the "Sun."

7.20 p.m.—Health Talk.
 7.30 p.m.—Talk on "How to Maintain Your Health," by Dr. Du Maurier.

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.
 An Hour's Programme, presented by Lindetown's Wines.

8.3 p.m.—Sid and Molly Owen and Jack McEneaney in a medley of jokes.
 8.23 p.m.—Miss Buntly Stuart (Scottish contralto).

8.30 p.m.—Messrs. Heurl and Maurice de Lisse (violinists).
 8.37 p.m.—Mr. Glen Williams (harmony).

8.44 p.m.—The Newtown Band, broadcast from the Industrial Hall, Newtown.
 9.4 p.m.—Weather Report and Forecast, by courtesy of Mr. C. J. Meres, Sec. Meteorologist.

9.5 p.m.—Miss Deryl Scott (soprano at the piano).
 9.12 p.m.—Broadcaster's All-Sports Expert will talk on General Sporting.

9.27 p.m.—The Newtown Band.
 9.47 p.m.—Miss Beryl Stuart.
 9.54 p.m.—Lee Morrison and his Glomuchers, broadcast from the Ballroom of the Bondi Casino.

10.4 p.m.—Messrs. Heurl and Maurice de Lisse.
 10.11 p.m.—Ed Morrison and his Glomuchers, broadcast from the Ballroom of the Bondi Casino.

10.12 p.m.—Miss Deryl Scott.
 10.14 p.m.—Resume of following Day's Programme.

10.50 p.m.—Ed Morrison and his Glomuchers, broadcast from the Ballroom of the Bondi Casino.

11 a.m.—G.P.O. Clock and Chimes.
 National Anthem.

2GB, SYDNEY

Monday.
 MORNING SESSION.

9 a.m.—Music.
 9.5 a.m.—"Theorio" Talk.
 9.15 a.m.—Music.

9.26 a.m.—Psychological Class.
 9.40 a.m.—Music.
 9.45 a.m.—Psychological Class.

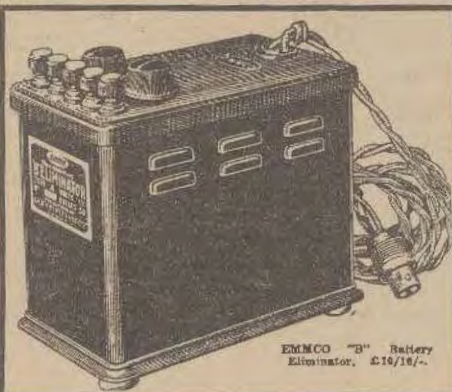
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There are eleven radio component parts illustrated on this page; most of them are essential in every type of receiver. If you are a home constructor, tear this leaf out and keep it by. It will act as a complete price list or catalogue to which to refer before visiting your dealer, or if you are situated in the country, before sending to the city for your next list of parts. If you are not a home constructor, tear it out anyway, for the parts in your set require replacing now and again.

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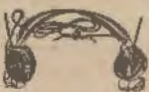


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AFTERNOON SESSION.

- 2.40 p.m.—Music.
- 3.37 p.m.—Address.
- 4.22 p.m.—Music.
- 4.47 p.m.—Address.
- 4.52 p.m.—Music.
- 4.59 p.m.—Close down.

EVENING SESSION.

- 7.15 p.m.—Music.
- 7.15 p.m.—Address.
- 7.45 p.m.—Music.
- 7.55 p.m.—Address: Health Week.
- 7.59 p.m.—Music.
- 7.56 p.m.—Recital by Mr. Heath Burdock.
- 7.50 p.m.—Announcements.
- 7.55 p.m.—Songs by **ELISE BROWN**:
 1. "My Mother Hides Me From My Hair" (Harvard).
 2. "Sing, Joyous Bird" (Montague Phillips).
- 8.5 p.m.—Address: Professor Ernest Wood.
- 8.20 p.m.—Songs by Mr. P. J. Todd.
- 8.23 p.m.—An Half-hour with the ZEB Instrumental Trio:
 1. "The Flutes of Arcady" (James).
 2. "The Flutes of Arcady" (James).
 3. "The Flutes of Arcady" (James).
- 8.30 p.m.—Talk: "Obscure".
- 10 p.m.—Close down.

DAN SCULLY, MURIELLE LANG, ADA BROOK.

- 9 p.m.—Address by Rev. R. S. S. Manmudi: "Mending Broken Men."
- 9.15 p.m.—Helen Goss, MARGORY SCHMIDT, J. "Laughing Water," 2. "Zelazna."
- 9.25 p.m.—Vivian Sloss, DAN SCULLY:
 1. "Profess and Allegro" (Preganti).
- 9.30 p.m.—Songs by **ELISE BROWN**:
 1. "Bird Scous as Evening" (Gardie).
 2. "The Flutes of Arcady" (James).
- 9.35 p.m.—Instrumental Trio: DAN SCULLY, MURIELLE LANG, ADA BROOK.
- 9.50 p.m.—Talk: "Obscure".
- 10 p.m.—Close down.

2UW, SYDNEY

Monday.

MORNING SESSION.

- 9 a.m.—News, Shipping, Mails, national news.
- 9.45 a.m.—Women's Session.
- 9.59 a.m.—Resume of forward programme.
- 10 a.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—Studio Selections.
- 2.59 p.m.—Resume of forward programme.
- 3 p.m.—Close down.

EVENING SESSION.

- 5 p.m.—Studio Home.
- 5.50 p.m.—Resume of forward programme.
- 6 p.m.—Close down.

NIGHT SESSION.

- 7 p.m.—Where to Go.
- 7.15 p.m.—Dance and instrumental items from Studio.
- 7.30 p.m.—Special Musical Programme, arranged by Professor G. Sauer.
- 8 p.m.—David Katong, Steel Guitar: Hawaiian melodies.
- 8.5 p.m.—Special Musical Programme by Professor G. Sauer.
- 9 p.m.—David Katong, Steel Guitar: Hawaiian melodies.
- 9.2 p.m.—Instrumental and Dance Numbers from the Studio.
- 9.20 p.m.—Resume of forward programme.
- 9.28 p.m.—Close down.

3LO, MELBOURNE.

Monday

MIDDAY SESSION.

- 12 noon.—Time Signal, British Official Wireless News from Rugby, Beaters and the Australian Press Association cables, "Argus" news service.
- 12.30 p.m.—**JOE ARONSON AND HIS SYNCO-SYMPHONISTS**.
- 12.30 p.m.—**VERA SPAULL**, soprano: (By permission of J. G. Williamson, Ltd.) "Scorching Heat for Luce." "Ain't She Sweet?"
- 12.41 p.m.—Stock Exchange information.
- 12.41 p.m.—**JOE ARONSON AND HIS SYNCO-SYMPHONISTS**.

- 12.49 p.m.—**VERA SPAULL**, soprano: "That's a Great Girl." "Tenderly."
- 1.07 p.m.—**JOE ARONSON AND HIS SYNCO-SYMPHONISTS**.
- 1.10 p.m.—Radio Time Signal.
- 1.11 p.m.—**JOE ARONSON AND HIS SYNCO-SYMPHONISTS**.
- 1.22 p.m.—Historical information, Mrs. South (Special for Victoria, Tasmania, South Australia and New South Wales, Oregon, forecast, River, South, Ballarat for Victoria, Tasmania, South Australia and New South Wales).
- 1.16 p.m.—**JOE ARONSON AND HIS SYNCO-SYMPHONISTS**.
- 1.22 p.m.—**BOBBY PEARCE**, baritone: "Vale" (Russell). "My Dreams" (Tosti).
- 1.30 p.m.—**JOE ARONSON AND HIS SYNCO-SYMPHONISTS**.
- 1.45 p.m.—**BOBBY PEARCE**, baritone: "How Say." "The Rose of My Heart" (Lubert).
- 1.45 p.m.—**JOE ARONSON AND HIS SYNCO-SYMPHONISTS**.
- 2 p.m.—**LORIE MAYOR'S QUARTERLY LUNCHEON**. Speakers: LORD MAYOR of Melbourne, Sir Stephen Murray, His EXCELLENCY the GOVERNOR of VICTORIA, LORD SOMERS. Remarks of the Richmond Poles will be given as they come to hand.

AFTERNOON SESSION.

- 2 p.m.—STUDIO QUARTET: "Venetian Romance" (Hildebrandt).
- 2.10 p.m.—Mrs. SINK: "Home Crafts."
- 2.25 p.m.—**GERTRUDE HUTTON**, contralto: "Wonder Why" (Raymond). "Spring" (Raymond).
- 2.32 p.m.—STUDIO QUARTET: Intermezzo, "Happy Jacqueline" (Manderson), "Sonata" (Gardie).
- 2.42 p.m.—**BERTHA JOERGENSEN**, violin: "Pact and Penny Day" (Martin). "Sue Ryan" (Hildes). "Brag's Bernadine" (by request).
- 2.47 p.m.—**GERTRUDE HUTTON**, contralto: "Lullaby" (D. Hildebrandt). "Sue Ryan" (Hildes).
- 2.54 p.m.—**AGNES FORTUNE**, piano: "Noveliste" (Schumann). "Legend" (Schumann).
- 2.54 p.m.—**BERT SUTCLIFFE**, baritone: "Lighterman Tom" (Squire). "Old Harry" (Grant).
- 3.00 p.m.—Miss FLORA FELL, Inspector of Schools, will speak to you about "Domestic Economy."
- 3.45 p.m.—"Herald" news service. Stock Exchange information.
- 3 p.m.—Close down.

EVENING SESSION.

- 5.30 p.m.—Acceptance for Wednesday's races at Caulfield.
- 5.35 p.m.—Answers to letters and birthday greetings by "LITTLE MISS KOOKABURRA."
- 5.55 p.m.—STUDIO QUARTET: "Fairy Tales" (Komah). "Fairy Tales" (Komah).
- 6.15 p.m.—**FREDA NORTHCOPE**, contralto: "Ode Song, "Hush Ye' Gently Honey." "Little Indian Baby" (Schubert).
- 6.19 p.m.—"LITTLE MISS KOOKABURRA" has something exciting for all.
- 6.25 p.m.—**FREDA NORTHCOPE**, contralto: "A Fairy Little Traveller." "The Sparrow in the Tree" (Gatty).
- 6.40 p.m.—Official report of Newmarket stock sales by the Associated Stock and Station Auctioneers, Messrs. Macpherson & Co. of sheep and cattle drawn for week's sales.
- 6.45 p.m.—"Herald" news service. Weather summary. "Herald" news service.
- 6.52 p.m.—Stock Exchange information.
- 6.57 p.m.—Fish reports.
- 6.59 p.m.—Fish market report, by J. R. Barrett, Ltd. Retail prices.
- 7.2 p.m.—Market reports by the Victorian Producers Co-operative Co. Ltd. Poultry, eggs, hay, straw, tins, dairy produce, potatoes and various. Market reports of fruit by the Victorian Fruitgrowers' Association.

NIGHT SESSION.

- 7.15 p.m.—United Kingdom members of the DEVELOP AUSTRALIA LEAGUE: M. PAUL, MIBRON will speak on: "Australian Grace and Beauty."
- 7.30 p.m.—Mr. B. A. H. TAYLOR will speak on "How Good is Your School?" "School Life and School Sports."
- 7.45 p.m.—Under the auspices of the Department of Agriculture, Mr. C. E. MARLES, Agriculture, Tasmanian Export, will speak on: "Tobacco Growing: Planning the Crop."
- 8 p.m.—THE HEALTH ASSOCIATION SENDS you the following message: "The air will become progressively so colder, changes of temperature, and the likelihood of catching cold will be thus reduced if a shower bath or a cool sponge is adopted to cool the body."
- 8.2 p.m.—VICTORIAN POLICE BAND: March: "Village." "Beechcroft Minnie."
- 8.27 p.m.—Mrs. D. FRASER, baritone: "Went All the Year" (Hildes). "Down the Vale."
- 8.37 p.m.—FRENCH TRIO, mandolinist: "In Honolulu." "Hark! Hear Old Accountant Man."
- 8.40 p.m.—VICTORIAN POLICE BAND: Overture: "The Golden Sceptre." Trombone solo: "The Trumpet." Soloist: Constance Howard.
- 8.45 p.m.—TIL HUBER, soprano: Winner of the Table Talk Competition: "Neem's Epiphany." "I Don't Remember." "Went to the River." "Go Down, Moses."
- 8.42 p.m.—VICTORIAN POLICE BAND, March: "The Hussars."
- 8.58 p.m.—KATHLEEN SIMMS, soprano: Winner of second prize Table Talk Competition: "Scotches in Summer" (Rhinoceros Tennel). "Fairy Lures" (Stauford).
- 8.57 p.m.—DNE ACT PLAY: "A Story of Waterloo" (Dovley). Corporal Brewster, aged 84, Maurice Dudley, Corporal McDonald, P.M.A., Alfred Andrew, Colonel James McIntyre, Scotch Guards, Charles Dyson, Nora Brewer, Corporal's Grandniece. Mrs. M. Dudley. Scene: Brewer's Cottage near the Bar-Back.
- 9.27 p.m.—VICTORIAN POLICE BAND: "The March Song."
- 9.22 p.m.—JOHN D. FRASER, baritone: "Firewell in the Desert." "Snowy Breasted Peal."
- 9.30 p.m.—FRANK EROS, mandolinist: "Fertilizer" (O'Hagan). "Tied Me to Sleep."
- 9.40 p.m.—ELLIE MULLIGAN, soprano: Winner of 2nd prize Table Talk Competition: "A Trip on a Tram." "Singing Lessons."
- 9.50 p.m.—VICTORIAN POLICE BAND: March: "Village." "Austral" news service.
- 10.1 p.m.—KATHLEEN SIMMS (soprano) "Whither" (Schubert). "Hark by the Brook" (Schubert).
- 10.15 p.m.—VICTORIAN POLICE BAND: Selected.
- 10.20 p.m.—TIL BLACK, soprano: "Hark! Hear Old Accountant Man." "Open Thy Wide Eyes."
- 10.27 p.m.—British Official Wireless Information: Announcements: THE ROYAL ATTORNEY GENERAL'S OFFICE: VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS: "Act for those you, him, and me. Give the man on the right the right-of-way."
- 10.4 p.m.—**JOE ARONSON AND HIS SYNCO-SYMPHONISTS**.
- 10.48 p.m.—**ELLIE MULLIGAN**, soprano: "Where Afloat." "From the Wheel of Time."



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12.50 p.m.—**JOE ARONSON AND HIS SYNGO-SYMPHONISTS:**
 "Let's All Hear For" (Rout).
 "The Original Black Bottom."
 "I Didn't Know" (Swift).
 11 p.m.—**OUR GREAT THOUGHT** for to-day is:
 "The question is not for man what he can score, but what he can lose."—Ruskin.
 11.1 p.m.—**JOE ARONSON AND HIS SYNGO-SYMPHONISTS.**
 11.40 p.m.—**"GOD SAVE THE KING."**

4QG, BRISBANE

Monday.

MIDDAY SESSION.
 1 p.m.—Market reports; weather information supplied by the Commonwealth Weather Bureau; news services supplied by "The Daily Mail" and "The Daily Standard."
 1.20 p.m.—Lunch music, played by Hotel Carlton Symphony Orchestra.
 1.38 p.m.—Standard time signal.
 5 p.m.—Close down.

AFTERNOON SESSION.
 2.30 p.m.—Afternoon tea music, played by Hotel Carlton Symphony Orchestra.
 4.15 p.m.—News service supplied by "The Telegraph."
 4.50 p.m.—Close down.

EARLY EVENING SESSION.
 6 p.m.—News service supplied by "The Daily Standard."
 6.25 p.m.—Lecturette: A world call talk; "Schools in Kashmir, India," by the Rev. J. A. Cox.
 6.50 p.m.—The Children's Season:
 Stories by "The Sandman."
 7 p.m.—Market reports; stock reports.
 7.30 p.m.—Weather news; "Daily Standard" news.

7.45 p.m.—Standard time signals.
 7.55 p.m.—Lecturette: "The Children's Music Corner," conducted by "The Music Man."
NIGHT SESSION.
STUDIO CONCERT.

