WIRELESS WEEKLY
Broadcast Programmes a Week in advance

VOLUME 10
NUMBER 15

Friday, August 5, 1927.  Price Threepence

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on the "Mike."

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W.W. 8/8/27
What is the Ideal Receiver?

This well-worn question is still being asked. And it will be asked for a long time to come, just as purchasers of gramophones query their friends as to the best gramophone to obtain.

The answer to the question frequently puzzles wireless traders and set owners; and the hesitancy in readily answering the question often creates the impression in the mind of the questioner that his trader or wireless friend does not know much about it after all. As a matter of fact it is the very possession of knowledge of the subject that causes the friend to pause before replying. To answer the question outright is a great mistake.

There are many factors to be taken into account before the question can be answered adequately. The matter of finance—how much is the questioner willing to pay; the location of the proposed set; the desires of the would-be listener—whether he will be satisfied with his local station or whether he wants to play radio golf and play round all the stations—these and other points have to be ascertained and kept in mind.

Broadly, we can divide the listeners into two main groups: (1) those in the metropolitan district and (2) those in country districts. The factor of selectivity is not a serious matter for the listener out in "the bush" when compared to a listener five or ten miles from the city. We can safely assume that both express a desire to listen to interstate stations.

The metropolitan listener has one big advantage not possessed by his country cousin—that is the availability of electric power supply. The country listener finds great difficulty in getting his "A" batteries charged, and consequently is forced to operate a set which depends on dry batteries for its current supply. That means, in the average case, increased cost of maintenance.

The city listener possesses a second advantage in the greater volume he receives from the station. That enables him to get his programme—from his local station—through the static. The volume is greater that the static. His set, however, must be more carefully constructed and operated so that he can get the distant stations without interference from the strong signals of the local station.

Where a reliable source of electric supply is available, and assuming the listener is prepared to pay for efficiency and convenience, the ideal set is the one which dispenses with the necessity for an aerial and the troublesome batteries. When we refer to "no aerial," it is to be understood, of course, that there will be no external aerial. The set cabinet may have a self-contained aerial or a small frame attached to it.

A set of that description will generally be a super-heterodyne, or a multi-valve—from six to eight valves. The absence of an external aerial is a great convenience and is a decided advantage in freeing the listener from interference produced either by static or by other stations. Such a set, of course, is an expensive one, costing from £50 to £100.

The absence of the batteries would be appreciated by all of us. The supply of really efficient "Battery-eliminators" is now a regular thing in up-to-date shops. It is very convenient to plug into the house lighting supply—at the power point—and run the set regularly without having to buy or renew "B" batteries, or have the "A" batteries re-charged. These equipments, too, are expensive items.

Limiting the controls to one or two knobs is highly desirable; and many good sets now have this advantage. The loud speaker should be carefully selected to fit in with the set—not only electrically but from a furniture point of view. Lastly, the important point in an ideal receiver is faithful reproduction—sufficient volume and faithful clarity.
Catching Up with the Wireless World.

By R. E. CORDER.

WHILE SYDNEY SHIVERED on Sunday, July 24, because of the bitterly cold weather, Schenectady residents sheltered and perspired through the extreme heat, and while the sun was rising in Schenectady, darkness had already set in in Sydney.

HOW DID WE FIND THIS OUT? Ask station 2FC, they picked up Station WGY on Sunday, July 24, and heard a musical programme broadcast beside a talk with the manager of WGY, Mr. Rice. All this occupied from eight minutes past seven until a few minutes after half past eight.

Looks like another triumph for radio.

A SPIRITUALISTIC DEMONSTRATION broadcast from 2FC recently by Win and Windle contained many thrills and much humor. Through the "medium" Windle listeners were warned that on the stroke of nine, some supernatural manifestation might take place—possibly the light in their homes would go out.

A GOOD FEW LISTENERS have complimented Mr. George Saunders, announcer for 28E, on his way of saying good-night. But our household and her shelf hold the record, easily.

SURE ENOUGH as the clock struck the last stroke of the hour a solemn voice was heard to say: "I am here; I am quite happy." Moreover, at that precise moment the lights in several suburbs went out and then on again.

WHETHER THIS WAS DUE to spiritualistic intervention or to a wagging sense of humor on the part of the workers at the powerhouse, many of whom are regular listeners, is an open question. Much interesting "spirit" phenomena was heard over the air, all in humorous vein, and the end of the turn came when the "medium" speaking in slow and solemn tones declared: "Mother, when you take that cake, to know if it is really put a knife into it. If it the knife comes out clean, put in all the other knives."

AN ORGANIZATION known as the Brazillian Press received the authority of the Brazilian Government to maintain a wireless station for the receipt and distribution of news messages.

MOUNTAINEERING HUTS in the Bacarian Alps have been provided with wireless for meteorological and rescue purposes.

THAT WIRELESS WAVES disturb the direction faculties of naval career pigeons is the assumption of "L'Antenne," the French radio paper, and that also is the reason why they are housed fairly distant from the wireless stations. The suggestion that is cautiously advanced is that the pigeons are steered by brain waves or the radio oscillations. The French paper above suggests that this submission deserves more profound investigation.

N.Z. HAS been putting on the ether a talk on "What is Life?" To most married men, of course, it is a matter of history.

AN AMERICAN NEWSPAPER says that 80 per cent. of the population in Great Britain is now within crystal range. The remaining 20 per cent still remain satisfied.

A CHAIN OF FIVE new wireless stations, to cost approximately £11,875, is to be erected in Bolivia. We are informed by the Bolivian Legislation that the chosen sites are at Sucre, Potosi, Tarija, Monteagudo and Ayurday. The name of the new station will be sure some tongue-tweisters. Perhaps one night we will hear the announcer say "Station FQWYXZ speaking."

JACK DEMPSEY KNOCKED JACK SHARKY cold in seven rounds in America last week for the fourth time that year in the World's Heavyweight Championship. Australian 2FC knocked cold a transmission record when they received the fight round by round as it progressed.

IT WAS A TRIUMPH OF WIRELESS. Friday, July 22, was the first occasion on which news of an event of such importance as the Dempsey-Sharky battle has been carried in Australia during the day time by radio direct from New York, which is approximately 9,000 miles away.

FOR THE PURPOSE of trying to establish a world's record, Station 2FC arranged for the co-operation of its own engineers with those of Amalgamated Wireless (Australia), Ltd, in picking up the Radio Transmission to describe the fight from the ringside.

THE WHOLE EXPERIMENT was most successful, and as each round was described from the ringside at New York, it was picked up at the A.W.A. reception station at La Perouse and put through to 2FC Studio where the sporting editor repeated the details into the microphone. By co-operation with 2FC, the "Evening News" was able to publish the result at least half an hour before any other Sydney newspaper.

Philco Batteries Save Pounds in a Year.
Both Parents and Children Write to Radio Uncles

Naive requests of his listeners—Grandma Nephews.

"UNCLE, can you give me a name for my peppy calf?" writes a small boy from Ballahadah to the "Hello Man" (Mr. A. S. Cochrane) at Broadcasting Centre, Sydney. "These cruel dingoes killed one the other night. And put some poison in it; Rene and I went out next day and there he was having a great feed. We watched him for a long time and then he walked off, but we never found any with the bait."

The "Hello Man" named the calf "Funtty."

Here is another letter—

"Hi, Uncle: I hope you are well. I had a rooster that chased me but he could not catch me. My brother Cecil stayed and he spurred him and made a mark on his leg. He was boss over the fowls and the little rooster, but one Sunday afternoon we saw the little rooster and the big rooster having a fight, and the little rooster killed the big rooster, and he did not chase us any more."

Hundreds of letters from child listeners all over New South Wales pour in to the men who run the bedtime story hour, letters telling all the joys and sorrows of the writers. Here is a bit from another—

"I must first thank you for sending a message to grandfather on his birthday. We all heard it and grandfather was very excited as he did not expect it."

"It is Daddy's birthday on Tuesday," says another child. "I would like you to send him a message—he always listens in and likes your answers to the letters very much. I want it to be a surprise."

A young woman of seven tells the "Hello Man" that she has been on a visit to the country. "Dad used to take me to see the men shearing. I learned how to shear and I share my pet cat Satan."

"I want to know if you will have my Grandma and Grandad in with your niece and nephews—they both enjoy listening in to you talking to the children."

So a little girl at Glenorie writes:

And here is a line in a childish letter from Manila, written just after the dry spell broke—"We had half-an-inch of rain last Sunday."