FROM THE STUDIO:
 8 p.m.—Eloise's solo, "Prelude in G-Minor" (Bachmann); Miss Cathie Nagel; baritone solo, "Tommy Lad" (Margaret), Mr. A. N. Falk; contralto solo, "The Silver King" (Chambers); Miss Alice Bayon; instrumental duet, "The Gifters" (Thiers), the Clarwin Duo; soprano solo, selected, Miss Ivy Taylor; instrumental duo—(a) "Evening Song and Parting" (Mendelssohn), (b) Welsh hymn, tone "St. Joseph" (Parry), Miss Griffiths (piano) and Mr. Griffiths (English solo); baritone solo, "The Call" (Oliver), Mr. A. N. Falk; pianoforte solo, "Polonaise No. 1" (Chopin), Miss Cathie Nagel; soprano solo, selected, Mrs. Robt. Bell; instrumental duo, "Innocent" (Smith), the Clarwin Duo.
 9 p.m.—Metropolitan weather forecasts.
ST. AUGUSTINE'S PARTY.

The second portion of the programme will be provided by the programme's 25th Party (conductor, Mr. Ben. Clifton) and will include Nigger Minstrel numbers.
 10.50 p.m.—"The Daily Mail" news; weather news.
 Close down.

6WF, PERTH.

Monday.

12.10 p.m.—Tune in.
 12.25 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, Perth, Western Australia.
 1.2 p.m.—**STUDIO QUINETTE.**
 1 p.m.—Close down.
 3.30 p.m.—Tune in.
 3.35 p.m.—Musical programme from the studio, including vocal and instrumental numbers, afternoon Tea Concert relayed from the Carlton Cafe, Hay Street.

4.30 p.m.—Close down.
 6.45 p.m.—Tune in.
 6.50 p.m.—Stories for the Kiddies by Uncle Henry and Duff.
 7.20 p.m.—Stocks, Markets, News.
 7.35 p.m.—Talk by Lieut. Col. Le Scout, Director of the Zoological Gardens, South Perth.
 8 p.m.—Time signal from Perth Observatory.
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
CONCERT NIGHT—
 8.3 p.m.—Musical programme, including vocal and instrumental artists.
 Orchestral music played by the Grand Symphony Orchestra, conducted by Mr. Val Smith, relayed from the Grand Theatre, Murray Street.
 10 p.m.—Late news items by courtesy of "The Daily News" Newspaper Co.
 Ships within Range announcement.
 Weather report and forecast.
 Sports results.
 10.50 p.m.—Close down.

100 METRE TRANSMISSION.
 Simultaneous broadcast on 100 Metres of Musical programme given on 1150 Metres, commencing at 5 p.m.

7ZL, HOBART

Monday.

MORNING SESSION—11 a.m. to 12 noon.

AFTERNOON SESSION.
 3 p.m.—G.O. Club Chatting.
 3.1 p.m.—Tune in selection.
 3.5 p.m.—Hobart Stock Exchange quotations.
 Weather information.
 Details of interest: Announcements.
 4.15 p.m.—Orchestral Selection, by 7ZL Studio Trio.
 4.35 p.m.—Fashion Talk, by "Aunt Edna," of Brunswick, Ltd., Hobart.
 4.45 p.m.—Close down.

EARLY EVENING SESSION.
 6.50 p.m.—Children's Corner:
 "Uncle Peter's" half-hour.
 7 p.m.—"Uncle Hector" talks to the Children.

NIGHT SESSION.
 7.30 p.m.—Musical selection.
 7.50 p.m.—Physical Culture Talk by Lieutenant Reginald McKissock.
 7.50 p.m.—"Mercury" special Tasmanian News Service.
 Retailers Auction Produce Sales.
 Weather forecasts.
 Hobart Stock Exchange quotations.
 8 p.m.—G.P.O. Clock Chimes.
 8.1 p.m.—Concert from the Studio, under the direction of Mrs. Benson.
 9.30 p.m.—"Mercury" special Interstate News Service.
 Tasmanian District Weather Reports.
 9 p.m. Weather Forecasts.
 Station announcements.
 National Anthem.

Tuesday, Oct. 11 2FC, SYDNEY.

EARLY MORNING SESSION.
 7.0 a.m. to 8.0 a.m.
MORNING SESSION.
 10.0 a.m.—"Big Ben"; and Announcements.
 10.5 a.m.—Studio Music.
 10.15 a.m.—"Sydney Morning Herald" News Service.
 10.30 a.m.—Studio Music.
 10.35 a.m.—Late Sporting News by the 2FC.
 10.45 a.m.—Studio Music.
 11.0 a.m.—"Big Ben"; Marching Music for School Children.
 11.5 a.m.—A.J.A. and Reuter's Cables.
 11.15 a.m.—Studio Music.
 11.15 a.m.—A Talk on Home Cooking and Recipes by Miss Ruth Purst.
 11.30 a.m.—Close Down.

MIDDAY SESSION.

12.5 noon—"Big Ben" and Programme Announcements.
 1.30 p.m.—Stock Exchange, first call.
 12.3 p.m.—Official Weather Forecast, Rainfall.
 12.5 p.m.—Studio Music.
 12.10 p.m.—Summary of "Sydney Morning News" News Service; "Early Wireless News."
 12.20 p.m.—Studio Music.
 12.30 p.m.—Marching Music for School Children.
 12.40 p.m.—Daniel Hardy, Baritone.
 12.45 p.m.—The Oak Hall Instrumental Trio.
 12.55 p.m.—Studio Music.
 1.0 p.m.—"Big Ben"; Weather Intelligence.
 1.15 p.m.—"Evening News"; Midday News Service; Producers' Distributing Society's Report.
 1.20 p.m.—The Oak Hall Instrumental Trio.
 1.24 p.m.—Stock Exchange, second call.
 1.30 p.m.—Marching Music for School Children.
 1.40 p.m.—Daniel Hardy, Baritone.
 1.45 p.m.—Studio Music.
 1.50 p.m.—The Oak Hall Instrumental Trio.
 2.0 p.m.—"Big Ben"; Close Down.

AFTERNOON SESSION.
 2.0 p.m.—"Big Ben"; and Programme Announcements.
 2.3 p.m.—Nellie Larkins, Violin Solo:
 "Gardas" (Monti).
 2.5 p.m.—Doris Crossman, Contralto:
 "I'll be the Diamond Queen" (Eagar).
 3.12 p.m.—Jack Dunn, Baritone:
 "Dear Little Garden" (Tognatti).
 3.15 p.m.—A Reading.
 3.22 p.m.—Nellie Larkins, Violin Solo:
 "More Peppercorn" (Baldin).
 3.30 p.m.—Marching Music for School Children.
 3.40 p.m.—Ellen Moreau, Soprano.
 2.45 p.m.—The Oak Hall Instrumental Trio (Lester, Mr. Horace Keuz).
 3.55 p.m.—Jack Dunn, Baritone:
 "Sissy" (Kontak).
 4.0 p.m.—"Big Ben"; Anne Mills, Mezzo.
 4.5 p.m.—The Oak Hall Instrumental Trio.
 4.15 p.m.—Nellie Larkins, Violin Solo:
 "Gardas" (Bachmann).
 4.20 p.m.—Ellen Moreau, Soprano:
 "A Brown Bird Singing" (Wood).
 4.25 p.m.—The Oak Hall Instrumental Trio.
 4.35 p.m.—Jack Dunn, Baritone:
 "Slee Eyes" (Rubens).
NOTE:—During the afternoon results will be given in connection with the National Rifle Association's Meeting at Liverpool.

4.40 p.m.—Anne Mills, Mezzo.
 4.45 p.m.—Stock Exchange, third call.
 4.47 p.m.—Nellie Larkins, Violin Solo:
 "Melody in F."
 4.51 p.m.—Popular Records from the Studio.
 5.0 p.m.—"Big Ben"; Close Down.

EARLY EVENING SESSION.
 5.40 p.m.—The Glimpses of 2FC.
 5.45 p.m.—The "Hello Man" Talks to the Children.
 6.30 p.m.—Story Time for the Young Folk.
 6.40 p.m.—Studio Music.
 6.45 p.m.—Late Sporting Information.
 6.50 p.m.—"Big Ben"; "Daily's" Market Reports (Wool, Wheat and Stock).
 7.0 p.m.—Fruit and Vegetable Markets.
 7.10 p.m.—Weather and Shipping News.
 7.15 p.m.—Late "Evening News" News Service.

NIGHT SESSION.
 7.30 p.m.—Programme Announcements.
 7.35 p.m.—A Talk on behalf of the University of Sydney.
 7.40 p.m.—Lindley Brown, Pianoforte Solo.
 7.50 p.m.—A Talk on "Teeth Week."
 8.0 p.m.—"Big Ben"; "Daily's" Market Reports (Wool, Wheat and Stock).
 8.10 p.m.—Fruit and Vegetable Markets.
 8.15 p.m.—Weather and Shipping News.
 8.20 p.m.—From the Studio: Peggy Dunbar, Contralto.
 8.19 p.m.—From the Royal Naval House, Sydney:
 (a) Overture, "The Freytag's" (Weber).
 8.15 p.m.—From the Studio: Ernest Archer, Tenor.
 8.19 p.m.—From the Royal Naval House, Sydney:
 (b) Overture, "The Freytag's" (Weber).
 "Invitation a la Valse" (Waltz).
 8.20 p.m.—From the Studio: Peggy Dunbar, Contralto.

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8.15 p.m.—From the Royal Naval Home, Sydney: The N.S.W. State Military Band: Selection, "Tonal Tithes" (Benley).
 8.45 p.m.—Wilfied Thomas, Bass (from the Studio).
 8.50 p.m.—From the Royal Naval Home, Sydney: The N.S.W. State Military Band: (a) Fox Trot, "Blue Skies" (Benley). (b) Patrol, "The MacGregor" (Amers).
 9.3 p.m.—Late Weather Forecast.
 9.3 p.m.—Lindsay Brown, Pianoforte Soloist.
 9.15 p.m.—Duo: Gelling and his "Sparkles" introduce themselves and sing: "How Do You Do?"
 9.15 p.m.—Fretted Amber, Tenor: "Songs of Araby" (Cory).
 9.15 p.m.—Maids Jones, Soprantes: "Pottering Along."
 9.28 p.m.—Duo "Spazias," by Charles Lawrence, Entertainer.
 9.28 p.m.—Dance Music by Cyril Coy's Dance Orchestra.
 9.45 p.m.—Peggy Dunbar, Contralto: "My Treasure" (Cresley).
 9.57 p.m.—"The Cafe De Troy Bit," a comedy sketch by Maids Jones and Gus Gelling.
 9.45 p.m.—Wilfied Thomas, Bass: "The Helodion" (Cory).
 9.50 p.m.—Horton Gibb, mezzo "Spazias."
 9.55 p.m.—Ernest Archer, Tenor: "That Old Scottish Mother o' Mine."
 9.59 p.m.—Dance Music, supplied by Cyril Coy's Dance Band. Approx. 10 p.m.—Late Weather News.
 10.5 p.m.—Maids Jones, Soprantes: "The Bird on Yelling's Hat."
 10.10 p.m.—"Jerry" Johns the Jesters.
 10.15 p.m.—Peggy Dunbar, Contralto: "Annie Laurie."
 10.18 p.m.—Charles Lawrence, Entertainer: In Mischievous Moments.
 10.25 p.m.—Dance Music by Cyril Coy's Dance Orchestra.
 10.30 p.m.—A Skitish Sketch by the "Sparkles."
 10.45 p.m.—Fires for "A We Dooch an Dooch": Good Night.
 10.45 p.m.—Dance Music by Cyril Coy's Orchestra.
 10.50 p.m.—Popular Records from the Studio.
 10.57 p.m.—Late News and Announcements.
 11.0 p.m.—"Big News," Cyril Coy and his Dance Orchestra in popular numbers until 11.30 p.m.
 11.30 p.m.—National Anthem: Close Down.

2BL, SYDNEY.

Tuesday.

EARLY MORNING SESSION.—7 to 8 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 Fictorial."
 10.50 a.m.—Musical programme from the Studio.
 11. a.m.—G.P.O. Clock and Chimes.
 Announcements.
 11.15 a.m.—Health Talk, by Mrs. Jordan.
 Talk on "Massage," by Mr. Adams, A.M.A.
 11.30 a.m.—G.P.O. Clock and Chimes.
 Special Ocean Forecast and Weather Report.
 12.3 p.m.—Brunswick Panatropo Musical Recital.
 12.15 p.m.—Information: Mails, Shipping and Port Directory.
 12.18 p.m.—Scots in call by wireless.
 12.20 p.m.—Fruit Market Report.
 12.22 p.m.—Vegetable Market Report.
 12.24 p.m.—London Metal Market Report.
 12.25 p.m.—Dairy and Farm Produce Market Report.
 12.30 p.m.—G.P.O. Clock and Chimes.
 Foreign Market Report.
 12.31 p.m.—Fish Market Report.
 12.34 p.m.—Rabbit Market Report.
 12.36 p.m.—Stock Exchange Report.
 12.38 p.m.—News from the "Sun."
 12.45 p.m.—Hilliers Instrumental Quartet: direction, Caryl Carding.

1.27 p.m.—Stock Exchange Report.
 1.30 p.m.—G.P.O. Clock and Chimes.
 Talk in Children and Special Entertainment for Children in Hospital.
 2 p.m.—G.P.O. Clock and Chimes.
 Close down.
AFTERNOON SESSION.
 Opening 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 Storm Trio: direction, Miss de Courcy Brenneac.
 2.30 p.m.—G.P.O. Clock and Chimes.
 News from the "Sun."
 2.40 p.m.—Musical programme from the Studio.
 2.50 p.m.—News from the "Sun."
 4 p.m.—G.P.O. Clock and Chimes.
 Civil Service Storm Trio.
 4.15 p.m.—Serial Story.
 4.15 p.m.—Musical programme from the Studio.
 4.40 p.m.—News from the "Sun."
 4.45 p.m.—Resume of Night's Programme.
 4.47 p.m.—Racing Results.
 4.59 p.m.—Special Ocean Forecast.
 5 p.m.—G.P.O. Clock and Chimes.
 Close down.
EARLY-EVENING SESSION.
 7 p.m.—G.P.O. Clock and Chimes.
 Australian Mercantile, Land and Finance.
 Weather Report and Forecast, by courtesy of Govt. Meteorologic.
 Producers' Distributing Society's Fruit and Vegetable Market Report.
 Stock Exchange Reports.
 Grain and Poultry Report ("Sun").
 Dairy Produce Report ("Sun").
 N.M. Talk.
 7.10 p.m.—Country News, from the "Sun."
 7.20 a.m.—Health Talk.
 7.30 p.m.—Talk on "Tennis," by Dr. McElhane.
EVENING SESSION.
 8 p.m.—G.P.O. Clock and Chimes.
 Broadcasters' Topical Chimes.
 8.3 p.m.—Broadcasters' Light Orchestra, under the direction of Mr. J. Knight Barrett.
 8.15 p.m.—Miss Edith Kilmester (pianist).
 8.18 p.m.—Miss Edith Kilmester (pianist).
 8.25 p.m.—Mr. Leslie McCallum (baritone).
 8.35 p.m.—Mr. Warwick McKenzie (violinist).
 8.40 p.m.—Miss Ada Althouse (soprano).
 8.40 p.m.—Broadcasters' Light Orchestra.
 8.49 p.m.—Weather Report and Forecast, by courtesy of Mr. C. J. Mares, Govt. Meteorologic.
 9 p.m.—G.P.O. Clock and Chimes.
 9.1 p.m.—Mr. William Green (singer).
 9.3 p.m.—Duet, Miss Ada Althouse and Mr. Leslie McCallum.
 9.13 p.m.—Broadcasters' Light Orchestra.
 9.21 p.m.—Miss Mary Neal.
 9.30 p.m.—Miss Edith Kilmester.
 9.35 p.m.—Mr. Leslie McCallum.
 9.42 p.m.—Mr. Warwick McKenzie.
 9.45 p.m.—Miss Ada Althouse.
 9.55 p.m.—Resume of following Day's Programme.
 10 p.m.—G.P.O. Clock and Chimes.
 10.1 p.m.—Broadcasters' Light Orchestra.
 10.3 p.m.—Mr. William Green.
 10.18 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.