Another boy writes: "My father has been near Hay and all the emus and kangaroos have come into the Lachlan River. They are coming hundreds of miles into the river."

Now and then comes a touch of pathos: "I will soon be leaving school and then I will be able to earn my living. It costs my mother and father a lot to keep me—I take as much as I can eat."

A mother writes: "You would be good enough to call our school teacher, Mr. Osborne, and wish him many happy returns of the day from all his pupils. We love him very much."

Of course, each child has his own outlook on life. One shows it in these words: "Will you send my love to all the sick people. If they pray to God I am sure God will make them better. And the same to all the grandchildren and grandparents."

Some letters express joy:

"I am sure God will mind them if they love Him and go to Church."

Among owners of radio sets there is a general feeling that the influence of the bedtime story men is very beneficial to the children, and one infant of tender years in a long rambling letter expresses this sentiment thus: "Now my father wants me to let you know he wants you to send more letters that are whatever, he says you are a good-living man, and so do I."

No doubt this cheers Mr. Cochrane immensely.

NEW ZEALAND STATIONS:

1YA, Auckland, The Radio Broadcasting Co. of New Zealand, Ltd.
Power 500 Watts; Wave-length, 335 Metres. Silent: Night, Monday.

2YA, Wellington, The Radio Broadcasting Co. of New Zealand, Ltd.
Power 125 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 500 Watts; Wave-length, 465 Metres.

Programme Continuity

Pride of 3LO.

If there is one thing more than another that 3LO, Melbourne, backed by the other 26 stations of the network, can be praised for, it is the occurrence of delays between items or announcements in the programmes. It is interesting to note in this respect that there recently appeared in an English journal some very pertinent statements showing that pauses between items at 3LO, London, during two hours of broadcast aggregated 17 ½ minutes, or an average of about 60 seconds between items. This compares very favourably with the programmes of the other stations in Melbourne, upon which a careful and independent check was recently made unknown to the management and showed that the pauses between items and announcements of one week's programmes averaged only about five seconds. This is remarkable when it is considered that the usual emergencies had to be coped with, such as artist falling to appear on time and extra items having to be provided at a moment's notice, and also the unavoidable delays in changing large groups of performers before the microphone.

The programmes at 3LO are now so strictly to time table, and the time occupied by each item is so accurately calculated that annoying pauses between items are reduced to a minimum. The success of broadcast programmes depends very largely upon their swing on unbroken continuity, the attainment of which is one of the chief aims of 3LO.

AN Australian radio man, now travelling in America, writes to 2FC commenting on the very extensive use of broadcasting by the farmers of U.S.A. The latest census made by the Department of Agriculture has revealed that since July, 1926, the number of radio sets used on farms has increased from 553,008 to 1,262,216—more than double. One farm in every four is now fitted with radio and this large increase is in the main due to the type of programme sent by the Department of Agriculture. The farming communities are showing a gradual though decided tendency to turn from entertainment to educational programmes.

SO FAR as Australia is concerned, farmers put their radio sets to similar uses. It is doubtful, however, whether many of them prefer "talk" to music. Evidence given before the Wireless Commission indicates that such is not the case, but the markers and weather reports are certainly highly valued by listeners in the country.

Burgess went over the Pole with Byrd.
The Safety Valve

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

NOT ENOUGH RELIGION.
Dear Sir.—I read with great interest J. Blair’s letter (“Wireless Weekly” 20/7/27), and have come to the conclusion that he is talking through his hat. His arguments relating to religion in my opinion are absolutely ridiculous.

From what I can gather from his letter he looks upon Sunday’s programme, finds the time of the organ recitals and monologues and turns in just at the time when he knows the organ recitals and monologues are to be on the ether.

Until a month ago I was residing in the country, where both the organ recitals and church services were appreciated by both my own family and my neighbour. Every night throughout the week we had dance music and when Sunday came along it was regarded as a welcome change to have a religious service.

I, too, have travelled all over the country, not only in N.S.W., but in other states as well, but have found that there are NOT a great body of people interested in dance music, etc., on the Sabbath. It is not that the broadcasting managers are afraid of offending the public but they think that the public need a change from the usual fare.

After all, the broadcasting managers know what is best for its patrons, and I think if a ballot were taken, church services would come out on top.

Yours etc.
N. VICKERS.
Bandwick.

SUPPORTS JACK BLAIR.
Dear Sir,—I read with interest Mr. Blair’s letter (“Wireless Weekly,” July 20) regarding religious services being broadcast.

It is a pity this gentleman did not air his view two years ago. I have been a broadcast listener for about three years now, and it has been my unflagging custom to close down until 8.30 p.m. on Sunday nights unless I listened into one of the B class stations.

I know personally many listeners who close down on Sunday night until the church services have been broadcast. That being the case, I am sure, many listeners who enjoy the church services, and for their benefit it might not be possible to follow out Mr. Blair’s suggestion and have a radio minister. If this were not practicable an arrangement could easily be made for one station only to broadcast a religious service on one Sunday night and another station the following Sunday night.

In any case, even if nothing comes of this suggestion, are all clergy men chronic sufferers? On the few occasions I have despairingly tuned in, the tone of minister’s voice has always made me think he must have one foot in the grave and the other on a banana peel. If some of these estimable gentlemen only heard some of the remarks passed regarding the manner in which they speak they would probably drop their silly affectation. We hear constant complaints about empty churches. The reason, quite apart from their manner of delivering their sermons, is not hard to find.

Yours etc.
N. L. NICOL.
Murphy’s Creek.

2FC AND 2BL PERFECT.
Dear Sir,—As reader of your paper each week, I have noticed many letters regarding good bad reception, especially of stations 2FC and 2BL. The trouble appears quite local, as many parts prove bad for reception or sets used unfitted for that particular district.

My experience is that 2FC and 2BL are splendid—2FC being absolutely good both day or night. The trouble appears quite local, as many parts prove bad for reception or sets used unfitted for that particular district. Position is 54 miles north of Sydney. I mention this, as many writers state 2FC good at long distance, but within say 100 miles. I have never known 2FC or 2BL to be anything but clear strong, both day or night. Transmission perfect any day, any week. 2GB also good. Stations 3LO, 4QG, 3AR, 5CL, are very reliable during evenings, also 2FA, 7ZL, are generally good, depends on State condition.

My set is a Valco, using loud speaker. My complaint is too much to choose from in way of programme.

Yours etc.
W. R. GANGE.
Lisarow.

Wahroonga.

BLURRING CAN BE AVOIDED.
Dear Sir,—I have recently read a number of letters in the “Wireless Weekly” relating to A and B stations fading and blurring. The fading cannot be avoided, we know, but the operation of sets has in my opinion a lot to do with blurring. I get all stations clearly by adjustment of coils and condensers and battery rheos. The set is a three valve and these are the stations I tune in “Clearly” on an Angelion Dragon loud speaker. 2FC, 2BL, 2GB, 3LO, 3AR, 4QG, 4GR, 5CL and 5KA, all these stations after sunset. During the day I am able to tune in 2FC, 2BL, 3LO and 4QG. I would like to say that, in my opinion 2FC gave a wonderful programme on Sunday night, July 15th, which was greatly appreciated by all who heard it and we are, in this locality, looking forward to another programme of the same class in the near future. I refer to the Song Cycle.

My only complaint is, there are too many hiss stations on the air at night and especially often a source of annoyance, particularly on 2FC and 3LO wavelengths. Are these hiss stations allowed on the air nightly?

2FC has a very talkative class in his room and I would suggest a staunch school cane instead of Sh-Sh—sh as it was tonight.

Trusting I am not trespassing on your space.

Yours etc.
P.D.P.

There are no rivals to the Philco.
Backyard Radio Dealers

BY RADIO

(SLO Correspondent)

AERIALITIES

By "Whistler."

Now, here's a speaker all must hear,
(His latest yarn is a thriller)
A parachuting engineer,
Lieutenant Hau ton Quiller.

He spoke before from SLO,
And soon will tell again.

Of how it feels to fall below
A moving aeroplane.

Upon a ship he likes to live,
But what to him a squash:
The biggest wave would hardly
A thousand metre fall.

As he delights great heights to dare,
And often scan bravely,
They now have put him on the air,
Among the wireless waves.

But as the air to him is where
Much of his time is spent,
Of course he is when on the air.
Right in his element.

more than sell a set to the customer.
The trader should ensure that the set is given the satisfaction to the listener that the trader guarantees and that the listener is able to obtain telephone service, spare parts, etc., readily when he needs them.

Most of the traders, it must in all fairness be admitted, provide this service. In some cases, it involves very considerable expense. But its consequent effect on the broadcasting business generally is reflected in the number of satisfied listeners and in the amount of business done by the thoughtful traders.

The backyarder does not provide this service; except perhaps in the case of a few friends, and, consequently, he does not justify his inclusion in the ranks of radio traders.

Some Backyards not to Blame.

There is one type of back yard dealer who should not be so called, and who is practically in the field of radio trading unwillingly. A competent amateur makes a set up to his own selected circuit and gets very good results. His friends who are unable to get SLO with the same satisfaction, admire his receiver. Eventually, he is asked to make up one for his friend. He does so at the bare cost of materials and his friend gets a good set at a low price.

Another friend wants a similar set. The mechanic has no choice but to make another, and so it goes on with the result that the mechanic at length decides that he must make some charge for his labor and finally allows himself, almost in self protection, to be regarded as a dealer.

Omitting this type, however, there is no doubt that the backyard dealer should not be encouraged if the interests of listeners generally are to be considered.

OLD FAVOURITES RETURN:

Listeners always welcome artists who have appeared previously with success. Maria Brenner, who has been playing the leading roll for a week in "Rose Marie," is one of the most popular vocalists among the audience of SLO Melbourne, and listeners need not be informed that she was a great success when she stepped from the role of understudy to principal. Frank and Frances Luiz, the Hawaiian entertainers, will also make a welcome reappearance. Their delightful instrumental solos and duets, together with Frank Luiz's magnificent voice, resulted in many requests for their return.

NORTHERN ADVENTURES: Few people have come to SLO to broadcast a series of talks, that have a more interesting subject, and a greater fund of stories than the Rev. E. R. Gribble, Head of the Forrest River Mission (which he founded), and who is now at home on furlough, after many years of "space work" literally bristling with hair-raising events and adventures. Mr. Gribble also has a series of moving pictures with which to illustrate these talks, as many suburban listeners will have the opportunity of seeing. These, obviously, cannot be shown to listeners, though doubtless the missionary's graphic descriptions and skillfully drawn word pictures will conjure up visions in the minds of everyone. One thing certain is by listening to these interesting lectures, we will not only learn something about the vast Northern territories, which is so popular today, in the days of the year is literally a Land of Promises, flowing with Milk and Honey, but come to a better understanding of the work of our missionaries.

Square Glass Cells with each Phileo.
It's All in the Air

"THE MERRYMakers" are at 2FC studio on 12th August. Listeners and our old friends will have the assistance of a new artist, Fred Gooch, now in broadcasting, but old in popular favor.

SYDNEY MADRIGAL SOCIETY, in addition to their choral programme from the Conservatorium, on August 10, have arranged for a two piano recital by Miss Besse Coleman and Miss Dorothy Gibbes. There will also be vocal items by the new Scotch Baritone, Laurence Macaulay, and clarinet solos by Crosby Brown.

A PLEASING ANNOUNCEMENT is that of the re-engagement of Reginald Bradley as director of the 3LO studio orchestra, who has returned to Melbourne after an extended concert tour. Mr. Bradley is so well known as former musical director and violon soloist that his reappearance before the microphone will be hailed with delight by his many admirers.

ALL NIGHT DANCE NIGHT: The success of the All Night Dance Night arranged by 2FC on Tuesday, 26th July, was so overwhelming, a similar night has been programmed on 11th August, when Cyril Coy's orchestra will provide the music. The wind of public opinion is veering round from the West of "blue" music to the gentle South of unplayed melody, and no better exponent of this attractive art can be found than the orchestra under Cyril Coy's able direction.

FEW ITEMS broadcast from Stancel 3LO will delight the ear of the true lover of the English language more than the balcony scene from "Romeo and Juliet," so simple and dignified, and yet presenting so many pitfalls to the average elocutionist. To many an experienced Shakespearean actress, this has proved somewhat of an acid test, and when it is considered that Miss Stephanie Deere—the "Wanda" of Ross Marie—who, comparatively a few short years ago, could not speak a word of English, who has decided to include this in her repertoire, it goes to show what can be accomplished by hard work and intensive study. Few people who have heard her recite a Psalm, or other difficult poems from the Bible, in her perfectly modulated, limpid voice, can fail to be impressed by the beauty of her enunciation, and, because of this, listeners will be looking forward with great interest to hearing her interpretation of such a traditional Shakespearean excerpt.

RELAY OF "MADAME POMPADOUR." On Monday, August 8, 3LO are relaying the whole of 2FC's programme, which will include excerpts from "Madame Pompadour." There will be a description of the action, followed by the overture and opening chorus at 8.00 p.m. Artists assisting in the Studio, that evening, include Edgar Warwick (now appearing in "The Ghost Train"), and Elsie Dawn in a specially written sketch, Jules Van der Klei, cellist; Alfred Cunningham, baritone; Evatt Chapelle, pianist, and Net and Wireless English entertainers. No 3LO-City Competition will then be given. At the conclusion of the transmission from "Pompadour," at 10.30, there will be a dance music by Montgomery Evans Dance Orchestra.

Coming Features in the Broadcasting Programs

GOOD LITERATURE plays a great part in the development of a nation, and if Australia is to make some distinctive contribution to the world of letters some encouragement must be given to local authors. In one of his recent talks on books, Capt. Peters, of 3LO, Melbourne, made a special appeal for support for "Australian Authors' Week," which is to be held from September 12 to 19. He asked all librarians to take all the books by Australian authors from the shelves and display them prominently on tables with special mention.

COUNTRY LISTENERS, who have not so far had the opportunity of visiting the Zoo and Taronga Park, have recently been most interested to hear a series of animal talks, delivered by Mr. A. S. Le Soupe, the well-known zoologist from 2FC, who will shortly again be heard from 2FC in a talk entitled, "Hunting with the Aborigines." In this manner of educational radio features, listeners can learn quite a lot of the habits of the various animals whose natural environments are in the dense jungles of other lands.

ARRANGEMENTS have been completed by 3LO for Lieutenant Quiller—the famous Norwegian parachutist—to undertake a series of the most sensational parachute jumps from an aeroplane ever attempted in the world. They will take place at the Essendon Aerodrome on 6th and 13th August. Lieutenant Quiller will attempt to establish a world's record parachute descent. A complete description of his thrilling jumps into space and his descent will be broadcast by 3LO.

THROUGHOUT the ages, the lure of precious stones has kept in hold on the fancy of mankind. The peculiar fascination of gems seems to give each stone a distinct "personality." Mr. H. E. F. Lamp, an authority on gems, has been giving many enthralling stories of precious stones through 3LO, Melbourne, and listeners look forward to his gripping descriptions of the histories of many famous gems. Many people are familiar with such "household-word" gems as the Koh-i-Noor and the Hope Diamond, but Mr. Lamp tells of many other famous stones with even more unique histories.
Eagle Tricklers

Charges “A” and “B” Accumulator. TAB Re-chargeable Dry “B’s”

No Acids—No Distilled Water

Just Ordinary Water

Terminals Won’t Corrode — Will Not Heat Up.

£4/15/-

You cannot afford to be without this TRICKLER. It is specially designed to operate from 240-volt A.C., fitted with cord and plug. Running costs practically nil, in fact only about twopence per week.

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Genuine Bakelite Ornamental
BMS Vernier Dials with Illuminating Attachment.

Examine it carefully and if you are not satisfied that you have received full value for your money, return same to us in good condition within 7 days, and we will refund.

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THE ECNOTRON, Type 200A
Will definitely improve your set.
6 Volts, 25 Amps.

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The Econotron 201A Valve, 5/6
The Econotron Resistance Coupling Valve 11/3

COUNTRY CLIENTS.—We Pay Carriage on Orders of 10/- and over, except Cabinets, Batteries, Loud Speakers and C.O.D. Parcels.

"YOURS FOR LOWER PRICES,"

THE ECONOMIC RADIO STORES

PARRAMATTA: 25 NEW ROYAL ARCADE,
Cor. Macquarie and Church Sqs., near Palace Theatre, Sydney.
Phone: UW 9601.