2 UW, SYDNEY

Tuesday.

MORNING SESSION.
 9 a.m.—Notes: Shipping; Mails; musical Roma.
 9.45 a.m.—Women's Session.
 9.55 a.m.—Resume of forward programme.
 10 a.m.—Close down.
AFTERNOON SESSION.
 2 p.m.—Mr. Palmer Kent's Pianoforte solos.
 2.45 p.m.—Fitzmaurice C. Suter; Violin solo.
 2.55 p.m.—Resume of forward programme.
 3 p.m.—Close down.

EVENING SESSION.
 7 p.m.—Studio selection.
 7.40 p.m.—Resume of forward programme.
 7.50 p.m.—Close down.
NIGHT SESSION.
 7 p.m.—Where to Go.
 7.10 p.m.—Studio items.
 7.40 p.m.—Dr. Resigowski: Chat to Madrasia.
 7.50 p.m.—Musical selections from Studio.
 8 p.m.—"Gems of the Opera," No. 9.
 George F. Mannel.
 8.15 p.m.—Maids and Instrumental Music from Studio.
 8.20 p.m.—Resume of forward programme.
 8.30 p.m.—Close down.

3LO, MELBOURNE.

Tuesday.

MIDDAY SESSION.
 12 noon.—Time Signal, Musical prices, received from the Australian Music and Artists Association, from the London Black Exchange this day. British Official Wireless News from Rugby. Reuters' and the Australian Press Association cables. "Argos" News Service.
 12.30 p.m.—COMMUNITY SINGING FROM THE STUDIO, conducted by Mrs. G. J. MACKEY, assisted by the STUDIO QUARTET; conductor, REGINALD BRADLEY.
SOLOISTS:
 HEENE KILWANN, soprano. Winner of the 1926-27 Australian Music and Artists Association, from the London Black Exchange this day. British Official Wireless News from Rugby. Reuters' and the Australian Press Association cables. "Argos" News Service.
 "Where the Bee Sucks" (Dr. Arnel).
 "Love's a Merchant" (Gaww).
 NORMAN BRADSHAW, tenor: "When the Light with Sheds Silence."
 "Blue Fire from the Land."
 1.45 p.m.—Meteorological information. Weather Bureau for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast. Have reports. Rainfall for Victoria, Tasmania, South Australia, and New South Wales.
 2 p.m.—Close down.
EVENING SESSION.
 7 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS.
 8.10 p.m.—"AU PAIX"
 "Fashion Job."
 8.25 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS.
 8.35 p.m.—3LO introduces LILLY BURNAND AND HERBIE SLACKER, entertainers: "The Politician's Costume."
 "The Stars and Stripes for Beer."
 "I'll be there, Love, at Half-past Nine."
 8.45 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS.
 8.55 p.m.—VERA SPAULL, soprano: "Here I Am."
 "It all Depends on You."
 9.10 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS.
 9.12 p.m.—VERA SPAULL, soprano: "That Little Something."
 "Consolation."
 9.13 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS.
 9.25 p.m.—MATRON MORELAND: "Consolation."
 9.30 p.m.—JOE ARONSON AND HIS SYNCOPHONISTS.
 9.45 p.m.—"Herald" News Service.
 Stock Exchange information.
 9.5 p.m.—Close down.
EVENING SESSION.
 8.50 p.m.—Answers to letters and birthday greetings by "MARY GUMBLEAF."
 9 p.m.—STUDIO QUARTET: "In Gosheland" (Greenwald).
 9.10 p.m.—Story for the Little Ones by "MARY GUMBLEAF": "Ho—Joan became a Fairy."
FOUR:
 "Why I Love my Dolly."
 "Gosheland."
 9.55 p.m.—STUDIO QUARTET: "On and On" (Lorenz).
 9.57 p.m.—Story for the Midgets Boys and Girls by "MARY GUMBLEAF": "The Devoted Friend."



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HEALING

W.W. 7/10/27

Inserted in the interests of A.K. Radio Dealers by the Australian Wholesale Distributors, A. G. Healing Ltd.

6.40 p.m.—Official Report of Newmarket Stock Sales, by the Associated Stock and Station Agents, Bourke Street, Melbourne; number of sheep drawn for week's sale.

6.45 p.m.—"Herald" News service.

Weather service.

Shipping Movements.

6.52 p.m.—Stock Exchange information.

6.55 p.m.—River reports.

6.59 p.m.—Fish Market, reports, by J. R. Borzell, Ltd. Rabbit prices.

7.0 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd. Poultry, Grain, hay, straw, tins, and produce, potatoes and onions. Market reports of fruit, by the Victorian Fruitgrowers' Association. Ballarat Stock Market reports, by Ballarat Stock and Station Agents.

NIGHT SESSION.

7.18 p.m.—Mr. HARRY CROCK: Impressions Abroad; Russia.

7.30 p.m.—Under the auspices of the UNIVERSITY OF MELBOURNE EXTENSION BOARD, Mr. W. M. BALL, M.A., Lecturer in Psychology to the University Extension Board, will speak on: "The Psychology of Inferiority."

7.45 p.m.—Mr. E. M. PASCOE will speak on: "Boys."

8 p.m.—MANZONI'S HAWAIIAN BAND: "That Certain Fairy."

"Kalaniana'ohi."

8.10 p.m.—S. HARCOURT FRENCH, tenor: "You Can't Love as I Do" (Paul Rubens). "Iovictus" (Bruno Hübner).

8.17 p.m.—MANZONI'S HAWAIIAN BAND: Spanish Guitar, Solo, G. MANZONI: "A Little Japanese Dream."

"My Hawaiian Maid."

8.24 p.m.—MYRTLE SKINNER, soprano: "It was a Lover and His Love" (Morley). "Sing Joyous Bird" (Billings).

8.31 p.m.—AGNES FORTUNE, piano: Rental of Works of Modern Composers.

8.41 p.m.—S. HARCOURT FRENCH, tenor: "The Blue Tree" (George). "My Song to You" (Percy Elliott).

8.48 p.m.—MANZONI'S HAWAIIAN BAND: "La Maloune."

"Aloha Oe."

8.55 p.m.—MYRTLE SKINNER, soprano: "Ecstasy of Spring" (Rachmaninoff). "The Trestle" (Rachmaninoff).

9.2 p.m.—MANZONI'S HAWAIIAN BAND: "Drifting and Dreaming."

Sung by Miss B. Lorraine, with Band Accompaniment.

9.7 p.m.—Announcements. THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS FOR EVERYBODY:

"Think 'Safety First' and 'Safety Always.'"

9.10 p.m.—SECOND ACT OF "MADAME POMPADOUR":

"Lamentation" from His Majesty's Theatre, by permission of J. C. WILLIAMSONS, LTD. Adapted by Frederick Lonsdale and Harry Graham.

Lyrics by Harry Graham. Music by Leo Fall.

Presented by arrangement with George Edouard (Daly's Theatre), Ltd., with THE ROYAL COMICO OPERA COMPANY.

First appearance in Melbourne of BEPPIE DE VRIES.

A story from the life of France's most beautiful woman. Mistress of King Louis, her ravishing beauty led to her being loved, abused, and thus she ruled France. She held the lives of high statesmen in her hands, and here were the keys of the grim prison, "The Bastille." Great losses of art, her artistic facilities in the beautiful palace of Versailles were world famous. Very good burlesque, as believed in the French proverb, "Women are the gods of the world." Love, romance, and finally ruled the life of "Madame de Pompadour."

CAST OF CHARACTERS (in the order of their appearance):

Joseph Colinet, by ARTHUR STIGANT.

Jacques, CONRAD CHARLTON.

Fanfullin, STANLEY ONGERS.

René (Comte de Mairac), FRANK WEBSTER.

(First Appearance in Melbourne) Madame Pompadour, BEPPIE DE VRIES.

(First appearance in Melbourne) Fouquet (assistant to Minister of Police), NORMAN TURNER.

Madame de Mairac, Minister of Police, LESTER HOLLAND.

Lieutenant Cornielle, CHARLES HAWTHORNE.

(In command of the Guard) Colin (Pompadour's Chamberlain) WILLIAM FERREYMAN.

Boucher (Court Painter), DAVID RAMSAY.

Ambassador, ANDREW McKEE.

Toirrelle (Porcelain Manufacturer), FRITZ BORNBERG.

Maidling, FRED DESMOND.

King Louis XV., NOEL DAINTON.

Lafais, Courtiers, Huntsmen, Soldiers, etc. The Play produced by FREDERICK S. BLACKMAN.

SYNOPSIS OF SCENERY.

ACT II.

The Pompadour's Apartments at Versailles.

MUSICAL PROGRAMME.

ACT II.

Introduction and Ensemble, Full Company. Song, "Carnival Time," Frank Webster and 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," Vera Spaul and Arthur Stigant.

Finale Act, Full Company.

10 p.m.—"Art News" Service. Meteorological information. British Official Wireless news.

10.30 p.m.—JOE ARONSON AND HIS SYNGO-SYNGOISTS.

10.40 p.m.—LILLY BURNARD AND ARTHUR SLATER will entertain you: "The Widow." "Old Ragtime Medley." "Striding Round the Town."

10.50 p.m.—JOE ARONSON AND HIS SYNGO-SYNGOISTS.

11 p.m.—DUB GREENE and ORGUETT: "Inevitably is cruel, but it is the only test of necessary strength."

11.11 p.m.—JOE ARONSON AND HIS SYNGO-SYNGOISTS.

11.40 p.m.—"GOD SAVE THE KING."

4QG, BRISBANE.

Tuesday.

MIDDAY SESSION.

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

1.20 p.m.—Lunch music played by Hotel Carlisle, 54 Rangoon Street.

1.58 p.m.—Standard time signal.

2 p.m.—Close down.

AFTERNOON SESSION.

3.50 p.m.—A programme of music by the Studio Orchestra, including: "Overture," "The Freischütz" (Von Weber); "Valse," "Die Fledermaus" (Gungl); "March, solo," "Fields" (Code), Mr. H. Jackson; "Fox-trot, "One Alone" (Klemperer); operatic selection, "Martha" (Plow); solo, without words, "The Song" (Mehscholch); Hungarian march, "Magyar Katonaság" (Polton).

4.10 p.m.—"The Telegraph" news.

4.30 p.m.—Close down.

EARLY EVENING SESSION.

6 p.m.—"Daily Standard" news; announcements.

6.45 p.m.—Lecturette.

6.50 p.m.—The Children's Session: Stories by "Uncle Jim."

7 p.m.—Market reports; stock reports.

7.20 p.m.—Weather signal.

"Daily Standard" news.

7.45 p.m.—Standard time signals.

7.55 p.m.—Lecturette: Talk on Sheep and Wool, by M. M. W. G. Brown (Instructor in Sheep and Wool).

NIGHT SESSION.

MUSIC WEEK.

HINAGA CHORAL SOCIETY and BRISBANE MUNICIPAL BAND.

To-night's programme will comprise the relaying of the big Recital held in the Exhibition Hall under the chairmanship of His Worship the Mayor, Alderman W. A. Daly, C.M.G., in connection with Brisbane's "Music Week."

FROM THE EXHIBITION HALL.

Programme by the Brisbane Choral Society, introduction by the Mayor, Brisbane Municipal Concert Band: choral, "Dance of the King"—from Alessandro Pope's "Die to St. Cecilia" (Haydn); choral, solo, "Enterberg" (Percy Brier), work by Mrs. M. Forster (Brisbane), Miss Marie Knight-Corliss's choral, "My Love Dwell in a Northern Land" (Ligeti), the choir, solo, "In Cellar Cool" (Old German), Mr. Tom Ryan; choral (duets)—(a) "Love and Summer" (West), (b) "Shower Songs of the Macdonell" (Taylor), (c) "Sons of the Mountains" (Debussey), Mr. Archie Daly, choral, "How Lovely Are Thy Dwellings"—requiem (Brahms), the choir; descriptive, "Shepherd's Song" (Sousa); Brisbane Municipal Concert Band, (Descriptive of an incident in the American Civil War, Success—the Federal Camp, waiting for the bugle to form; attack by Confederate Army; retreat; Shober's death; general flight of Federal troops; General Sheridan rides to the relief with timely reinforcements; victory; finale).

PART II.

BRISBANE APOLLO CLUB AND BRISBANE MUNICIPAL BAND.

"March and Procession of Daerhus" (Delibes) from the ballet "Sylvia"; "Brisbane Municipal Concert Band cantata, 'To the Sons of Art' (Meredith-Williams), Brisbane Apollo Club (this cantata was composed for the first meeting of the choir of Germany and Finland, as George J. Hill, solo, 'The Song of Klaus' (Berlioz), Miss Beatrice Dight-part song, 'Lochness' (Percy Brier), Brisbane Apollo Club (Mr. Percy Brier composed the number for, and arranged it to, the Brisbane Apollo Club, of which he is the deputy-conductor); solo, 'Topaze's Goodnight' (Maud Valere White); Miss Beatrice Dight-part song, 'Song of the Starry over the Water' (Schubert), Brisbane Apollo Club (the words of this grand number were written by Goethe and translated by Paul England); burlesque, "Three Blind Mice" (Joseph Lister), with numerous variations—(1) Incredulous, (2) religious, (3) clamorous noise, (4) walk, (5) zigzag, (6) polka (7) acrobatic dance, (8) funeral—Brisbane Municipal Concert Band.

FROM THE STUDIO.

10 p.m.—"The Daily Mail" news.

Weather service.

Close down.

6WF, PERTH.

Tuesday.

10.30 p.m.—Tune in.

10.35 p.m.—Marche, News, and Cable.

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

1.15 p.m.—Weather report supplied by the Meteorological Bureau of Western Australia.

1.5 p.m.—STUDIO INSTRUMENTAL TRIO.

1.50 p.m.—Close down.

3 p.m.—Tune in.

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

3.45 p.m.—Health talk by Mr. K. S. Hutton, of the Hutton School of Physical Culture.

"Music" relayed from the Grand Theatre, Murray Street.

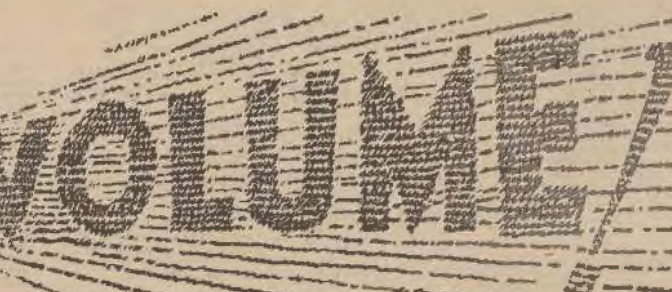
4.40 p.m.—Close down.

4.45 p.m.—Tune in.

5.00 p.m.—Stories for Tiny Tots by Auntie Kathleen.

7.20 p.m.—Stocks, Markets, News.

7.45 p.m.—Talk: "Wireless Troubles" by Dr. Fitt.

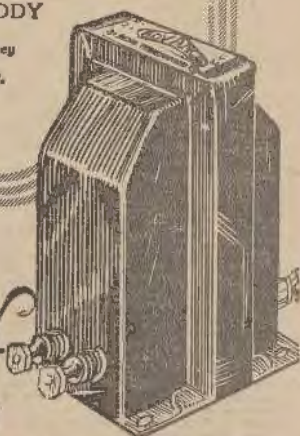


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ADVANCE

**AUDIO FREQUENCY
TRANSFORMER**

17/6

8 p.m.—Time signal from Perth Observatory.
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
ORCHESTRAL CONCERT.
 8.5 p.m.—Items by 4WFA Station Orchestra, conducted by Mr. Donald B. Moyle, A.T.C.I. Vocal assisting artists.
 10 p.m.—Late news items by courtesy of "The Daily News" Newspaper Co.
 Ships within range announcement.
 Weather report and forecast.
 10.30 p.m.—Close down.

7ZL, HOBART

Tuesday.
MORNING SESSION—11 a.m. to 12 noon.
AFTERNOON SESSION.
 8 p.m.—G.P.O. Clock Chimes.
 8.1 p.m.—Time in selection.
 8.1 p.m.—Hobart Stock Exchange quotations.
 Weather Information.
 Items of Interest: Announcements.
 8.15 p.m.—Orchestral Selections by 7ZL Studio Trio.
 8.45 p.m.—Cooking Talk, by "Regina".
 8.49 p.m.—Close down.
EARLY EVENING SESSION.
 8.20 p.m.—"Uncle Peter" talks to the Children.
 8.30 p.m.—"Uncle Peter's" half-hour.
NIGHT SESSION.
 7.30 p.m.—Musical selection.
 7.45 p.m.—Library League and Library Lists, by Mr. W. K. Fuller.
 7.59 p.m.—"Mercury" special Tasmanian News Service.
 Railway Auctions Produce Sales.
 Weather forecasts.
 Hobart Stock Exchange quotations.
 8 p.m.—G.P.O. Clock Chimes.
 8.1 p.m.—Concert from the Studio by Hobart Orpheus Club, under the direction of Mr. G. M. Foster.
 8.40 p.m.—British Official Wireless News.
 8.50 p.m.—"Mercury" special Tasmanian News Service.
 Ships within wireless range.
 Weather reports.
 9 p.m.—Weather Forecasts.
 Station announcements.
 National Anthem.

Wednes., Oct. 12 2FC, SYDNEY

EARLY MORNING SESSION.
 7 a.m. to 8 a.m.
MORNING SESSION.
 10 a.m.—"Big Ben," and programme announcements.
 10.6 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.
 10.48 a.m.—Studio music.
 11 a.m.—"Big Ben," Marching music for school children.
 11.6 a.m.—A. P. K. and Bender's Gales.
 11.10 a.m.—Studio music.
 11.15 a.m.—A talk on home cooking and recipes by Miss Ruth Durr.
 11.39 a.m.—Close down.
MIDDAY SESSION.
 12 noon—"Big Ben," and announcements.
 12.2 p.m.—Stock Exchange, first call.
 12.3 p.m.—Official weather forecast, rainfall.
 12.6 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.—ANNIE SEDGES, mezzo:
 "My Christmas Tree" (Maclean).
 12.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 Leader Mr. Hubert Keats.
 12.50 p.m.—Studio music.
 1.0 p.m.—"Big Ben," Weather Intelligence.
 1.10 p.m.—"Kissing Game" melody cow service. Producer's Distributing Society's copyright.
 1.20 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 1.25 p.m.—Stock Exchange, second call.
 1.40 p.m.—Marching music for school children.
 1.50 p.m.—"Kissing Game" melody cow service. "A Song of Waiting" (Wright).
 1.59 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 1.65 p.m.—Studio music.
 2 p.m.—"Big Ben," Close down.

AFTERNOON SESSION.
 3 p.m.—"Big Ben" and announcements.
 3.3 p.m.—THE LYCEUM THEATRE ORCHESTRA.
 Note: During the afternoon results of the Shooting at the National Rifle Association's Meeting at Liverpool will be broadcast.
 3.35 p.m.—A reading.
 3.50 p.m.—Eather Herford, soprano:
 "The Love song of Sir Duns" (Barton).
 3.50 p.m.—Marching music for school children.
 3.54 p.m.—Hilda Nelson, soprano:
 "The Heroic" (Lagan).
 4.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 4.53 p.m.—THELMA LANDSDOWNE, mezzo:
 "The song is sweet" (Saks South).
 4 p.m.—Ethel Muller, contralto:
 "Summer Rain" (Widley).
 4.8 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 4.16 p.m.—Eather Herford, soprano:
 "God touched the Rose" (Brown).
 4.29 p.m.—Hilda Nelson, soprano:
 "The Reason" (de Meijo).
 4.55 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 4.56 p.m.—Thelma Landsdowne, mezzo:
 "I love the moon" (Babette).
 4.40 p.m.—Ethel Muller, contralto:
 "O' Sun O' Day".
 4.45 p.m.—Stock Exchange, third call.
 4.50 p.m.—THE LYCEUM THEATRE ORCHESTRA.
 4.57 p.m.—"Big Ben," Close down.
EARLY EVENING SESSION.
 6.40 p.m.—The chimes of 2FC.
 6.45 p.m.—"The Hello, Hello" talks to the children.
 6.15 p.m.—"Uncle Tom and Jerry" entertain.
 6.30 p.m.—Story time for the young folk.
 6.43 p.m.—Studio music.
 6.50 p.m.—Late sporting news.
 7 p.m.—"Big Ben," Dalby's market reports (wheat and sheep).
 7.8 p.m.—Fruit and vegetable markets.
 7.10 p.m.—Weather and shipping news.
 7.15 p.m.—"Evening News" late news service.

NIGHT SESSION.
 7.33 p.m.—Programme announcements.
 7.45 p.m.—A look review by Mr. Graham Smith.
 7.45 p.m.—Francis Camp, baritone:
 (a) "The Seine" (Verdi).
 (b) "A song remembered" (Cnates).
 7.52 p.m.—A talk on Health Work.
 7.58 p.m.—Excerpts by the local items.
 8 p.m.—"Big Ben," FROM HER MAJESTY'S THEATRE, SYDNEY. Excerpts from the musical comedy:
 "THE CHOCOLATE SOLDIER."
 The Overture to the first act will be heard, and during the evening the most popular choruses will be broadcast.
 8.10 p.m.—FROM THE STUDIO: Win and Wandle, English entertainers.
 8.22 p.m.—Jessie Smith, soprano from B.L.G. Melbourne (from the Studio).
 8.30 p.m.—Cricketing reminiscences prepared by Mr. Frank Harper and told by Mr. L. G. Watt.
 8.35 p.m.—From Her Majesty's Theatre, Sydney: Excerpts from the musical comedy, "The Chocolate Soldier" (by permission of J. C. Williamson, Ltd.).
 8.40 p.m.—From the Studio: Win and Wandle, English entertainers.

8.58 p.m.—Harry White, novelty pianist.
 9.0 p.m.—Late weather forecast.
 9.4 p.m.—From Her Majesty's Theatre, Sydney: Excerpts from the musical comedy, "The Chocolate Soldier." Act Two, Opening Chorus, and other numbers.
 9.50 p.m.—From the Studio: Win and Wandle, English entertainers.
 9.56 p.m.—Francis Camp, baritone:
 "Sezenade" (Schubert).
 "Youth" (Allaire).
 9.52 p.m.—Harry White, novelty pianist.
 9.57 p.m.—From Her Majesty's Theatre, Sydney: Excerpts from the musical comedy, "The Chocolate Soldier."
 9.59 p.m.—Jessie Smith, soprano, from B.L.G. Melbourne (from the Studio).
 "Blackbird Song" (Cyril Scott).
 "The Boat Song" (Ware).
 10.00 p.m.—Shirley Cooke, contralto.
 10.12 p.m.—Late weather forecast.
 10.12 p.m.—From Her Majesty's Theatre, Sydney (by permission of J. C. Williamson, Limited): Excerpts from "The Chocolate Soldier"; Musical Comedy.
 10.18 p.m.—From the Studio:
 Shirley Cooke, contralto.
 10.19 p.m.—Harry White, novelty pianist.
 10.21 p.m.—From Her Majesty's Theatre, Sydney: Excerpts from "The Chocolate Soldier."
 10.30 p.m.—Shirley Cooke, contralto.
 10.35 p.m.—Harry White, novelty pianist.
 10.43 p.m.—From Her Majesty's Theatre, Sydney: Items from "The Chocolate Soldier."
 10.47 p.m.—From the Studio, late news and announcements.
 11 p.m.—"Big Ben."
 Dance music until 11.30 p.m.
 11.50 p.m.—National Anthem.
 Close down.

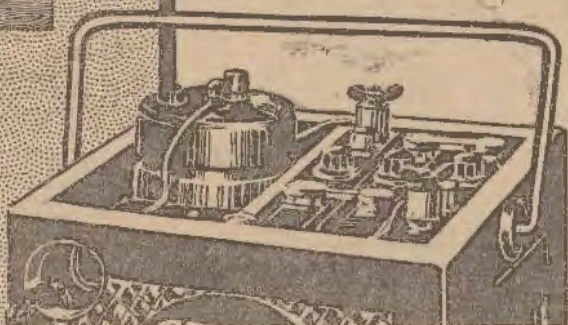
2BL, SYDNEY.

Wednesday.
EARLY MORNING SESSION—7 to 8 a.m.
MORNING SESSION.
 11 a.m.—G.P.O. Clock and Chimes.
 Musical programme from the Studio.
 11.10 a.m.—Talk on "Roving," by Miss Green Varley, Broadcasters' Women's Sports Authority.
 Health Talk by Mrs. Jordan.
 Talk on "Dental Hygiene," by a member of the Dental Board.
AFTERNOON SESSION.
 Reading Information broadcast immediately after each Race, by courtesy of the "Sun."
 12 noon—G.P.O. Clock and Chimes.
 Special Ocean Forecast and Weather Report.
 12.3 p.m.—Briswick Produce Market Report.
 12.45 p.m.—Information: Mail, Shipping, and Post.
 12.18 p.m.—Boats to call by wireless.
 12.30 p.m.—Fruit Market Report.
 12.38 p.m.—Vegetable Market Report.
 12.44 p.m.—Liquor Market Report.
 12.50 p.m.—Dairy and Patis Market Report.
 12.50 p.m.—G.P.O. Clock and Chimes.
 Produce Market Report.
 12.53 p.m.—Bull Market Report.
 12.54 p.m.—Bull Market Report.
 12.56 p.m.—Stock Exchange Report.
 12.58 p.m.—News from the "Sun."
 1.00 p.m.—Hilary Tennant Quartet; direction, Cheryl Caillagh.
 1.01 p.m.—Stock Exchange Report.
 1.02 p.m.—G.P.O. Clock and Chimes.
 Talk to children and special Entertainment for Children in Hospital.
 1.05 p.m.—G.P.O. Clock and Chimes.
 Musical programme from the Studio.
 1.10 p.m.—"Big Ben" and "The Great Countdown" by Mr. Sautera.
 1.15 p.m.—News from the "Sun."
 1.20 p.m.—Operatic Talk: "The Great Countdown" by Mr. Sautera.
 1.25 p.m.—News from the "Sun."
 1.30 p.m.—"The Great Countdown" by Mr. Sautera.

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For one solid month I have been taking a course of election speeches, with the result that I have thought of buying a rubber tube to link up with the gas jet, and thus happily escape the horrible events predicted by both sides if the other fellow gets in!

If the Snow Whites win, then complete frostbite must follow. If the Reds triumph, we are due for fatal scarlet fever. Either way we are doomed.

Balanced on a ballot box, I wobble precariously between political precipices without a parachute.

It all reminds me of a cross between the Monkey Gland treatment and the old style Patent Medicine Ad. On the one hand, if you vote aright, you are promised long life and pure pep. On the other hand, if you vote wrongly, you will suffer from everything but Housemaid's Knee.

One cannot even take Punch's matrimonial advice to young lovers—"When in doubt, Don't!"—or an unfeeling Police Court will fine you for surf bathing instead of voting!

There is only one thing to do—in-
stall a new 83X Rechargeable Philco
"D" Battery and listen in on Japan.
The less you understand, the more
soothing the effect.

As a matter of fact, the man who craves long distance reception will find the Philco a perfect boon. It gives just that additional power and volume which turn the trick.

Unlike an election candidate, the Philco doesn't cackle nor does it spill acid around; all its promises are kept and you can see through it at any time; when it finally runs down, you can recharge it at home for a few pence.

Therefore, my advice to fellow sufferers is to obtain peace by calling to-day at New System Telephones Pty., Ltd., 280 Castlereagh Street, and saying "Philco!" like a Loud Speaker.

5.10 p.m.—Musical programme from the Studio.
5.20 p.m.—Talk on "How to Maintain Your Health," by Dr. De Maurier.
5.30 p.m.—Dungowan Dance Band, broadcast from the Dungowan Cabaret.
6 p.m.—G.P.O. Clock and Chimes.
News from the "Sun."
6.10 p.m.—Social Story.
6.15 p.m.—Dungowan Dance Band.
6.40 p.m.—News from the "Sun."
6.55 p.m.—Resume of night's programme.
6.57 p.m.—Racing Results.
6.59 p.m.—Special Ocean Forecast.
8 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.
6.30 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 Reports ("Sun").
Dairy Produce Report ("Sun").
N.R.M.A. Talk.
7.15 p.m.—Country News, from the "Sun."
7.20 p.m.—Talk on "Health Week."
7.30 p.m.—Talk by a member of the St. John Ambulance Association.

EVENING SESSION.

8 p.m.—G.P.O. Clock and Chimes.
Broadcasters' Festival Chorus.
8.5 p.m.—A Recital from the Straube Piano Salon.
9.25 p.m.—Mr. Reg Harrison (comedian).
9.40 p.m.—The Canterbury District Band (Bandmaster, Mr. Stan Nicholls), broadcast from Baker's Hall, Canmore.
9 p.m.—G.P.O. Clock and Chimes.
9.1 p.m.—Weather Report and Forecast, by courtesy of Mr. C. Maros, Government Meteorologist.
9.2 p.m.—Jazz music from the Golf Club, Manly.
9.12 p.m.—Broadcasters' All-Sports Report will talk on Boxing, Golf, and Sporting News.
9.27 p.m.—The Canterbury District Band.
9.47 p.m.—Miss Mab Fotheringham (soubrette).
9.54 p.m.—Jazz Music from the Golf Club Hall, Manly.
10.4 p.m.—Mr. Reg Harrison.
10.11 p.m.—Jazz Music from the Golf Club Hall, Manly.
10.21 p.m.—Miss Mab Fotheringham.
10.28 p.m.—Jazz Music from the Golf Club Hall, Manly.
11 p.m.—G.P.O. Clock and Chimes.
National Anthem.

2GB, SYDNEY

Wednesday.

MORNING SESSION.

9 a.m.—Music.
9.5 a.m.—"Cherrie" Talk.
9.15 a.m.—Music.
9.25 a.m.—Psychological Class.
9.40 a.m.—Health and Diet.
10 a.m.—Close down.

AFTERNOON SESSION.

3.28 p.m.—Music.
3.37 p.m.—Address.
3.52 p.m.—Music.
4 p.m.—Address.
4.23 p.m.—Music.
4.39 p.m.—Close down.

EVENING SESSION.

7 p.m.—Music.
7.5 p.m.—Address.

7.15 p.m.—Music.
7.20 p.m.—Health Week.
7.30 p.m.—Address.
7.55 p.m.—Songs by Eva Craft:
1. "Dewy Violets" (Specialist).
2. "Romance" (Dancer).
8.5 p.m.—Address by Professor Ernest Wood.
8.20 p.m.—Instrumental Trio:
MONICA BORDER, MURIELLE LANG, ADA BROOK.
8.31 p.m.—4GB VOCAL QUARTETTE:
1. "Now is the Time for Making."
2. "The Front and the Crown of Spring."
3. "Sleep, Gentle Lady."
ETHEL JONES, EVA CASIMIR, THOMAS HALL, CLEMENT HOSKING.

8.40 p.m.—Solo Solo: MURIELLE LANG.
1. "Lullaby" (Cyril Scott).
2. "Dautcher Tanz" (Dittersdorf).
8.55 p.m.—Songs by Clement Hosking:
"Wonder Thirl" (London Ronald).
"Sylvia" (Osby Sprack).
9 p.m.—Humorous Sketch, by Mr. Heath Barwick and Miss Agnes Lee.
9.15 p.m.—Piano Solos, ADA BROOK:
1. "Caucasian" (Kluchak).
2. "Folies: A Feu" (Lopina).
9.25 p.m.—Songs, ETHEL JONES:
1. "A Birdie" (Cowan).
2. "Tairy Song" (Jégar Mandocan).
9.30 p.m.—4GB VOCAL QUARTETTE:
1. "The Bine Bull of Scotland."
2. "Ode to the Scilly Night."
3. "Fores" (Schuss).
ETHEL JONES, EVA CASIMIR, THOMAS HALL, CLEMENT HOSKING.
9.40 p.m.—Instrumental Trio:
MONICA BORDER, MURIELLE LANG, ADA BROOK.
9.50 p.m.—Address.
10 p.m.—Close down.

2UW, (SYDNEY)

Wednesday.

MORNING SESSION.