NEWCASTLE: 569 Hunter St. West.
Phone: New, 1922.
Wattage Determines Resistance Value

By S. E. SPRAGUE

When is a Resistance Correct? When is it too big and when is it too small? In this short article the author deals with the determination of the proper values, and also supplying the R.F. end, and 20 miles were flowing through the resistor, then the wattage would be 310 (400-90 or the drop through the resistance) multiplied by .025 amperes, which would be 7.75 watts. Considerable heat would be generated by such values and a heavy current type resistance such as the Kroblok should be used.

Many times a certain value of resistance is found to be necessary, and which is of a size not made commercially. This can be overcome by connecting in series several available sizes whose total is close to that of the one we want. This is due to the fact that resistances connected in series will have a total resistance equal to their sum. It should be borne in mind that both should be capable of carrying the necessary current flowing through them. For uses where not more than 1 watt is to be dissipated, the ordinary lamps or plate oscillation controls can be used. For values up to three watts ordinary heavy duty resistors can be used, while for all uses up to ten watts, extra heavy duty wound resistors should be used. This will serve as a rough guide to the proper type to use for a particular purpose, and will save much expense by avoiding the use of resistors not suited for a particular use.

Broadcasting and the Stage.

DOES it pay to allow drama and vaudeville to be broadcast? This is a query that theatrical managers in Sydney and other parts of the world have been trying to fathom for years.

Some light is shed on the matter by a letter written to 2FC by Mr. E. J. T. Moore, well known in Sydney radio circles, now travelling in the United States. According to Mr. Moore, the weight of opinion seems to be in favor of broadcasting from the stage.

One particular play, he states, appeared to be a failure until as a last resort the management decided to have the play broadcast. The result was within a week the booking amounted to full capacity and has continued so ever since.

Mr. Tex Rickard, the eminent boxing promoter, has, until lately, states Mr. Moore, been bated to make extended use of broadcasting, fearing that the attendance would be affected, but the reverse has proved to be the case, for the broadcasting of his sporting events created more enthusiasm than any amount of advertising would have accomplished.

So convinced is Mr. Richard that radio is an asset that he has arranged for all future events of importance to be broadcast by station WEAF and its associated chain of stations.

Going back to Australia—events seem to have established that the broadcasting of a play early in its career at a theatre has the effect of increasing the attendance. It is not easy to calculate these things, but it is interesting to note that Madame Pompadour, now being played in Sydney to full houses, was broadcast from the stage on the very first night.

4th AUGUST, 1914: To synchronise with this memorable date, 2FC arranged a cleverly written recruiting sketch, under the title direction of "Cried" Gullan, Rod Gardley, which brought back vividly all the comedy of those stirring days without emphasising the inevitable tragedy. All the actors in the Studio that night were "Aussies"—David Burt, one of the two Vagabonds, who was interned in Germany during the war, had some tales to tell. Songs by Percy McKay, bassoo, and Les Buh, by the Roebuck Band, reminiscent of 1914/16, gave a realistic touch to the "All Soldier" programme.
The New Call To The Fireside

By W. Pitt Ridge

The Famous English Humorist

became quite an expert in scoring, with unexpected and quiet cunning. Articulating a sentence he made a cunning off white and red, and itself went into the pocket. She learnt when spot put white down to ejaculate:

"Whitechapel.

And when father nearly pulled off a difficult shot to remark sympathetically:

"Oh, hard cheese. Very hard cheese. Indeed!"

But till then an restricted area began to pall, and just as its quality as a magnet was lessening, ping-pong came in. Really, the English historians might well devote a whole chapter to ping-pong. There were at least two winters when nothing else was talked of in the middle-class house. We let arts and commerce, laws and learning die, whilst this indoor lawn tennis was being played on the dining-room table. Ping-pong, with an air of menace, became old, unloved, discarded. There followed the age of jig-saw puzzles, but I fancy these appealed to maturity more than to youth; youth could not spare the time to select the pieces, and make an entire work of art.

The gramophone, as a novelty, was welcomed because it made an economy in the dire hardship known as practising and listening to the needles. Small girls must have added the name of the inventors to the list in their prayer, and next-door neighbours saved much in cotton-wool. In some cases the gramophone wore off, in more senses than one, and unless there was a decision to purchase a new one, less prone to bronchitis and sore throat, together with a frequent change of records, safety ensued, and a fox trot air, attractive at the start, became an abomination and a curse, and a sound for absence from home. excuse

The cinema is scarcely to be reckoned as a home attraction. True, there are local picturehouses, but Walter and Gerald cannot wait until an hour has been described as the masterpiece of this or any other age, exhausts itself in town, and wanders to the suburbs. For them, the twoand-fourpenny seat in the West End and an opinion formed whilst the projection is still a topic for argument. I refrain the gravy tends to diminish, but Gerald and Walter still redden with shame if, on being asked for a view concerning a notable film, they are forced to make the ignominious admission:

"Haven't seen it!"

The studious lad need not here be taken into account. He goes to evening classes, to improve his mental furniture, and, I hope, gains his reward in the shape of extraordinary increases in salary. The lad who sings can be disregarded. He is a good chap, and a home bird; the drawback with him is that he invariably marries young a lady of similar youthfulness, who, having during the engagement said of his rendering of "Passers By" that she could listen to it for ever, yet six weeks after the wedding says quite plainly: "My dearest dear, if you sing that, once again, I shall simply go raving mad!" The average young man is being considered here, and the lesser historian desires to sat down the fact that the average young medieval household habit of coming home promptly of an evening when the wireless was introduced to the house of his parents. The most arresting occurrence which can happen to him now is that a remark should be made to him at the breakfast-table:

"You missed something very good indeed yesterday evening!" He can only bow his head apologetically, humbly.

"Sorry, sorry!"

Home, for most of us, is a haven and a refuge, and worth gaining after the perturbations of the day. With the attache case is then made up here and there of grievances, often including noteworthy occurrences, and now and then a few triumphs. To be plain and candid, the mere changing of footwear is a relief, the value of which cannot be estimated to a tired mind and an exhausted body. Convalescence arrives within a year, and then the demand is for recreation. This, I admit, is where the wireless comes in.

"Burgess" spells "Quality; Life; Service."
IMPORTANT

Radiokes—Solodyne
ANNOUNCEMENTS

Owing to the growing popularity of Amperite, necessitating increasingly heavier shipments. Radiokes, in conformity with their policy, are pleased to announce a reduction in price of ninepence per unit. In future, the price of Amperite will be 6/9 each, from all good Radio Dealers.

RADIOKES SUPER TUBES

are now available in all popular types and sizes at popular prices.
Enquire at your local dealer, and if he cannot supply, write direct to us.

A.C. TUBES

Radiokes, as usual, lead the way in the Radio field. Arriving shortly—stocks of Radiokes Alternating Current Tubes, to make your Radiokes-Solodyne independent of all “A” Battery troubles. In conjunction with Mayolian “B” power supply unit, your Radiokes-Solodyne becomes the most up-to-date and efficient full-electric model Receiver possible to-day.

IMPROVED RADIOKES CHOKES AND SOLODYNE COIL KITS are still breaking all previous production and sales records, for the popularity of this wonderful Receiver has been unequalled in the history of Radio.
Radiokes-Solodyne Coil Kits, 75/- per Kit of three units.
Radiokes Radio-Frequency and Filter Chokes, 8/6 each.
You are invited to inspect the Comprehensive display of Radiokes Products shown in the Goulburn Street Windows of Messrs. W. Harry Wiles, Pitt St., Sydney.

At all High-Class Radio Dealers.
METROPOLITAN ELECTRIC CO. LTD. :: 27-29 King St. Sydney
MAIL! This is what the postman left on the doorstep of 4HG recently. Thousands of letters were received to an announcement over the air recently from that station. On the left is seen Mr. Woodland, the announcer.

The Latest Marvel

By C. C. Faulkner

WRAPPED in an overcoat and rug I sat in an arm chair facing my radio set early last Friday morning, curious to hear the re-broadcast of the London, German, French and Dutch stations.

Hardly had I switched on 2BL when the Sydney G.P.O. clock began to strike—I heard it plainly from my home. Simultaneously the chimes of another great clock came through the radio set. The G.P.O. clock struck 4 but the other struck 7—and I knew it was Big Ben, London, the best known clock in the world beaming to Australia and to the Empire, reminding us that the world is becoming a very little place. Indeed, Big Ben should have struck six, but they are working on daylight saving in Britain, and English clocks are an hour fast.