9 a.m.—News: Shipping, Mail, Minister telegrams.
9.15 a.m.—Women's Session.
9.35 a.m.—Resume of forward programme.
10 a.m.—Close down.

AFTERNOON SESSION.

2 p.m.—Studio Selections, Dance and Instrumental Items.
2.55 p.m.—Resume of forward programme.
3 p.m.—Close down.

EVENING SESSION.

5 p.m.—Studio Items.
5.55 p.m.—Resume of forward programme.
6 p.m.—Close down.

NIGHT SESSION.

7 p.m.—Where to Go.
7.10 p.m.—Studio Selections, Dance and Instrumental Items.
7.30 p.m.—Chat on Natural History: "Giants in Past Ages," by George Manual.
7.45 p.m.—Gordon James McDonald:
Jazz Interlude.
8 p.m.—Chat on "Life-Saving," by F. E. Salmon.
8.10 p.m.—Lionel Handley:
Pianoforte solo.
8.15 p.m.—Richard W. Gillespie, baritone:
Selected.
8.20 p.m.—Lionel Handley:
Pianoforte solo.
8.25 p.m.—Richard W. Gillespie, baritone:
8.30 p.m.—Honora Selections.
8.35 p.m.—Lionel Handley: Pianoforte solo:
Selected.
9 p.m.—Lionel Handley: Pianoforte solo:
Selected.
9.8 p.m.—Studio Items.
9.25 p.m.—Resume of forward programme.
9.30 p.m.—Close down.

3LO, MELBOURNE.

Wednesday.

MIDDAY SESSION.

12 noon.—Time Signal. Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange for this day. British Official Wireless news from Rusty, Reuters and the Australian Press Association cables. "Argus" news service.

12.30 p.m.—JOE ARONSON AND HIS SYNCO-SYMPHONISTS:
"Pal of My Loosejaw Hours" (Hirsch).
"Don't Sing Aloha to Me" (Mcrott).
"Tro Donna Charleston Buck Home"
(Byron).

12.30 p.m.—FREDA NORTHCOLE, contralto:
"Just a Cottage Small"
"A Little Pink Rop" (Jacob Bond).

12.37 p.m.—Stock Exchange information.

12.40 p.m.—JOE ARONSON AND HIS SYNCO-SYMPHONISTS:
"Cook a Doodle I'm off My Noodle, My Baby's Back" (Johnson).
"My Pal Jerry" (Ezee).
"How Could Red Riding Hood"

12.50 p.m.—LILY BURMAND AND ARTHUR SLATER:

"I was an Extra Lady."
"If I were Young again I'd Join the Army."
"The Liberty Bell March."

1 p.m.—3LO's TIME SIGNAL. Have you an appointment to keep? Remember the early bird catches the worm.

1.1 p.m.—JOE ARONSON AND HIS SYNCO-SYMPHONISTS:
Selected.

1.15 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.

1.18 p.m.—FREDA NORTHCOLE, contralto:
"Good Morning, Brother Sunshine" (Lehmann).

"Sing, Happy Bird" (Liddle).
1.25 p.m.—JOE ARONSON AND HIS SYNCO-SYMPHONISTS:

"The Student Prince Waltz."
"He's the Last Word" (Kahn).

1.30 p.m.—Description of Enns Hurdle, two miles 48 yards, V.A.T.C., CAULFIELD, by "Musket," of "The Sporting Globe."

1.35 p.m.—ROTARY CLUB LUNCHEON: Speeches transmitted from ANZAC HOUSE.

1.40 p.m.—Close down.
2.30 p.m.—Description of Mons Nursery, 4½ furlongs, V.A.T.C., CAULFIELD, by "Musket," of "The Sporting Globe."

2.35 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—STUDIO QUARTET:
"Scenic Echoes" (Griffewald).
3.5 p.m.—Description of Herbert Power Stakes, one furlong three furlongs, w.f.a., V.A.T.C., CAULFIELD, by "Musket," of "The Sporting Globe."

3.58 p.m.—KATHLEEN SIMMS, soprano:
"Batti, Batti" (Mozart).
"The First Primrose" (Grieg).

3.11 p.m.—DOROTHY ROXBURGH, viola:
"Morning Mood" (Grieg).
"Death of Asa" (Grieg).

3.26 p.m.—STUDIO QUARTET:
"The Gipsy Caravan" (Langey).

3.38 p.m.—BERT SUPCLIFFE, tenor:
"The Blind Fiddler" (Clarke).
"Thou Little Tender Flower" (Del Riego).

3.45 p.m.—Description of Moons Handicap, seven furlongs, V.A.T.C., CAULFIELD, by "Musket," of "The Sporting Globe."

3.50 p.m.—KATHLEEN SIMMS, soprano:
"Songs My Mother Taught Me" (Dvorak).
"When Love is Kind" (Old English).

3.57 p.m.—BERTHA JOERGENSEN, violin:
Selected.
4.5 p.m.—STUDIO QUARTET:
"Over the Waters" (Hoffman).

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- 4.18 p.m.—BERT BUTCLIFFE, baritone.
"Go, Lovely Rose" (Quilter).
"What a Wonderful World" (Lohr).
- 4.30 p.m.—STUDIO QUARTET:
"Dance of the Amazons" (Laskin).
- 4.35 p.m.—Description of Conny Handson,
one mile three furlongs, V.A.L.O., GAIL-
FIELD, by "Musket," of "The Sporting
Club."
- 4.50 p.m.—AGNES FORTUNE AND REGI-
NOLD BRADLEY, violin and piano:
"Sylviane Fantasy" (Dvorak-Kremler).
Waltz.
- 4.40 p.m.—"Herald" news service.
Stock Exchange Information.
- 5 p.m.—Description of Moore Weller, one
mile, V.A.L.O., GAILFIELD, by "Musket,"
of "The Sporting Club."

EVENING SESSION

- 8.30 p.m.—Answers to letters and birthday
greetings, by "MARY MARY."
- 9 p.m.—STUDIO QUARTET:
"A Morning in Nook's Ark."
- 9.10 p.m.—PAT McLEAN, comedienne:
"Impersonations that will Amuse the Chil-
dren."
- 9.15 p.m.—"MARY MARY" will tell the story
of:
"The Riddle of the Sphinx."
- 9.32 p.m.—PAT McLEAN, comedienne:
"Frustrations."
- 9.40 p.m.—"Herald" news service.
Weather reports.
Shipping movements.
- 9.47 p.m.—Stock Exchange reports.
- 9.52 p.m.—Fish Market reports by J. R. Bor-
rett, Ltd. Rabbit prices.
- 9.55 p.m.—River reports.
- 9.58 p.m.—Market reports. Official reports of
Newmarket sheep sales by the Associated
Stock and Station Agents, Bourke Street,
Melbourne. Poultry, grain, hay, straw, ju-
dicial produce, potatoes and onions.
- 7 p.m.—Market reports of fruit by the Victo-
rian Fruiters' Association.
- Hallmark pig market report, by the Hallmark
Stock and Station Agents.

NIGHT SESSION

- 7.16 p.m.—Under the auspices of the Agricul-
tural Department, MR. R. CHOWE, Acting
Director of Agriculture, will speak on "Mar-
keting Methods."
- 7.30 p.m.—BRUCE SMALL, holder of the
Sydney to Melbourne Road Cycling Record:
"Opportunities Chances of Breaking It."
- 7.41 p.m.—CAPTAIN PRICES will speak on:
"Rocks Wise and Otherwise."
THE MESSAGE OF THE HEALTH ASSO-
CIATION OF AUSTRALIA for to-day is—
ask yourself these Health Questions:
(1) Have fresh air where I live and work?
(2) Wear light, loose, porous clothes?
(3) Get out-of-doors?
8 p.m.—STUDIO PRESENTATION of the
Sweetheart of this Springtime:
"THE MERRY WIDOW."
Adapted from the German of Victor Leco-
q and Leo Stein. Lyrics by Adrian Ross.
Music by Franz Lehár.
Characters:
Viscount Camille de Suldron, HORACE
WHITE
Marquis de Capocci, IREN MILLER.
M. de St. Droche, JOHN DONOVAN,
General Novikovich (military attaché).
Nish (messenger in the Legation),
MADRIE BUTLEY.
M. Khadja (Councillor Legation), CHARLES
HOSKING.
Prince Danilo (Secretary of Legation),
HUGH HILLMAN.
Batach Popoff (Austrovan Ambassador in
Paris), ALFRED ANDREW.
Walter de Maxin's, FRED DREW.
Natalie (wife of Popoff), EDITH HUTTON.
Oira (wife of Novikovich), JERAN KELLY.
Sylviane (wife of Khadja), IVY CARLYLE.
Petrkovska, Lolo (Giris at Maxin's), MERLE
GRIFFIN.
Sousa (The Merry Widow), RAFFO ARNAV.
MUSICAL NUMBERS.

ACT I

- Opening Chorus: Now Ladies and Gentlemen.
Ball music.
- Urei (Natalie and Camille): A Duffful Wife
(We are alone, there's no one here).
Entrance Song (Sousa and Chorus). "In
Maxin's" (Henderson, I pray). We can-
not, fear (reprise away).
Ball music.
Song (Danilo), "Makin's" (My fatherland
is for the sake).
- Finale (Finale) Chorus, (They the universal
voice).

ACT II

- Opening chorus and song (I had thee wait
here for a minute).
Song (Sousa), "Urei" (There was once a
Villain, a witch of the wood).
Duet (Sousa and Danilo). "The Cavalier"
(Danilo, madam! See him ride).
March—Song, "Women" (Oh, the women!
Oh, the women!).
Duet (Sousa and Danilo).
Duet (Natalie and Camille), and Oh, say no
more!
Romance (Camille), "Love in my Heart"
(I love in My Heart Awakening).
Finale (That he! That he! Well, gentlemen,
what is your will!).

ACT III

- Opening scene.
Coke Waltz.
Ball music.
Reinstatement.
Valse Duet (Sousa and Danilo), "I Love
You So" (Though I see not what I may
not, let you hear).
Finale (You may study her ways as you
can).
- 10.15 p.m.—"Argus" news service. Metro-
logical information. British Official
Wireless News. THE ROYAL AUTOMOBILE
CLUB VICTORIA'S SAFETY MESSAGE
FOR TO-DAY IS:
"Your body is the part of your capital.
Don't invest it in the Bank of Careless
Hedonism."
10.25 p.m.—JOE ARONSON AND HIS
SYNCO-SYMPHONISTS.
10.35 p.m.—LILLY BURNARD AND ARTHUR
BLATTER
"Write Here for Romance."
"If You Want to Win a Girl."
"The Whistling Coon."
10.45 p.m.—Announcements.
10.49 p.m.—JOE ARONSON AND HIS
SYNCO-SYMPHONISTS.
11 p.m.—OUR GREAT THOUGHT:
"Nobility is short-lived, fame is lasting."
—Franklin.
11.1 p.m.—JOE ARONSON AND HIS
SYNCO-SYMPHONISTS.
11.49 p.m.—"GOD SAVE THE KING."

4QG, BRISBANE.

Wednesday.

EARLY MORNING SESSION.

- 6.30 a.m.—Physical culture session.
- 7 a.m.—Close down.

MIDDAY SESSION

- 1 p.m.—Market reports: weather information;
"The Daily Mail" and "The Daily Standard"
news.
- 1.30 a.m.—Lunch hour music played by the
Prestia Institute Orchestra.
- 1.58 p.m.—Standard time signal.
- 2 p.m.—Close down.

AFTERNOON SESSION

- 2.30 p.m.—Afternoon tea music from the
Prestia Institute Orchestra.
- 4.15 p.m.—Beauty talk by Dorothea Webster;
and "Telegraph" news.
- 4.50 p.m.—Close down.

EARLY EVENING SESSION.

- 5 p.m.—“Daily Standard” news. Announcements.
- 6.15 p.m.—Lecturette.
- 6.30 p.m.—The Children’s Hour: Stories by “Little Miss Brisbane.”
- 7 p.m.—Special news service; market reports; stock reports.
- 7.30 p.m.—Weather news. Announcements.
- 7.45 p.m.—Standard time signal.
- 7.45 p.m.—Lecturette: “The Beginnings of Queensland Rotations,” by Mr. P. C. Baworth (Queensland Agricultural High School and College).

STUDIO PROGRAMME.

FROM THE STUDIO:

- 8 p.m.—March, “The Gay Gallant” (Raife), the Studio Orchestra (conductor, Mr. A. H. Featherstone); solo, “Songs of the Veiga Heather,” by “Jack”; soprano solo, selected, Mrs. E. G. Allen; Scotch comic, “Where is My Wandering Wife To-night?” (Mills), by “Jack”; Hawaiian instrumentalists in selected numbers, the QQQ Hawaiians; vocal duet, “Home Beyond,” by “Rita” and “Tam”; tenor solo, “Spine of Aracady” (Heads), by “Tam”; vocal, “Echoes of Spring” (Miles), the Studio Orchestra; organ selection, by “Tam,” assisted by “Rita” and “Jack”; bass solo, “The Wolf” (Shield), by “Rita”; Hawaiian instrumentalists in selected numbers, the QQQ Hawaiians; Scotch comic, “When I Meet Muckay” (Lander), by “Jack”; tenor solo, “The Sea Gipsy,” by “Tam”; extracts, “Among the Fairies” (Pety), the Studio Orchestra.

- 9 p.m.—Metropolitan weather forecast.

PART II.

MUSIC WEEK—RECITAL FROM EXHIBITION HALL.

The second portion of the programme will comprise the broadcasting of a special recital from the Exhibition hall in connection with Brisbane’s “Music Week.”

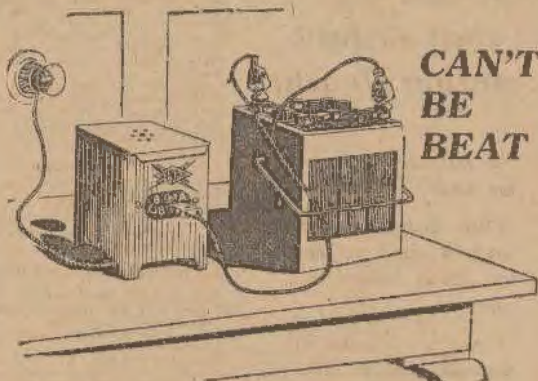
FROM THE EXHIBITION HALL: UNIVERSITY OF QUEENSLAND MUSICAL SOCIETY.

- 9 p.m.—Kylie (Maas), “Acterna Christi Mucera” (Palastrina—1515-1594) motet, “O How Glorious is the Kingdom” (Vittoria—1560-1604), contralto solo, “The Pausing of the Moon” (H. Purcell—1658-1695), Miss Gladys Spurgin, B.A., Rota, “Summer in 2-amen,” (Circa—1210), “Agnus Dei Song” (Circa—1115). (a) This is the earliest specimen of harmonized music in existence, and was composed about the year 1200, probably by a monk at Reims. The composition consists of a “round” for four voices, while the tenor and basses fill in an unvarying refrain underneath. (b) The melody and words of this song were sung by choirs of boys in green Henry V. on his entry into London after the victory of Agincourt. Whether the composition itself or merely the rendering thereof displeased him, the King forbade further performances and ordered the people to return thanks to God alone. The arrangement sung to-night has been made by Mr. Geoffrey Shaw, the well-known authority on early English folk-song. “Vallis sola,” “Tempo di Minuetto” (G. Pugnani—1751-1798, arr. Kreinler), Mr. E. Edmiston, M.Sc. Madrigal, “Ave, Awake” (T. Morley—1547-1592). North-Country folksong, “Bobby Shaftoe” (arr. W. G. Whitaker).

FROM THE STUDIO:

- 10 p.m.—“The Daily Mail” news. Weather news. Close down.

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1 .00025 Wireless Condenser, 1/6		2 Brachiatas, each	4/9
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12.30 p.m.—Tune in.
12.35 p.m.—Markets, News, and Cable.
1 p.m.—Time signal from Perth Observatory.
1.1 p.m.—Weather notes supplied by the
Meteorological Bureau of Western Australia.
A RELAYED CONCERT—
1.2 p.m.—Lunch-hour concert arranged by
Messrs. Masgrove's Limited, Music Warehouse,
Murray Street.
1.30 p.m.—STUDIO QUARTETTE.
1.4 p.m.—Close down.
3.30 p.m.—Tune in.
3.35 p.m.—Musical programme from the studio,
including vocal and instrumental numbers.
Orchestral music by Hoyts Orchestra, con-
ducted by Mr. Harold Partridge, relayed
from Hoyts Regent Theatre, William
Street.

4.30 p.m.—Close down.
4.45 p.m.—Tune in.
5.30 p.m.—Stories for the Kiddies by Auntie
Marjorie, and Uncle Henry, Leslie, Percy
and Duffy.
5.20 p.m.—Stocks, Markets, News.
7.45 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.
A RELAY—
8.3 p.m.—Musical programme relayed from
Charles Street Methodist Church.
9 p.m.—Grand Cantata: "Penitence, Pardon
and Peace" Solists: Miss Nellie Cutler,
soprano; Mr. H. J. Leckie, baritone.
10 p.m.—Late news items by courtesy of "The
Daily News" Newspaper Co.
Ships within Range announcement.
Weather Report and forecast.
10.30 p.m.—Close down.

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Thurs., Oct. 13
2FC, SYDNEY

EARLY MORNING SESSION.

7.5 a.m. to 8.9 a.m.

MORNING SESSION.

10.0 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.—East Minute Racing Information
by the 2FC Correspondent.
10.45 a.m.—From the Crystal Palace Theatre,
George Street, Sydney: An Organ Recital
by Mr. Hal Stead.
11.0 a.m.—"Big Ben"; Marching Music for
School Children.
11.5 a.m.—A P.A. and Reuter's Cable Services.
11.10 a.m.—From the Crystal Palace Theatre,
George Street, Sydney: Items by Mr. Hal
Stead at the Grand Organ.
11.30 a.m.—Close Down.

MIDDAY SESSION.

12.0 noon—"Big Ben"; and Programme An-
nouncements.
12.2 p.m.—Stock Exchange, first call.
12.3 p.m.—Official Weather Forecast; Rainfall,
Temperatures.
12.5 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 Child-
ren.

12.40 p.m.—Lorraine Jarman, Soprano:
"April is a Lady" (Phillips).
12.45 p.m.—The Oak Hall Instrumental Trio.
12.55 p.m.—Studio Music.
1.0 p.m.—"Big Ben"; Weather Intelligence.
1.3 p.m.—"Evening News" Midday News Ser-
vice; Producers' Distributing Society's Re-
lay.
1.30 p.m.—The Oak Hall Instrumental Trio.
1.35 p.m.—Stock Exchange, second call.
1.40 p.m.—Marching Music for School Child-
ren.
1.40 p.m.—Lorraine Jarman, Soprano.
"Before the Dawn" (Lamy).
1.45 p.m.—Studio Music.
1.50 p.m.—Last Minute Racing News by the
2FC Commissioner.
2.0 p.m.—"Big Ben"; Close Down.

AFTERNOON SESSION.

3.0 p.m.—"Big Ben" and Programme An-
nouncements.
3.3 p.m.—Rose Brakell, Contralto:
"Shadows" (Malloum).
3.7 p.m.—Duet, "The Two Festive Carol-
lers": (The of the Waterbury) (Morris).
3.11 p.m.—Auntie Davey, mezzo:
"Where the Her Spans" (Aray).
3.15 p.m.—Solo reader, "The Two Festive
Carolers".
3.25 p.m.—Duet, by the "Two Festive
Carolers":
"You don't like it, not much" (Kahn).
3.30 p.m.—Marching music for school child-
ren.
3.40 p.m.—Dorothy Benbow, contralto (from
Farmer's Tea Rooms).
3.45 p.m.—THE OAK HALL INSTRUMEN-
TAL TRIO (Leader, Mr. Horace Keeler).
3.50 p.m.—Rose Brakell, contralto:
"Just awaysin' for you" (Bond).
4 p.m.—"Big Ben" Joyce Gillespie, soprano
(from Farmer's Tea Rooms).
"Over the Meadow" (Garew).
4.5 p.m.—THE OAK HALL INSTRUMEN-
TAL TRIO.
4.15 p.m.—Duet, by the "Two Festive Carol-
lers" (from the studio):
"Just the same" (Donselaan).
4.20 p.m.—Dorothy Benbow, contralto (from
Farmer's Tea Rooms).
4.25 p.m.—THE OAK HALL INSTRUMEN-
TAL TRIO.
4.30 p.m.—Auntie Davey, mezzo (from the
studio):
"Little Brown Bird" (Ded Riego).
Note.—During the afternoon recess of the
shooting at the annual meeting of the
National Rifle Association, Liverpool, will
be broadcast.
4.40 p.m.—Joyce Gillespie, soprano:
"Hurry Up, April" (Travers).
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Duet, by the "Two Festive Carol-
lers":
"Collette" (Kahn).
4.50 p.m.—Popular records from the studio.
5 p.m.—"Big Ben"
Close down.

EARLY EVENING SESSION.

5.40 p.m.—The chess of 2FC.
5.45 p.m.—The "Hello Man" talks to the
children.
6.15 p.m.—Story time for the young folk.
6.40 p.m.—Studio music.
6.40 p.m.—Late sporting information.
7 p.m.—"Big Ben"; Dalgety's market reports
7.5 p.m.—Fruit and vegetable markets
(wool, wheat and stock).
7.10 p.m.—Shipping and weather information.
7.15 p.m.—"Evening News" late news ser-
vice.

NIGHT SESSION.

7.30 p.m.—Programme announcements.
7.35 p.m.—From the Liverpool "Gossip" Heads
club on the occasion of the annual
meeting of the National Rifle Association: A
concert supplied by 2FC articles (by ar-
rangements with Major Dakin), including
the following:—
Ad Cree, Scotch comedian:
"When I meet McKay" (Lauder).

- "The Mayor" (Grant).
 Gwalter Elmister, organist.
 Mary Judd, violinists:
 "Serenade" (Hubay).
 "Gavotte" (Goswin).
 "Introduction to 'Filaristella'" (Sarasate).
 "Minuet" (Beethoven).
 Bertha Warren, soprano.
 Joe Cahill, entertainer.
- (a) "No Soda."
 (b) "The Preferential Creditor."
 (c) "My Little Son" (McEvoy).
 - "Oceanville" (Yubien Louis).
 - "Winter Dookey on Visiting the Doctor" (Dunne).
 - "A wee Scotch night" (Ogilvie).
 Harrison White, basso solo.
 Wally Baynes, comedian.
 Lawrence Macaulay, baritone.
- 8.30 a.m.—From the Lyric Wintergarden Theatre, George Street, Sydney.
 Orchestral items during the interval of the Liverpool Camp Concert.
 2.40 p.m.—From the Liverpool Camp Headquarters: Continuation of the Concert supplied by BPO Artists.
 9.20 p.m.—From the Lyric Wintergarden Theatre, Sydney.
 Jimmy Elkin's and his Jazz Band with the Grand Organ.
 9.30 p.m.—From the Studio:
 Mr. J. K. Kinghorne will deliver a talk dealing with Development of the Hobbist and Fox Industry in Australia.
 9.40 p.m.—From the Lyric Wintergarden Theatre, Sydney, Orchestral items.
 9.50 p.m.—From the Studio.
 Eileen Boyd, contralto.
 10 p.m.—"Big Ben." A talk in connection with "Health Week."
 10.10 p.m.—Eileen Boyd, contralto.
 10.15 p.m.—From the Lyric Winter Garden Theatre, Sydney.
 Jimmy Elkin's and his Jazz Band.
 10.30 p.m.—Late weather forecast from the studio.
 10.35 p.m.—Dance music from the studio.
 10.55 p.m.—Late news and announcements.
 11 p.m.—"Big Ben." Dance music until 11.30 p.m.
 11.30 p.m.—National Anthem. Close down.

2BL, SYDNEY.

Thursday.

- EARLY MORNING SESSION.—7 to 8 a.m.
 MORNING SESSION.
- 10.50 a.m.—G.P.O. Clock and Chimes.
 Musical programme from the Studio.
 10.40 a.m.—News from the "Daily Telegraph Pictorial."
 10.50 a.m.—Musical programme from the Studio.
 11 a.m.—G.P.O. Clock and Chimes.
 Announcements.
 11.5 a.m.—Musical programme from the Studio.
 Health Talk, by Mrs. Jordan.
 Architectural Talk, by Mr. Brogan.
 12 noon.—G.P.O. Clock and Chimes.
 Special Ocean Forecast and Weather Report.
 12.3 p.m.—Ruswick Panatropic Musical Festival.
 12.15 p.m.—Information: Mails, Shipping and Port Directory.
 12.18 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 Metal Market Report.
 12.26 p.m.—Dairy and Farm Produce Market Report.
 12.50 p.m.—G.P.O. Clock and Chimes.
 Foreign Market Report.
 12.32 p.m.—Fisk Market Report.
 12.31 p.m.—Rabbit Market Report.
 12.38 p.m.—Stock Exchange Report.
 12.38 p.m.—News from the "Sun."
 12.45 p.m.—Hillier's Instrumental Quartet: direction, Carri Castling.
 1.27 p.m.—Stock Exchange Report.
 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.
 Close down.

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Street, Melbourne.

AFTERNOON SESSION.

- 8.30 a.m.—Darwin Information broadcast immediately after each Race, by courtesy of the "Sun."
9 a.m.—G.P.O. Clock and Chimes.
Musical programmes from the Studio.
8.10 p.m.—News from the "Sun."
8.20 p.m.—Musical programme from the Studio.
8.30 p.m.—News from the "Sun."
8.40 p.m.—Dungrovan Dance Band, broadcast from the Dungrovan Cabaret.
9 p.m.—G.P.O. Clock and Chimes.
News from the "Sun."
9.15 p.m.—Serial Story.
9.30 p.m.—Dungrovan Dance Band.
9.45 p.m.—News from the "Sun."
10 p.m.—Reviews of night's programmes.
10.30 p.m.—Hadding Room.
10.45 p.m.—Special Ocean Forecast.
9 p.m.—G.P.O. Clock and Chimes.
(Time down.)

EARLY EVENING SESSION.

- 6.45 p.m.—G.P.O. Clock and Chimes.
Children's Session.
6 p.m.—The pupils of Miss Monica Gentry will entertain the kiddies.
6.30 p.m.—Musical programme from the Studio.
7 p.m.—SPECIAL COUNTRY SESSION.
7.15 p.m.—G.P.O. Clock and Chimes.
Australian Movement, Land and Finance Co.'s Report.
Weather Report and Forecast, by courtesy of Government Meteorologist.
Vegetable Marketing Society's Fruit and Stock Exchange Reports.
Grain and Poultry Report ("Sun").
Dairy Produce Report ("Sun").
Weekly Traffic Bulletin.
7.15 p.m.—Country News from the "Sun."
7.30 p.m.—Talk on Health.
7.35 p.m.—Talk by Mr. Rupert Markham, B.E., on "Zebra v. Melian in Capital Cities."
7.45 p.m.—Helpful Hints to Listeners, by Mr. Alan Burrows.

EVENING SESSION.

- 8 p.m.—G.P.O. Clock and Chimes.
Broadcasters' Typical Chorus.
8.3 p.m.—The Murrumbidgee Salvation Army Band (Bandmaster, Mr. N. H. Knight), broadcast from Wynona Street, Murrumbidgee.
8.35 p.m.—A Group of Irish Songs, by Professor Handel Woodhouse.
8.50 p.m.—Weather Report and Forecast, by courtesy of Mr. C. J. Marns, Government Meteorologist.
8.34 p.m.—Selection of Irish Melodies by Broadcasters' Instrumental Trio, under the direction of Mr. G. Venn Barnett.
8.44 p.m.—Broadcasters' Radio Players present Boucault's Irish Drama, "The Shaughraun." Play produced by Miss Nellie Greenwood.
10.35 p.m.—Gus Morrison and his Glenchatters, broadcast from the Ballroom of the Bondi Casino.
11 p.m.—G.P.O. Clock and Chimes.
National Anthem.

3.10, MELBOURNE

Thursday.

MIDDAY SESSION.

- 12 noon.—Time signal. Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. Reuters' and the Australian Press Association cables. Brief official wireless news from Rugby, "Astra" 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 forecasts for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast, river reports, rainfall for Victoria, Tasmania, South Australia and New South Wales.
2 p.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—REV. KENNETH HENDERSON will speak on "Topics of the Week."
3.15 p.m.—Dr. A. E. FLOYD will give a chat to Students of Music.
3.40 p.m.—MISS G. FLOS GARRG, B.A., LL.B., "Principles of South-eastern Asia."
3.45 p.m.—STUDIO QUARTET.
"Way Down South."
3.55 p.m.—HELEN KIRWAN, soprano.
"Swales" (Pohlsing).
"Golden Dandelion" (Clarke).
4 p.m.—TANNA TIERNAN, solo.
"Dreanlog" (Sautre).
4.15 p.m.—STUDIO QUARTET.
"Heart of the Lyonesse" (Leach).
4.30 p.m.—LILLY BURNAND and ARTHUR SLATER.
"The man that broke the bank at Monte Carlo."
"Whistling Birds."
"Oh, Mary Ann."
4.40 p.m.—"Herald" news service. Stock Exchange Information.
4.45 p.m.—KINGSFONG, transmitted from ST. PAUL'S CATHEDRAL.
5.00 p.m.—Acceptances for Saturday's races, V.A.T.C., Caulfield.

EVENING SESSION.

- 5.35 p.m.—Answers to children's letters and Mithras greetings by "MARY GUMLEAF."
6 p.m.—STUDIO QUARTET.
"The Sleeping Beauty" (Tobani).
6.15 p.m.—"MARY GUMLEAF" has a story for the little ones:
Poema, "Doctor and the Dollies"
"A wonderful raid."
6.20 p.m.—STUDIO QUARTET.
"The Donkey and the Driver" (Leonard).
6.25 p.m.—"MARY GUMLEAF" has something for the bigger ones.
6.40 p.m.—"Herald" news service. Weather synopsis. Shipping movements.
6.47 p.m.—Stock Exchange information.
6.55 p.m.—Fish market reports by J. H. Borrell, 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 Co., Ltd. Poultry, grain, hay, straw, jute, dairy produce, potatoes, and cotton.
7.12 p.m.—Market reports of fruit.

NIGHT SESSION.

- 7.15 p.m.—Mr. A. W. JACKSON will speak about "Gold."
7.30 p.m.—MR. H. WEBB, of the Tasmanian Tourist Bureau, will speak on "Southern Tasmania."
7.45 p.m.—MR. CECIL KELLEWAY, now appearing in "TIP TOES" at Theatre Royal, will speak to you from his dressing room, by permission of J. G. Williamson, Ltd. THE HEALTH ASSOCIATION'S MESSAGE for to-day is: "Health is the greatest blessing of life, and in order to secure it an accurate knowledge of the science of health is essential."
8 p.m.—JOE ARONSON AND HIS SYNCOATING SYMPHONISTS.
"Gone with a Girl" (Ash).
"Theater of the Hills" (Nichol).
"I've never seen a straight banana" (Water).
8.10 p.m.—LILLY BURNAND and ARTHUR SLATER.
"The Doctor's Wedding."

- 8.14 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 8.21 p.m.—PAT McLEAN, comedienne: "Lullaby Impromptu."
 8.23 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 8.38 p.m.—FRENCH BROS., mandolinists: "Blue Skies."
 8.42 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 8.52 p.m.—MENE KIRWAN, soprano: "Four Leaf Clover" (Lennon).
 8.56 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 9.0 p.m.—LILY BURNARD and ARTHUR SLATER: "When I was a Girl" (Hil).
 9.10 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 9.25 p.m.—PAT McLEAN, comedienne: Selected.
 9.31 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 9.41 p.m.—FRENCH BROS., mandolinists: "Dance Oriental."
 "Lindy Lou."
 9.58 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 9.48 p.m.—IRENE KIRWAN, soprano: "Hierrid" (Bybner).
 9.52 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 10.3 p.m.—"Aurus" news service. British official wireless news. Sporting news by "Olympus." 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 20 days. It takes 21 years to make a man."
 10.17 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 10.27 p.m.—LILY BURNARD and ARTHUR SLATER: "She was whistling this tune all day."
 10.31 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 10.41 p.m.—PAT McLEAN, comedienne: Selections from her repertoire.
 10.45 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 11 p.m.—OUR GREAT THOUGHT FOR TO-DAY is: "There never was night that had no morn."—D. M. Moleck.
 11.1 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 11.30 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Thursday

MIDDAY SESSION.