I sat with the radio for a couple of hours. A woman in London talked on education. She mentioned several names, evidently names of teachers, but I could not catch them. Some music followed, and a man with a foreign accent broke in to say that he was the Dutch station, PCJ, relayed London. A woman sang: "By the Waters of Minnehaha." The Dutchman interrupted again lest we forget that London was not coming direct but was being re-broadcast from Eindhoven, Holland. We heard that a series of wool sales had been concluded, and that English tomatoes were 10/6 a case. PCJ cut off London and gave us Langenberg where a German was speaking. Langenberg is a German station. I listened for 16 minutes and then the Dutchman packed up radio Park, and a Frenchman was gathered in.

Then we were carried back to London where an orchestra was playing. As to what happened after that I am not certain. Possibly I dozed off, but it seemed as if every broadcasting station in the world was brought into my sitting room. I heard the great operas performed as they are only performed in Vienna; a wondrous Russian orchestra came over the air; a real group of Spanish Troubadours sang from Madrid; I heard an oratorio from Covent Garden, London, a mass from Rome and some folk-songs from Norway. The kings and rulers of the earth spoke to their peoples, and I who listened through the Sydney Station, 2BL, overheard them. A candidate for the American presidency shouted his political slogans; an Irish patriot made an oration—Yes! I must have dropped off to sleep.

I roused myself. It was 6 o'clock. I had not heard all these things. Only four European stations had come through my radio set. I must wait a little longer for the others.

There is no "just-as-good" as Burgess.
The better your set the more it deserves an Emmco “B” Eliminator. The more powerful your set the more it demands an Emmco “B” Eliminator. No sacrifice of power, as with other eliminators— even if your set has too many valves. Not only takes the place of “B” batteries but gives you the TRUE equivalent of their MAXIMUM voltage— ALL the current your set requires, at all times. Trouble-proof—fool-proof—economical. Nothing to wear out; no acid or water. Go now to your dealer and see and hear this marvelous device in action. The Emmco “B” Eliminator, manufactured in Australia, is specially adapted for the current and voltages of Australian electric A.C. lighting mains. It rectifies both halves of the A.C. cycle.

MADE BY ELECTRICITY METER MFG. CO. LTD.
**RADIO PARTS SPECIALS**

which also carry our Guarantee of Satisfaction or money refunded.

**AERIAL WIRE**, per 100-ft.—
1/18, Bare Copper, 1/-; 1/16, 1/6; 3/20,
Bare Copper, 2/6; 3/20, Navy, 3/—; 1/16,
Navy, 1/9; 7/22, Enamel, 3/9; Electron,
2/6.

**CONDENSERS**, each—
T.C.C., English, and guaranteed accurate.
2mf., 9/9; 1mf., 7/9; 5mf., 6/6.
.25, 5/9; .5, 15/—; .1, .025, 6/6.
.01, .006, .002, .0003, 3/9.
.001, .0001, .00025, 3/9.

**MICADONS**—
.001, .002, .0001, 3/—; .00025, 3/6.

**DIALS**—
W.R.C., Vernier Bakelite, 6/—;
W.R.C., Illuminated, 10/6.

**HOLDERS**—
Buffalo, UX, 1/6; Benjamin, 4/9.
Pinnacle, UV, 1/6; Moulded English, 7d.

**HYDROMETERS**, each—
Testrite, 3/—.

COMPLETE STOCKS OF ALL STANDARD QUALITY RADIO GOODS.

**“EVER-READY” BATTERIES**

Owing to the regular demand for “Ever Ready” Batteries, we have fresh stocks arriving from the factory weekly.

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“A” Batteries, 9/—

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We pay Carriage throughout N.S.W. on all Radio Goods, other than Aerial Wire, Batteries, Valves, Loud Speakers, Cabinets, and V.P.P. Goods.

**WILES’ WONDERFUL WIRELESS & ELECTRICAL STORES**

**BRANCH:** PITT & GOULBURN STS.,
23 PITT ST. SYDNEY.
Near Circular Quay.

MAIL ORDER BRANCH, 60 GOULBURN STREET.

**BRANCH:** 384 PITT ST.
Opp. A. Harderns’ & Sons
Friday, August 5
2FC, SYDNEY

Farmer's Broadcasting Service
Wave Length, 442 Metres.

EARLY MORNING SESSION.
7 a.m.—"Big Ben" and announcements.
7.20 a.m.—Studio music.
7.30 a.m.—Country Session: Official weather forecasts, astronomical memoranda, shipping intelligence, rail services.
7.55 a.m.—Investment market, mining share market, motor news.
8.30 a.m.—Wool sales, broadcast markets, internation trade, product markets.
8.45 a.m.—"Sydney Morning Herald" summary.
8 a.m.—"Big Ben." Close down.

MORNING SESSION.
30 a.m.—"Big Ben" and announcements.
30.45 a.m.—Studio music.
30.50 a.m.—"Sydney Morning Herald" news service.
31 a.m.—Studio music.
10 a.m.—Mark Smith, Marching music for school children.
11.5 a.m.—A.P.A. and Rotary Club Services.
11.15 a.m.—A talk on Home Cooking and Recipes by Miss Ruth Forrest.
11.20 a.m.—Close down.

MIDDAY SESSION.
12 noon—"Big Ben." Announcements.
12.20 p.m.—Stock Exchange, first call.
12.25 p.m.—Official weather forecast, rainfall.
12.30 p.m.—"Big Ben." Marching music for school children.
12.5 a.m.—A.P.A. and Rotary Club Services.
12.10 a.m.—A talk on Home Cooking and Recipes by Miss Ruth Forrest.
12.20 a.m.—Close down.

AFTEI NOON SESSION.
5 p.m.—"Big Ben" and announcements.
5.20 a.m.—Studio music.
5.40 p.m.—Marching music for school children.
5.40 p.m.—"Big Ben." Marching music for school children.
6.20 a.m.—"Sydney Morning Herald" summary.
6.30 a.m.—"Big Ben." Close down.

EARLY EVENING SESSION.
5.40 p.m.—The Chimes from 3FC.
5.45 p.m.—The "Hello Man" talks to the children.
5.50 p.m.—Story time for the young folk.
5.55 p.m.—"Big Ben." Close down.

NIGHT SESSION.
5.45 p.m.—"Big Ben." Announcements.
5.45 p.m.—Bronton GIBB, actor.
8 p.m.—From the Linthfield Theatre, Linthfield: The Harmony Bishop Johnson Company, introducing new songs and acts.

The artists include:
HUMPHREY BISHOP,
WALTER KINGSLEY,
SCOTT AND ROSS,
ARTHUR BELL,
ELEANOR MAY.

The "Racetime Four.
JOHN MORTFORD,
THELMA TRAPP, and others.

NEW SOUTH WALES "A" AND "B" CLASS BROADCASTING STATIONS.
2FC—Farmer's Broadcasting Station, Ltd, Sydney, wavelength 442 meters, power 5500 watts.
2BL—BROADCASTERS' Ltd, Sydney, wavelength 333 meters, power 5500 watts.
1GB—Theosophical Broadcasting Station, Ltd, Sydney, wavelength 333 meters, power 5500 watts.
1GY—The Lintfield Television Council, Sydney, wavelength 333 meters, power 5500 watts.
1MK—Macleay Radio, Bankstown, wavelength 270 meters, power 250 watts.
1NFL—Electrical Utilisation Supply Co., Sydney, wavelength 333 meters, power 5500 watts.
1BS—Margaret Hill, Newport, wavelength 270 meters, power 250 watts.
1BD—"H. A. Fortune," Newcastle, wavelength 270 meters, power 250 watts.

2FC—"Hammer Head." Close down.

2BL, SYDNEY.

Broadcasters' Ltd.
Wave Length, 333 Metres.

FRIDAY.

EARLY MORNING SESSION.
7 a.m.—6.0.0. clock and chimes.
7.15 a.m.—Metropolitan weather forecast.
7.45 a.m.—S. N. Public service.
7.45 a.m.—News service.
7.55 a.m.—G.P.O. clock and chimes.
8.15 a.m.—Vegetable market report.
8.15 a.m.—Australian Mercantile and Finance Co.'s report.
8.24 a.m.—Dairy farm produce market report.
8.45 a.m.—Poultry market report.
9.20 a.m.—G.P.O. clock and chimes.
9.45 a.m.—Service from the studio.

America's Submarines all use Burgess.
7.45 p.m.—Races in call by wireless.
8.45 p.m.—Local information, shipping, arrivals and departures, and port directory.
9.45 p.m.—G.P.O. clock and chimes.
10 p.m.—G.P.O. clock and chimes.
Class down.

MORNING SESSION.
10.30 p.m.—G.P.O. clock and chimes.
Musical programme from the Studio.
11.30 p.m.—News Service.
12.30 p.m.—Musical programme from the Studio.
11.30 p.m.—G.P.O. clock and chimes.
Announcements.
11.45 p.m.—Musical programme from the Studio.
11.45 p.m.—Talk on "Hockey" by Miss Gwen Varley, Broadcasting Women's sports authority.
Social notes. Replies to correspondents by Mrs. Jordan.
Talks on the "Families—Spending and Saving" by Mrs. Jordan.
12 noon.—G.P.O. clock and chimes.
Special ocean forecast and weather report.
12.30 p.m.—Musical programme from the Studio.
12.45 p.m.—Information, Maile, shipping and port directory.
12.45 p.m.—Boats in call by wireless.
12.45 p.m.—Olive market report.
12.45 p.m.—London market report.
12.45 p.m.—Daily farm produce market report.
12.45 p.m.—G.P.O. clock and chimes.
Talk to children and special entertainment for children in hospital.
1 p.m.—G.P.O. clock and chimes.
Class down.

AFTERNOON SESSION.
12.45 p.m.—Racing information broadcast immediately after each race, by "The Sun." 
1 p.m.—G.P.O. clock and chimes.
News from the "Sun.
12.45 p.m.—Radio Station Trio—Direction, Miss de Courcy Bremer.
12.50 p.m.—G.P.O. clock and chimes.
News from the "Sun.
12.50 p.m.—Musical programme from the Studio.
12.55 p.m.—News from the "Sun." 
1 p.m.—G.P.O. clock and chimes.
Civil Service Station Trio.
12.15 p.m.—Entertainment.
12.45 p.m.—Musical programme from the Studio.
1.45 p.m.—News from the "Sun." 
4 p.m.—G.P.O. clock and chimes.
Civil Service Station Trio.
5.45 p.m.—Entertainment.
5.45 p.m.—Musical programme from the Studio.
4.45 p.m.—News from the "Sun." 
5.45 p.m.—Racing returns.
5.50 p.m.—Recap of night's programme.
5.54 p.m.—Announcements and What's On?
5.55 p.m.—Special ocean forecast.
6 p.m.—G.P.O. clock and chimes.
Class down.

EARLY EVENING SESSION.
6.45 p.m.—G.P.O. clock and chimes.
Uncle George and the Riddles.
6.45 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.
7 p.m.—G.P.O. clock and chimes.
Australian Network, Land and Finance Co.'s report.
Weather report and forecast by courtesy of the Meteorological Department.
Producers' Distributing Society's fruit and vegetable market report.
Stock Exchange report.
Grain and fodder report ("Sun").
Dairy produce report ("Sun").
7.30 p.m.—Talk on "Gardening Science" by Mr. Osprey, Park Superintendent, City Council.
7.30 p.m.—Talk on "Gardening Science" by Mr. Osprey, Park Superintendent, City Council.

WIRELESS WEEKLY

Friday, 5th August, 1927.

2GB, SYDNEY
Theosophical Broadcasting Service.
Wave Length, 316 Metres.
Friday.
MORNING SESSION.

7 a.m.—Music.
8 a.m.—"Cheerio" Talk.
8.15 a.m.—Music.
9 a.m.—Psychological Class.
9.15 a.m.—Music.
9.15 a.m.—Health Talk.
10 a.m.—Class down.

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

2BL—Broadcasting Company of Australia, Ltd., Melbourne, wavelength 371 metres, power 3000 watts.
2BB—Broadcasting Company, Ltd., Service, Brisbane, wavelength 385 metres, power 2500 watts.
2UL—Central Broadcasters Ltd., Adelaide, wavelength 300 metres, power 1000 watts.
2DF—West Australian Broadcasters Ltd., Perth, wavelength 1250 metres, power 3000 watts.

MIDDAY SESSION.
12.15 p.m.—STUDIO ORCHESTRA; "Rascal" (Dyke).
12.30 p.m.—"TAXI SERVICE" (Rigby).
12.45 p.m.—"BATTER" (Harrington).
1 p.m.—DOROTHY RIXHURST, viola; "Shublarna" (Handel).
1.05 p.m.—"Chatterer" (Beethoven and Mozart).
1.15 p.m.—"Meteorological Information; shipping intelligence; weather synopsis for Victoria, Torquay, Melbourne and South Australia and New South Wales: ocean forecast; river reports; rainfall for Victoria, Tasmania, South Australia and New South Wales.
1.30 p.m.—STUDIO ORCHESTRA; "The King" (Jenkins).
1.45 p.m.—"ETHEL FORSHAW, soprano; "The Lover" (Brahms).
2 p.m.—STUDIO ORCHESTRA; "Sunrise" (Händel).
2.15 p.m.—STUDIO ORCHESTRA; "Moonlight Sonata" (Chopin).
2.30 p.m.—"ETHEL FORSHAW, soprano; "Health and beauty" (Rigby, "The Violin Player" (Horne).
3 p.m.—MUSICAL, HALF-HOUR, arranged by Mr. J. F. S. McCallum; "VICTOR STEPHENSON, pianist." 
3.15 p.m.—"KAULKIN DEGBRE; vocalist; "A bird with the delicate air" (Amsch)."
3.30 p.m.—"BRAHMS, FRANCIS; violinist; "Hornpipe" (Rigby)."
3.45 p.m.—"STELLA DREISCH; violinist; "Rogues my mother taught me" (Dresek)."

Perfect Reception Every Day Possible with Phileco.
THE GREATEST VALUE IN RADIO

£36
WITH VALVES

Twenty Times as Selective as the Average 5-Valve Set

RCA Receiver Model 20

No other receiver equals the Model 20's performance. It is super-selective, cutting out nearby stations sharply. It is ultra-sensitive, bringing in distance with strength and clarity. It is simplicity itself to regulate, but is capable of the finest tuning. And with its handsome two-tone walnut cabinet its appearance matches its superlative performance. Product of the world's greatest Radio organisation the Model 20 offers the greatest value in radio to-day.

AUSTRALIAN

53 King Street
NEWCASTLE

93-95 CLARENCE STREET
SYDNEY

Civic Centre
CANBERRA
**WIRELESS WEEKLY**

Friday, 5th August, 1927.

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**EARL FARELL will play:**

- "Wizard of Oz" (Illustrated London News).
- "Steeplechase" (Forsythe-Etienne).
- "Tarzan" (Forsythe-Etienne).
- "Sapientia" (Forsythe-Etienne).
- "Bombshell" (Forsythe-Etienne).
- "Beer Hall Flap" (Forsythe-Etienne).
- "Merry Widow" (Forsythe-Etienne).
- "Carnival of Venice" (Forsythe-Etienne).
- "The Jazz Singer" (Forsythe-Etienne).
- "La Bohème" (Forsythe-Etienne).
- "La Traviata" (Forsythe-Etienne).
- "Carmen" (Forsythe-Etienne).
- "The Good Companions" (Forsythe-Etienne).
- "The Conquest of Mexico" (Forsythe-Etienne).
- "The Silver Horde" (Forsythe-Etienne).
- "The Great Train Robbery" (Forsythe-Etienne).
- "The Crowd" (Forsythe-Etienne).
- "The Great Gatsby" (Forsythe-Etienne).
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Delighted Users

The G. & R. “V”

The cabinet, as shown above, is a masterpiece, size 26 x 16 x 11 inches, with a walnut finish. It has two compartments, one on each side, for the A and B batteries. The set is guaranteed to bring in all intermediate stations; the illuminated drum control is particularly advantageous for indicating stations at night. A log is furnished with the set, giving the exact location on the drum that will bring in each particular station on a standard aerial.

Price, with a G. & R. Valve, no other
Accessories ..................................... £8
Price, with Accessories complete, £10

The G. & R. One Control Five Valve Receiver is a masterpiece in modern Radio Receivers.

A Single Turn of the Dial Brings in Everything on the Air.

The new circuit combines in one Receiver ALL the desirable features you would look for in the IDEAL set: Extreme selectivity, great sensitivity for distance-getting. A tonal quality that is a revelation and of exceptional importance for Perfect Reproduction. One illuminated drum tunes in Interstate Stations. Volume controllable.