- 1 p.m.—Market reports; weather information; "The Daily Mail" and "The Daily Standard" news.
 FROM THE CONSTITUTIONAL CLUB;
 1.30 p.m.—A lunch hour address.
 FROM THE OBSERVATORY;
 1.54 p.m.—Standard time signal.
 2 p.m.—Close down.

AFTERNOON SESSION.

- 2.30 p.m.—Programme of music from the Studio.
 3 p.m.—A Cookery Talk by "Betty Blampson."
 4.15 p.m.—"Telegraph" news.
 4.30 p.m.—Close down.

EARLY EVENING SESSION.

- 4 p.m.—"Daily Standard" news. Announcements.
 6.30 p.m.—The Children's Session: Stories by "The Sandman."
 7 p.m.—Market reports; stock reports.
 7.30 p.m.—Weather news; announcements; "Daily Standard" news.
 7.45 p.m.—Standard time signal.
 7.55 p.m.—A Book Talk by McLeod's.



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MUSIC WEEK.

To-night's programme will comprise the relay of the big Recital at the Exhibition Hall, held in connection with Brisbane's "Music Week."

FROM THE EXHIBITION HALL:

8 p.m. Choral. (a) "The Seventeen June Sunday" (Groninger)—Irish folksong set for mixed choir, (b) "Irish Tune from County Derry" (Groninger)—Irish folksong set for mixed choir, (c) "The Dance" (Hagar)—from the "Hungarian Highlands" (set for full choir and orchestra), Combined Austral Choir and Ithaca Orchestra; solo, "Song of the Robb's Women" (Shanewald-Ladman), Miss Lena Hansmann; children's choir (a) "Span, Span" (Swedish, folksong), (b) "The Slugging School" (found in six parts), (c) "The Antelope" ("Maclean"—Waltz), orchestral accompaniment, Wilton State School Choir and Orchestra; solo, "Mis Picarella" (Salvatore Rosa—Gipsy), Miss Lottie Reichter; orchestral solo, "Cyrano de Bergerac," (c) Cyrano (the soldier poet and lover), (d) Rosane (the dining and helped), Ithaca Orchestra.

PART II.

Orchestra. (a) "If With All Your Hearts" (Nendelbach), "O Rest in the Lord" ("Mitt'jub"—Mendelssohn), (b) "Love and Roses" (Wendt), Wilton State School Orchestra; solo, "O Fair Palestine" (Vardi)—from "Les Vies de Solennes," Mr. J. E. England; choral fantasia, for pianoforte, choir and orchestra (Beehoven)—soloist, Miss Gladys Frost—Full Choir and Orchestra; selection, "Masthead" (1902), Ithaca Orchestra; finale, "Land of Hope and Glory" (Elgar), combined Austral Choir, Ithaca Orchestra, Wilton State School Choir and Orchestra.

FROM THE STUDIO.

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

Friday, Oct. 14 2FC, SYDNEY.

EARLY MORNING SESSION.

MORNING SESSION.

11 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.
10.45 a.m.—A reading.
10.48 a.m.—Studio music.
11 a.m.—"Big Ben," Marching music for school children.
11.10 a.m.—A.P.A. and Hunter's Cable Service.
11.15 a.m.—A talk on home cooking and recipes for Miss Ruth Hurst.
11.30 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange, first call.
12.3 p.m.—Official weather forecast, rainfall.
12.6 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.
12.50 p.m.—William Bowyer, baritone.
"Friendship" (Harvey).
12.55 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
1.00 p.m.—Studio music.
1 p.m.—"Big Ben," Weather intelligence.
1.15 p.m.—"Evening News" midday news service.
Producers' Distributing Society's recital.
1.20 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.—William Bowyer, baritone.
"In Shattered Vain" (Melody).
1.45 p.m.—Studio music.
1.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

4 p.m.—"Big Ben" and announcements.
4.5 p.m.—Netta Mullarkey, mezzo.
"Whispering Willows" (Brent).
5.7 p.m.—New Hallie, soprano.
6.15 p.m.—Kathleen Croaknell, contralto.
"Sapphic Ode" (Johnston).
6.15 p.m.—A reading.
6.25 p.m.—Netta Mullarkey, mezzo.
"I hear a Thrush at Pew" (Lodman).
6.30 p.m.—Marching music for school children.
6.39 p.m.—Percia Butler, soprano.
"Pierrot" (Samuela).
6.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO (Lodman, Miss Irene Keane).
6.55 p.m.—New Hallie, soprano.
7 a.m.—"Big Ben." Frank Robson, baritone.
"A Warrivichite Wooming" (James).
6.55 p.m.—From the Liverpool Camp Headquarters, details of the progress shooting for the "Kings."
6.59 p.m.—Percia Butler, soprano from "Farmer's Ten Rooms";
"Spring-dropped a song into my heart" (Fenner).
6.59 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
6.58 p.m.—From the Liverpool Camp Headquarters, progress results of the shooting for the "Kings."
6.40 p.m.—Frank Robson, baritone.
(from "Farmer's Ten Rooms").
(Lodman, Miss Keane).
6.45 p.m.—Stock Exchange, third call.
6.47 p.m.—Kathleen Croaknell, contralto (from "Sapphic Ode").
6.48 p.m.—"Pierrot" (Falldahl).
6.50 p.m.—From the Liverpool Camp Headquarters, progress results of the shooting for the "Kings."
6.55 p.m.—Poppy recitals from the studio.
6 p.m.—"Big Ben." Close down.
6 p.m.—An opportunity will be found of broadcasting the address by the Winner of the "Kings" in addition to the results.

EARLY EVENING SESSION.

6.40 p.m.—The chimes of 2FC.
6.45 p.m.—The "Hello Man" calls to the children.
6.38 p.m.—Story time for the young folk.
6.40 p.m.—Studio music.
6.50 Latest sporting information.
7 p.m.—"Big Ben," Dagosta's market reports (wheat, wheat and stock).
7.3 p.m.—Fruit and vegetable markets.
7.10 p.m.—Weather and shipping news.
7.16 p.m.—"Evening News" news service.

NIGHT SESSION.

7.30 p.m.—Programme announcements.
7.35 p.m.—A talk on "Health Week."
7.45 p.m.—Jones and Haine, entertainers.
(a) Humorous song, "Skating."
(b) Song, "The Boat Day" (Francis).
(c) Human piano, "March of the Gladiators."
7.55 p.m.—Alfred Cunningham, baritone.
"Punchbillion" (Malloy).
8 p.m.—"Big Ben."
The Bondi Beach Concert Band.
8.15 p.m.—Alfred Cunningham, baritone.
"Hi Gals" ("Hi Travellers" (Lepid).
8.18 p.m.—The Bondi Beach Concert Band.
8.30 p.m.—Scott Alexander, comedy singer.
8.40 p.m.—The Bondi Beach Concert Band.
8.52 p.m.—Jones and Haine, entertainers.
(a) Humorous Song, "Ideal Homes" (Haye).
(b) Rattle.
(c) Duet, "Oh If I only had you" (Friends).
8.55 p.m.—"Big Ben." Late weather forecast.
9.1 p.m.—A relay from the evening programme given by Owen Beesley, Bondi, Australia.
9.30 p.m.—The Bondi Beach Concert Band.
9.40 p.m.—Alfred Cunningham, baritone.
(a) The Sings O' Dee (Clay).
(b) "It's a crowd of friends" (Drummond).
9.47 p.m.—A talk by Mr. Graham Kent, Subject: "Woolen and Bridge."
9.55 p.m.—Alfred Cunningham, baritone.
"Close Props" (Chryse).

- 10.2 p.m.—Scott Alexander will present a special radio sketch.
- 10.18 p.m.—From the Sydney Town Hall: Music supplied by Montgomery Evans dance orchestra playing at the "Music Notes" Hall, given by the Columbia Graphophone Company Associated Manufacturers in aid of the Hospital Saturday Fund.
- 10.23 p.m.—Scott Alexander in a play specially written for broadcasting.
- 10.58 p.m.—From the Sydney Town Hall. Dance music supplied by Montgomery Evans' Orchestra.
- 10.50 p.m.—Late weather forecast.
- 10.57 p.m.—Late news and announcements.
- 11 p.m.—"Big Ben." Dance music from the Sydney Town Hall, until 11.30 p.m.
- 11.30 p.m.—National Anthem.
- Close down.

3LO, MELBOURNE

Friday

MIDDAY SESSION.

- 12.0 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 Turley; Reuters and the Australian Press Association Cables; "Argus" News Service.
- 12.20 p.m.—LILY HURNAND and ARTHUR SLATER, Entertainers:
"Smart French Maid."
"Try Again."
- 12.30 p.m.—STUDIO QUARTETTE:
Overture, "Figue Dance."
12.40 p.m.—Stock Exchange Information.
- 12.43 p.m.—BERT SUTCLIFFE, Baritone:
"Come to the Fair" (Martin).
"Devonshire Cream and Clery" (Sanderson).
- 12.50 p.m.—STUDIO QUARTETTE:
Selection, "Cryer Love," Part I. (Lehar).
- 1.0 p.m.—TIME SIGNAL.
"And it's Never Too Late to Mend."
- 1.1 p.m.—ELLIE MULLIGAN, Soprano:
"One Fine Day."
"The Little Dancess."
- 1.18 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:
Selection, "Gipsy Love," Part 2 (Lehar).
- 1.25 p.m.—REGINALD BRADLEY, Violin.
- MIDDAY SESSION.
- 1.32 p.m.—ELLIE MULLIGAN, Soprano:
"The Turn of the Tide."
"A Heart That's True."
- 1.40 p.m.—STUDIO QUARTETTE:
Selection, "The Little Dutch Girl."
- 1.50 p.m.—BERT SUTCLIFFE, Baritone:
"Bandolero" (Suzuki).
"Good Follow" (F. Phillips).
- 2.0 p.m.—Close Down.

AFTERNOON SESSION.

- 5.0 p.m.—STUDIO STRING QUARTETTE:
No. 15 in B Flat Major-Allegro Vivace, Minnet and Adagio (Mozart).
- 5.10 p.m.—BESS FLANCES FRASER:
"Heroes in Fiction, Don Quixote."
5.25 p.m.—S. HARCOURT FRENCH, Tenor:
"Love Life" (Richard Thompson).
"A Heap of Rosettes" (Chas. Willkey).
- 5.32 p.m.—STUDIO QUARTETTE:
No. 13 Mozart Allegro Assai.
- 5.42 p.m.—TASMA TIERNAN, Cello:
"Reveries" (Fauré).
"Clair d'Étoile" (Faullard).
- 5.50 p.m.—ELNIE ROCKES, Soprano:
"A June Morning" (Charles Willkey).
"That's All" (May Brabe).
- 5.57 p.m.—STUDIO QUARTETTE:
No. 18 D. Major Allegretto, Minnet and Adagio (Mozart).
- 6.5 p.m.—S. HARCOURT FRENCH, Tenor:
"Thank God for a Garden" (del Riego).
"Little Irish Girl" (Hermann Lehr).
- 6.25 p.m.—REGINALD BRADLEY, Violin:
Slavonic Fantasia (Dvorak-Krabber).



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Emuco, 5 and 8 to 1. 17/6	Round, per lb. 2/6
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Ever-Ready, 180 2/9 ea.	Bright Star, 45V., Large 26/-
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40a PARK STREET

(Between Castlereagh and Pitt Streets)

Open till 9 p.m. Fridays

4.55 p.m.—ELISE ROGERS, Soprano:
"The Lull with the Delicate Air" (Arne),
"The Weevil" (Kernach Bar).
4.10 p.m.—MRS. M. CALLAWAY MAHOOD:
"The Art of Decoration".
4.12 p.m.—"Herald" News Service: Stock
Exchange Information.
5.0 p.m.—Close Down.

EVENING SESSION.

6.30 p.m.—Answers to letters and birthday
greetings by "BIG BOSS".
6.4 p.m.—ELISE BRADSHAW, Songs for
the little ones.
6.7 p.m.—"BILLY BUNNY":
"Tell Me Why Storks Ate Ants".
6.17 p.m.—ELISE BRADSHAW:
Songs at the Piano.
6.23 p.m.—"BILLY BUNNY":
"The Adventures of the Treasure Seekers".
6.40 p.m.—"Herald" News Service: Weather
Synopsis; Shipping Movements.
6.47 p.m.—Stock Exchange Information.
6.52 p.m.—Fish Market Reports by J. R.
Berrett, Ltd.; Rabbit Prices.
6.55 p.m.—River Report.
6.58 p.m.—News and Show Sales by the
Associated Stock and Station Agents, Bourke
Road, Melbourne; Market Reports by the
Victorian Producers' Cooperative Co., Ltd.;
Poultry, Grain, Hay, Straw, Hides, Dairy
Produce, Potatoes and Onions.
7.12 p.m.—Market Reports of Fruit.

NIGHT SESSION.

7.15 p.m.—Under the auspices of the DE-
PARTMENT OF AGRICULTURE, MR. H.
N. JOHNSON, Senior Veterinary Officer,
will speak on "Sheep Dipping".
7.26 p.m.—STUDIO STRING QUARTETTE:
No. 25 (The States and Adagio (Mozart)).
7.40 p.m.—MR. H. K. LOVE:
"The Effects of Aerial on Selectivity."
"Mr. Love will be glad to attend to your
written difficulties, and we ask you to
write to him for any advice that you may
require."
7.50 p.m.—LILY BURNARD and ARTHUR
SLATER:
"You Told Me You Loved Me."
"Spirits and Institutions."
"Tidy Your Aps".
8.0 p.m.—THE HEALTH ASSOCIATION'S
MESSAGE FOR TO-DAY IS—
"The true wealth of a country depends
upon the number of noble, healthy, happy
human beings it contains."—Ruskin.
8.1 p.m.—MR. C. J. WILLIAMS will com-
ment upon:
"To-morrow's Stadium Event".
8.18 p.m.—SILDIO QUARTETTE:
No. 14 Allegretto.
8.29 p.m.—KIRWAN, Soprano:
"Villanetta" (del Acun).
"Here to Love" (Rubens).
8.37 p.m.—COMMUNITY SINGING FROM
BALLARAT:
March, Ballarat City Band.
Selection, Ballarat City Band.
Opening Recital, His Worship the Mayor
(CR. MCKENZIE).
"Della di St. Mary's".
"Sweet and Low".
"Gone to the Fair".
Mouth-organ Solo, MR. O. R. ROBERTS:
"Killarney".
"Mother Marches".
"Dear Little Shamrock".
Soprano Solo, Mrs. J. McManus (MISS
MAGGIE SHEPLOCK):
"My Old Joe".
"Orry Me Back to Old Virginia".
"Masses" in the Old, Cold Church.
Fiddle and Rapdona Duet, MERRIS.
GRIMBLEY AND CLARKE:
Chorus by the Children:
"Bel, Ho, Che Merrie".
"Yarrie".
"Selling".
"My Bonnie is Over the Ocean".
"Nover, My Lad, O' the".
Contralto, MRS. C. ROWE:
"Annie Lizzie".
"Comin' Thro the Rye".
"Mary".
Selection, BALLARAT CITY BAND:
"I Passed by Your Window".

"Look for the Silver Lining."

"Perfect Day."

Duet, MESSRS. I. BRIMACOMBE and F. DUFF.

"Keep the Home Fires Burning."

"Australia Has Been There."

"Tipperary."

"Home, Sweet Home."

"Hail, Britannia."

10.0 p.m.—"Austral News Service; Meteorological Information; Road Notes; THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TODAY IS FOR PEDESTRIANS."

"There are three grades of eggs, but only one grade of crossing, and that's dangerous. Cross crossings cautiously."

10.10 p.m.—"KIMIE KIRWAN, Soprano:

"Blackbird's Song" (Scott).

"My Ain Folk" (Lemon).

10.17 p.m.—"CARDIGAN," Mr. H. A. Wolfe, Sporting Editor of the "Austral" and "Australasian," will speak on to-morrow's races.