Get Everything on the Air with the G. & R. Five.

Manufactured by
The G. & R. Electrical Co.,
4 Hill Street, Darlinghurst

Sales Agents to the Trade:
Manufacturers’ Products Pty.,
LIMITED
CHALLIS HOUSE, SYDNEY
5CL, ADELAIDE
Central Broadcasters, Ltd.
Wave Length, 385 Metres.

Friday.

AFTERNOON SESSION.
1 p.m.-Chinese.
1.1 p.m.-Rhythm from the Maple Leaf Café-Orchestral selections.
1.45 p.m.-Social News.
2.45 p.m.-Chinese.
3 p.m.-Central Standard time.
8 p.m.-Close down.

EVENING SESSION.
6.30 p.m.-Chinese.
6.30 p.m.-Relay from the Covent Garden-Orchestral selections.
7 p.m.-Bedtime stories for "The Sammamish.
7 p.m.-Market reports; stock reports.
7.30 p.m.-Weather weather; announcements.
7.45 p.m.-Standard time signal.

NIGHT SESSION.
W.E.A. Music Class.
The Workers' Educational Association Tutorial Classes in music are being held in the Reception Hall at 4QG this season, and are being conducted by Mr. George Sampson, F.R.S.A. (Director, Department of Public Instruction; Lecturer in Music, Teachers Training College).
The object of holding the classes at 4QG is to broadcast the lectures and music, and as much of the educational matter placed before students.
The classes will extend over a period, and will be held nightly.

The usual lecture (which generally begins at 7.30 p.m.) will be dispensed with, and the classes will begin at that hour.

The tutor (Mr. Sampson) will lecture during the first period of each evening, and chamber music will be played after each lecture.

FROM THE RECESSION HALL.
1.45 p.m.-W.E.A. Music Class.
The Jefferies Party will illustrate tonight's lecture.
2 p.m.-Weather forecast; weather conditions and road information for motorists, supplied by the Royal Automobile Club at Queensland.

S.S. ESPERANCE BAY.
The famous ship, which is now rounding the Common Bank of Queensland, was named "Esperance Bay." In aid of the seaside house for women, the ship will be given, and there will be a dance. music.

FROM THE D.S. "ESPERANCE BAY.
9.15 p.m.-Programme.

FROM THE STUDIO.
10 p.m.-Big Band from the D.S. "ESPERANCE BAY.
10.30 p.m.-Dance music.
11 p.m.-Close down.

6WF, PERTH
Westralian Farmer's.
Wave Length, 1250 Metres.

Friday.

12.30 p.m.-Tune in.
12.55 p.m.-"Dig Deep" and announcements.
1.45 p.m.-"Dig Deep" and announcements.
5.45 p.m.-Musical evening on the guitar by Miss Evelyn Williams.
5.50 p.m.-Close down.
6 p.m.-Announcements.
6.15 p.m.-Weather Notes, supplied by the Western Australian Weather Bureau of Royal Institute.
6.30 p.m.-Weather Notes, supplied by the Meteorological Bureau of Western Australia.
6.35 p.m.-TUNETTE.
6.45 p.m.-Close down.

The Mighty 83X Philco is Supreme.

7ZL, HOBART
Tasmanian Broadcasters, Ltd.

Friday.

MORNING SESSION.
11 a.m. to 12 noon.

AFTERNOON SESSION.
1 p.m.-G.O. Clockers Club.
1.45 p.m.-Tune in.
2.30 p.m.-Hobart Stock Exchange quotations.
2.45 p.m.-Weather Information; items of interest.
3.30 p.m.-Announcements.
3.45 p.m.-Orchestral selections by 7ZL Orchestra.
4.15 p.m.-Bridge Instruction.-Lesson 1.
4.30 p.m.-Close down.

EARLY EVENING SESSION.
6.30 p.m.-Children's Corner with the "Radio Lady.
7.15 p.m.-Young Folks Gardening Chat by Mr. GeorgeNation.
7.30 p.m.-Weather forecast.

NIGHT SESSION.
7.40 p.m.-"Fruit, Fongody and Produce reports through the courtesy of Robert & Co., Ltd., Hobart.
8.15 p.m.-"Talking Trees" by Mr. George Nation; "Garden Queries, gardening news, gardening reports, guided by the courtesy of Mr. C. W. Newman, of the Hobart City Council.
9 p.m.-Tune in.
9.15 p.m.-"Dig Deep" and announcements.
9.45 p.m.-"Dancing" and announcements.
10.15 p.m.-Weather Reports.
10.45 p.m.-"Dancing" and announcements.
11 p.m.-"Dig Deep".

2FC, SYDNEY

Saturday, August 6

EARLY MORNING SESSION.
7 a.m.-"Big Ben" and announcements.
.
7 a.m.-"Big Ben" and announcements.
8 a.m.-"Big Ben" and announcements.

8.45 a.m.-"Big Ben" and announcements.
9.45 a.m.-"Big Ben" and announcements.
10.45 a.m.-"Big Ben" and announcements.
11.45 a.m.-COUNTRY SESSION; weather forecast; rainfall; temperature; astronomical memoranda; shipping intelligence; mail services.

The Mighty 83X Philco is Supreme.
To wit----
that ABC Battery!

Of course, the man who wants dependable quality in socket powers must be prepared to pay what good equipment costs.

But the point is this——
Without charging Quality Price, Bright Star knows of no way of building socket power that is of any value.

And to the set owner who cannot afford or want to spend the price of a good eliminator, Bright Star’s advice is this——
DONT buy any eliminator. Instead rely on heavy duty dry cells for BC supply; upon a storage battery or dry cells for A Battery supply. With the right ABC Batteries this is a thoroughly satisfactory method of supply — and Bright Star ABC can supply it.

BRIGHT STAR
Radio Batteries & Flashlights

INTERNATIONAL RADIO CO. LTD.
200 Castlereagh Street, Sydney.
WIRELESS WEEKLY

Friday, 5th August, 1927.

2BL, SYDNEY.

Saturday.

EARLY MORNING SESSION.
7.45 a.m.—G.P.O. Clock and chimes. Metropolitan weather report.
7.45 a.m.—News from "Daily Telegraph" Pictorial.
7.45 a.m.—G.P.O. Clock and chimes. Fruit Market Report.
7.45 a.m.—Vegetable Market report.
7.45 a.m.—Newspaper Review from the "Daily Telegraph." Pictorial.
8.45 a.m.—G.P.O. Clock and chimes. News from "Daily Telegraph." Pictorial.
9.45 a.m.—G.P.O. Clock and chimes. Close down.

MORNING SESSION.
11 a.m.—G.P.O. Clock and chimes. Musical programme from Studio.
11 a.m.—Social Notes by Mrs. Jordan. Talk on "Cooking for Children" by Mrs. Jordan.

ATMOTIN SESSION.
12 noon.—G.P.O. Clock and chimes. Special Children's weather report.
12.45 p.m.—News from the "Sun."
12.45 p.m.—Sports and athletics for the day: Cricket, Tennis, Football, Sailing, Boating.
12.45 p.m.—News from the "Sun."
12.45 p.m.—Racing Resume.
12.45 p.m.—Little Old London and chimes from Studio.
1 p.m.—G.P.O. Clock and chimes. Musical programme from Studio. Special Children's weather report.
1 p.m.—Sports and athletics for the day: Cricket, Tennis, Football, Sailing, Boating.

3LO, MELBOURNE.

Saturday.

MORNING SESSION.
12.30 p.m.—ELISIE BOWERS AND BILLY BUTHERFORD. Duet, "At Home." Piano Solo by Elisie Bowers, Different Ways and Styles of Playing "All These Easing Young Chimes." Piano Solo by Elisie Bowers, Different Ways and Styles of Playing "At Home." Piano Solo by Elisie Bowers, Different Ways and Styles of Playing "All These Easing Young Chimes."

12.40 p.m.—Stock Exchange Information.

12.43 p.m.—STUDIO ORCHESTRA: "The Paragon," "The Merry Widow." Piano Solo by Elisie Bowers, Different Ways and Styles of Playing "All These Easing Young Chimes." Piano Solo by Elisie Bowers, Different Ways and Styles of Playing "All These Easing Young Chimes." Piano Solo by Elisie Bowers, Different Ways and Styles of Playing "All These Easing Young Chimes." Piano Solo by Elisie Bowers, Different Ways and Styles of Playing "All These Easing Young Chimes.