10.27 p.m.—Announcements.

10.30 p.m.—JACK O'HAGAN will sing some of his own compositions.

10.37 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS.

10.47 p.m.—JACK O'HAGAN, Baritone:

"Modern Melody."

10.54 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS.

11.0 p.m.—OUR GREAT THOUGHT FOR TODAY IS:

"No thoroughly occupied man is ever very miserable."—Lambert.

11.1 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS.

11.40 p.m.—GOD SAVE THE KING.

Saturday, Oct. 15

2FC, SYDNEY.

EARLY MORNING SESSION.

9 a.m. 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.

10.20 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.A. and Bentler's cable service.

11.10 a.m.—Studio music.

11.15 a.m.—A talk on gardening by Mr. G.

J. Luckley ("Redgum").

11.30 a.m.—Close down.

MIDDAY AND AFTERNOON SESSIONS.

12 noon—"Big Ben" and announcements.

12.5 p.m.—Stock Exchange. First call.

12.30 p.m.—Studio music.

12.50 p.m.—"Sydney Morning Herald" news service.

Rushy wireless news.

12.55 p.m.—Studio music.

Note.—Events of the City Tattersall's meeting at Randwick will be described in the running by the 2FC racing commissioner.

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

1.5 p.m.—"Evening News" midday news service.

1.20 p.m.—Studio music.

Note.—During the afternoon the following musical items will be given:—

Dorothy Dewar, songs at the piano:

"Just her way" (Grey).

"Foolish questions."

"Mamma's little fellow" (Austin).

"Mary Fawcett."

Kevin Gallagher, novelty pianist.

The Crystal Palace Theatre Orchestra,

under the baton of Harry Stone.

Read what Mr. Maclurcan says about the "D.J. SUPER-SIX"

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Yours faithfully,

Chas. Maclurcan

A.M.I.R.E.

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4.30 p.m.—A complete resume of the day's sporting events.
5 p.m.—"Big Ben."
Close down.

EARLY EVENING SESSION.

5.40 p.m.—The Chimes of Big Ben.
5.45 p.m.—The "Hello Man" Talks to the Children.
6.30 p.m.—Story Time for the Young Folk.
6.40 p.m.—Studio Music.
7.0 p.m.—"Big Ben": Weather Intelligence.
7.5 p.m.—"Evening News": Late News Service.

NIGHT SESSION.

7.30 p.m.—Programme Announcements.
7.35 p.m.—W. Scott, Cornet Solo.
7.40 p.m.—A Talk on "Health Work".
7.45 p.m.—Sophee Lushmore, Instrumentalist.
7.54 p.m.—Selwyn Seymour, Elocutionist, in a Sketch entitled "Hill".
8.0 p.m.—"Big Ben": Nellie Chadwick.
8.5 p.m.—Speedway Results from the Speedway Royal, R.A.S. Grounds, Sydney.
9.14 p.m.—W. Scott, Cornet Solo.
9.17 p.m.—Description and Results from the Speedway Royal.
9.22 p.m.—From the Studio: Nellie Chadwick.
9.25 p.m.—Selwyn Seymour, Elocutionist.
9.30 p.m.—Sophee Lushmore, Instrumentalist.
9.34 p.m.—Description and Results from the Speedway Royal.
9.43 p.m.—Nellie Chadwick.
9.47 p.m.—W. Scott, Cornet Solo.
9.50 p.m.—Programme Results from the Speedway Royal.
9.55 p.m.—From the Conservatorium Hall, Sydney: Broadcast for the first time in Sydney: an operatic Performance of Verdi's Famous Opera, "Il Trovatore." Produced by the Sydney Grand Opera Company, under the direction of Rita Lauener. The whole of the second act will be taken, which includes the famous "Anvil" Chorus.
9.57 p.m.—Description and Results from the Speedway Royal, Sydney.
10.5 p.m.—From the Studio: Len Maurice, Tenor; Baritone.
10.11 p.m.—Dance Music.
10.22 p.m.—Len Maurice, Baritone: Request Numbers.
10.30 p.m.—Dance Music; Late Weather Forecast.
10.40 p.m.—Len Maurice, Baritone.
10.45 p.m.—Dance Music.
10.57 p.m.—Late News and Announcements.
11.0 p.m.—"Big Ben": Len Maurice, Baritone.
11.5 p.m.—Dance Music.
11.15 p.m.—Len Maurice, Baritone.
11.30 p.m.—Dance Music until 11.45 p.m.
11.45 p.m.—National Anthem; Close Down.

3LO, MELBOURNE.

Saturday.

MORNING SESSION.

11 a.m.—JOHNSTON'S STUDIO BOYS:
March, "With Swords and Lances";
Overture, "Country Life."
11.16 a.m.—ELSIE ROGERS, soprano:
"One Pine Day" (Puccini).
"Wake Up" (Moussique Phillips).
11.17 a.m.—JOHNSTON'S STUDIO BOYS:
Selection, "Comedie."
11.25 a.m.—BOBBY STACE, baritone:
"All Through the Night" (Old Welsh).
"Sincerity" (Clarke).
11.35 a.m.—J. ROBINSON, cornet solo:
"Absolution."
11.42 a.m.—JOHNSTON'S STUDIO BOYS:
Novelty, "The Flowers of Paradise."
11.50 a.m.—LILLY BURNARD and ALTHUR SLATER:
"Oh, What a Difference in the Morning."
"The Whaling Boat Race."
"Hi Tiddy Hi Ti, Hi Ti Ri."

- 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, Bourke and the Australian Press Association cables. "Argus" news service.
- 12.30 p.m.—JOHNSTON'S STUDIO BOYS: Selection, "Musical Souvenirs."
- 12.30 p.m.—ELSIE ROGERS, soprano: "Bonnie" (Gay & Burdell).
"Butterflies and Lilies" (Bonnie).
- 12.37 p.m.—Stock Exchange information.
- 12.44 p.m.—STUDIO QUARTET: Selection, "The Bohemian Girl" (Mosca-Kolsad).
- 12.50 p.m.—BOBBIE PEARCE, baritone: "Good-bye, Sweetheart, Good-bye" (Haston).
"If I Might Come in Your" (Squire).
- 12.57 p.m.—JOHNSTON'S STUDIO BOYS: Walls, "Tessie Min."
- 1.7 p.m.—JOHN L. FRASER, baritone: "Venetian Song."
"I Heard You Singing."
- 1.14 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.
- 1.20 p.m.—STUDIO QUARTET: "La Gioconda" (Ponchielli).
- 1.30 p.m.—Description of the Handicap, two miles one furlong, V.A.T.C. races, Caulfield, by "Muskiet," of the "Sporting Globe."
- 1.35 p.m.—JOHNSTON'S STUDIO BOYS: Burmese Song, "Parrot's Flower."
- 1.45 p.m.—BERTHA JORGENSEN, violin: "Minuet" (Paderewski, arr. by Kreisler).
- 1.52 p.m.—JOHNSTON'S STUDIO BOYS: Cornet quartet, "The Warblers," W. Honey and Len Garrett.
Intermezzo, "The Sanctuary of the Heart."
- 2 p.m.—Cricket: St. Kilda v. Prahran, at St. Kilda, described by Mr. Rod McGregor.
- 2.10 p.m.—Close down.
- 2.20 p.m.—Description of Gwyn Nuxtery Handicap, five furlongs, V.A.T.C. races, Caulfield, by "Muskiet," of the "Sporting Globe."
- 2.25 p.m.—Close down.

AFTERNOON SESSION.

- 2.5 p.m.—JOE ARONSON AND HIS SYMPOATING SYMPHONISTS.
- 3.5 p.m.—Description of Wyuna Steeplechase, about 3 miles 3 furlongs, V.A.T.C. races, Caulfield, by "Muskiet," of the "Sporting Globe."
- 3.10 p.m.—JOE ARONSON AND HIS SYMPOATING SYMPHONISTS.
- 3.20 p.m.—Cricket: St. Kilda v. Prahran.
- 3.25 p.m.—JOE ARONSON AND HIS SYMPOATING SYMPHONISTS.
- 3.50 p.m.—Description of Caulfield Cup, one and a half miles, V.A.T.C. races, Caulfield, by "Muskiet," of the "Sporting Globe."
- 3.55 p.m.—JOE ARONSON AND HIS SYMPOATING SYMPHONISTS.
- 4.20 p.m.—Cricket: St. Kilda v. Prahran.
- 4.30 p.m.—Description of Elmwood Handicap, one mile, one furlong, V.A.T.C. races, Caulfield, by "Muskiet," of the "Sporting Globe."
- 4.35 p.m.—JOE ARONSON AND HIS SYMPOATING SYMPHONISTS.
- 4.45 p.m.—"Herald" news service, Stock Exchange information.
- 5.10 p.m.—Description of Windsor Handicap, six furlongs, V.A.T.C. races, Caulfield, by "Muskiet," of the "Sporting Globe."
- 5.15 p.m.—Cricket: St. Kilda v. Prahran.

EVENING SESSION.

- 5.30 p.m.—Results of Woodend Hillside Golf Club.
Cycle Road Race, 116 Miles Olympic Road Test. Sporting Results.
- 8.40 p.m.—Answers to Letters and Birthday Greetings by "LITTLE MISS KOOKA-BURRA."
- 9.10 p.m.—MISS ELSIE BRADSHAW.
Songs for the Children.

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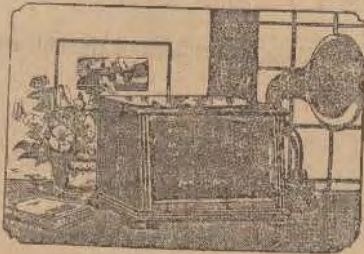
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- 6.17 p.m.—MISS M. SHENFORD:
"Strange Tales for the Children"
6.32 p.m.—MISS STAIN: BRADSHAW with
"King Some More Recipes"
6.40 p.m.—"Herald" News Service; Weather
Reports; Shipping Movements.
6.42 p.m.—Stock Exchange Information.
6.47 p.m.—Market Reports.
6.50 p.m.—River Reports.
6.58 p.m.—Newmarket Sheep Sales by As-
sociated Stock and Station Agents, Bourke
Street, Melbourne; Market Reports by the
Victoria Producers' Co. Ltd., Postley,
Orair, Stray, Julia Dairy Produce, Potatoes,
and Onions.
7.10 p.m.—Market Reports of Fruit by the
Victoria Producers' Association.

NIGHT SESSION

- 7.12 p.m.—MR. CHARLES NUTTALL:
"Oh With the Dance."
7.50 p.m.—MR. E. CHAPMAN:
"Squid and Cuttlefish."
7.46 p.m.—MR. H. E. P. LAMPE, "The
Riddle of Timekeepers."
"The Crave-Man's Timekeeper."
THE HEALTH ASSOCIATION'S MESSAGE
FOR TO-DAY IS:
"The elements of health for the body
are nutrition, fresh air and exercise. Cleanli-
ness, warmth and rest are also necessary,
but they are secondary and consequent
upon the other three facts." Sir George
Newman.
8.0 p.m.—HAWTHORN CITY BAND:
Selection, "Unfinished Symphony" (Saba-
bert).
8.10 p.m.—MELBOURNE CHORAL UNION:
"Out of the Silence" (Larkin).
"Liberty," Solo and Chorus (Fanning).
8.15 p.m.—HAWTHORN CITY BAND:
Overture, "Sentranside" (Rosini).
8.27 p.m.—MELBOURNE CHORAL UNION:
"Stars of a Summer Night" (Smart).
"Now Thank Our Most and Fell" (Blahod).
8.54 p.m.—HAWTHORN CITY BAND:
Selection, "La Coquette" (Lauranti).
8.41 p.m.—A Special Programme has been
arranged.
10.18 p.m.—HAWTHORN CITY BAND:
March, "Field Day" (Greenwood).
Intermission, "Frolic" (Doylax).
10.25 p.m.—LILLY BURNAND AND ARTHUR
SLATER:
"Check-Check-Check"
"Smiling Uncle Amos"
"Knocked 'em in the Old Kent Road."
10.35 p.m.—Late Speaking Results.
ROYAL AUTOMOBILE CLUB OF VIC-
TORIA'S SAFETY MESSAGE FOR TO-
DAY IS FOR EVERYBODY:
"Beware of fires which radiograms for
safety show first for requisitians."
10.50 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS.
11 p.m.—OUR GREAT THOUGHT FOR TO-
DAY:
"He who has no opinion of his own,
but depends upon the opinion and taste of
others, is a slave"—Klapstock.
11.1 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS.
11.30 p.m.—GOD SAVE THE KING.

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RADIO IN HOTELS.

Many hotelkeepers now have wireless sets on their premises for their own entertainment and in order to pick up sporting results for their patrons. The question of legality having been raised, the Commonwealth Radio Inspector formally asked the New South Wales Commissioner of Police for a ruling. He has received a reply from the Under Secretary of Justice stating:—

"I beg to notify you that there is no objection as far as the Justice Department is concerned to wireless sets being used in the public portion of premises licensed under the Liquor Act, 1912, for the purpose of receipt and announcement of sporting results.

The licensee is not permitted to broadcast musical items in the public portion of his premises.

(Signed) W. KESSELL,

Under Secretary of Justice."

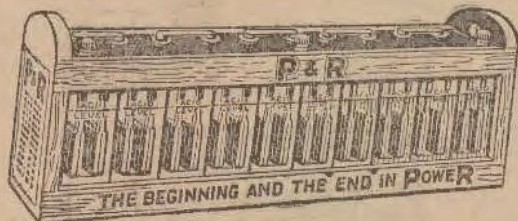
This ruling makes it clear that a licensee may have a loud speaker in the bar so long as he cuts it off immediately music starts to come through. But does the hotel-keeper broadcast musical items when he tunes in a broadcasting station in his bar, or does this prevent him from tuning items which are certainly not musical—the sporting announcements?

THERE is always great excitement amongst the boys when Mr. Butcher is due to speak over the air, on the very fascinating subject of Stamp Collections, and Stamp Albums. This series of talks is meeting with great success, and serves many purposes, for, not only does it give our young listeners an insight of the stamp currency of other lands, but they are led to get out their Atlases to discover where the different countries are situated—and if there is any difficulty in trying to locate a small State in Central Europe—well, it is safe to say that the location of that particular territory will not be forgotten in a hurry.

THE BRITISH GENERAL ELECTRIC CO., LTD., have sold their present building, Magnet House, 154-8 Clarence Street, Sydney, and have purchased larger premises at 104 to 114 Clarence Street. The new building is an eight storied structure and has practically double the frontage to Clarence Street, and the additional floor space available will enable every consideration to be given for the convenience of clients in the layout of sales and show rooms. However, extensive alterations have yet to be made before the change over can be completed.

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Type CG



This model has been made up in order to meet the popular demand for a low priced H.T. wireless accumulator.

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The capacity is 2,500 milli-ampere hours at very low discharge rates, which is ample for all ordinary wireless receiving sets.

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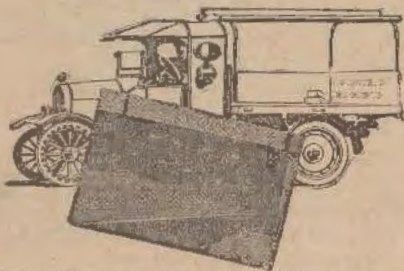
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Remarkable Voltage
Amplification. (MU 30).

PRICE 13/-

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Australasian Ltd

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624-3



Characteristics:

fil. Voltage - 5.0 volts
fil. Current - 25 amps
Plate Vails - 135/180 volts
Plate Resistance
150,000 ohms
Normal Plate Current
20/amps
Voltage Ampl.
Screen Factor (mu) - 30

Every Genuine **RADIOTRON** bears this Seal





Type AC 12. In two tone
Mahogany finish
Price £8/8/-

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It gives you an exact replica in your home of what is happening in the studio. There is not the slightest trace of mechanical reproduction—no harsh metallic noises—no phonographic effect—just a true re-rendering of the original. Hear it on speech or music and you will be convinced.

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On and after 12th October, the business of Amplion (Australasia) Limited will be carried on from Bradbury House, 53 York Street, Sydney where more commodious office accommodation, showrooms and demonstration rooms have been secured.

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