1.57 p.m.—AGNES FORTUNE, Piano: "The Prophet Bird." (Buehmann).

1.16 p.m.—SINDEY BURCHALL, Bassoon: "Jigging Along the Highway." (Samuel). "The Merry Widow." Piano Solo by Elisie Bowers, Different Ways and Styles of Playing "All These Easing Young Chimes." Piano Solo by Elisie Bowers, Different Ways and Styles of Playing "All These Easing Young Chimes.

2.13 p.m.—FREDY ANDERSON: "The Death of Louis." Robert Nisbet, "Drake Goes West." (Sanderson).
The Brandes Brandola

Here is a true reproducer at a very medium price of 90/-.

Designed and constructed by Brandes Ltd. who have been making reproducers for twenty (20) years, it is a reproducer worth listening to. Everything a speaker should be, at a price within reach of every set owner, 90/-.

Its beauty, its ability to handle large volume all these can only be realised by hearing it.

International Radio Co., Ltd.,
200 Castlereagh Street
Sydney
10.30 p.m.—Description of Crimean Trial, by V.A.T.C., Caulfield, by Mr. Donald McLeary, "Roving Globe."
10.35 p.m.—STUDIO ORCHESTRA.
   "Serenate" (Reiser).
11.45 p.m.—CAPTAIN DONALD MCLEAN, Pirates and More Pirates.
2.0 p.m.—Close Down.
2.25 p.m.—Description of Wilmar Steeplechase, 3 miles; 6 yards, V.A.T.C., Caulfield, by Miss McLean of the "Roving Globe."
2.30 p.m.—Close Down.
4.40 p.m.—LEAGUE FOOTBALL, CARLTON v. GEELONG, at Carlton. Description by Mr. Rod McFieger (Quarter Time).
5.00 p.m.—FormerLY-characters are pursuit. RACES AT CAULFIELD.
5.00 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
   "Wash Yo' Hair" (Spencer-Spencer).
5.10 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS:
   "I Like It Here" (Spencer).
5.15 p.m.—Description of Mountfitch Steeplechase, 2 miles; 4 furlongs, V.A.T.C., RACES AT CAULFIELD, by "Jockey," of the "Roving Globe."
5.30 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS:
   "Fanny's in the Mood" (Benson).
5.45 p.m.—LEAGUE FOOTBALL, CARLTON v. GEELONG, at Carlton, Description by Mr. Rod McFieger (Quarter Time).
5.50 p.m.—LEAGUE FOOTBALL, CARLTON v. GEELONG, at Carlton. Description by Mr. Rod McFieger (Quarter Time).
5.50 p.m.—"Heretical" News Service; Stock Exchange Information.
6.10 p.m.—LEAGUE FOOTBALL, CARLTON v. GEELONG, at Carlton, Description by Mr. Rod McFieger, "Roving Globe."
6.15 p.m.—"Roving Globe" (Reid).
6.40 p.m.—Answers to Tattersall and Birthday Greetings by "LITTLE MISS KOOK-A-LOO.
6.40 p.m.—FRED A. NORTHCLIFFE.
   "My Treasure" (Travels).
6.43 p.m.—Miss M. Sheperd has some more stamina. Relative to the Autobus Club of Victoria's Safety Notice. For any Boys. 30 p.m.—Spectators are interviewed. Between cars and steel rails. You know it's dangerous. Don't do it.
6.45 p.m.—Weather News Service; Weather Report; Shipping Movements.
6.47 p.m.—Stock Exchange Information.
6.55 p.m.—Fish Market Reports by J. H. Butler, Ltd., Rabbit Prices.
6.55 p.m.—River Reports.
6.55 p.m.—Market Reports: Official Report of Sales by the Associated Stock and Share Agents. Description by Mr. W. E. Caton, "Roving Globe."
6.55 p.m.—Market Reports of Fruit by the Victorian Fruitgrowers' Association compiled by "The World of Fruit."
7.15 p.m.—Mr. R. Dawson will speak on "Bom Bom." 7.30 p.m.—Mr. F. Chapman, Description of the National Museum.
7.40 p.m.—A Story of a trip to Russia by an Australian. Part 1.
7.44 p.m.—NEWPORT WORKSHOPS BRASS BAND, 
   "Conductor, A. Beckett.
   Selection, "Mikado.""
7.50 p.m.—ELLA STRAHLER, soprano.
   "The Magic Flute," Act I, Scene 3. (Gounod), "Angus Guard Thee" (Gounod).
7.57 p.m.—NEWPORT WORKSHOPS BRASS BAND.
   Waits, "Cornflowers and Poppies" (GreeneWood). 7.30 p.m.—MELBOURNE CHORAL UNION, Conductor, by William G. James, C.M., "Happy and Light," from "Boheme," with Miss F. G. W. (Bodie).
8.05 p.m.—JIMMIE RANDSE (Jas). "Come to the Fair" (Martin).
8.15 p.m.—CHILDREN'S ANNUAL CONCERT; 
   Songs with Violin and Guitar, "Sweet Little Lou.
   Accompanied by Violin,Except from "Spartum's MacLeod.""
8.45 p.m.—NEWPORT WORKSHOPS BRASS BAND: 
   March, "Torero" (Bliss), "Only You.""
4.50 p.m.—A TRAVELERGE.
   "Mr. McFieger of the Far East," by a Native of the West.
5.15 p.m.—NEWPORT WORKSHOPS BRASS BAND: 
   March, "Home of the Wild" (Rimmer).
5.25 p.m.—ETHIE FORBUSH, soprano.
   "Winds in the Warring Tomb" (Spencer), "The Wise Man." (Weiss).
5.35 p.m.—AGNES FORTUNE: 
   Piano Recital.
5.40 p.m.—News Service.
5.45 p.m.—NEWPORT WORKSHOPS BRASS BAND: 
   March, "Home of the Wild" (Rimmer).
5.50 p.m.—NEWPORT WORKSHOPS BRASS BAND: 
   March, "Home of the Wild" (Rimmer).
6.05 p.m.—ELI BOWLER AND BILLY BATTERFIELD will arise once more: 
19.58 p.m.—NEWPORT WORKSHOPS BRASS BAND.
   Entrada: "Skellykat" (Von Blum).
19.58 p.m.—NEWPORT WORKSHOPS BRASS BAND.
   Entrada: "Skellykat" (Von Blum).
20.05 p.m.—Foster and Reedham: 
   Frank Foster, "Another Girl I'm Tired of." (Jones).
20.05 p.m.—Joe McFieger (Hills)."
THE WONDERFUL
P. M
FILAMENT

Buy British
THE
MASTER FILAMENT
UNBREAKABLE

The Mullard P.M. Filament, huge in proportions and gigantic in emission surface... tough and always ductile so that it can be tied in knots... proved by the British National Physical Laboratory Test to be constant and lasting... gives majestic volume free from microphonic noise... too economical even to glow... The Filament in all Mullard P.M. Valves—the valves which serve you best.

Obtainable from Every Radio Dealer in Australia
SAY P.M. AND YOU SAY PURE MUSIC

Mullard
THE MASTER VALVE
6WF, PERTH.

Saturday, August 7

12.15 p.m.—News items from the Studio.
12.30 p.m.—Close down.

AFTERNOON SESSION.

1 p.m.—“Big Ben,” and programme announcements.

1.10 p.m.—W. H. R. STAIRS, violinist:
(a) “瑞典赞歌” (Barnes).
(b) “Ballade” (Sarasate).

1.10 p.m.—CAPTAIN J. H. ARMS, on news of the other Sessions.

2.22 p.m.—MISCHA DORFINSKI, violinist:
(a) “Adeste Fideles” (Marx—and.
(b) “Siciliano and Romanze” (Francois—Perron).

2.50 p.m.—From ST. ANDREW’S CATHEDRAL, SYDNEY.

Organ Rhythmist, DR. T. HAJII:
1. Sonata No. 1” (Guilmant).
2. “Audite” (Mozart).
3. “Paganini” (Raff).

4 p.m.—“Big Ben” and Studio items.

4.45 p.m.—CONTINUATION OF THE ORGAN RECITAL, by DR. T. HAJII.

5.30 p.m.—From the Studio:
Mr. W. P. Jackson will continue his talks on the history of Wireless. (Mr. Weir),

5.50 p.m.—Close down.

7ZL, HOBART.

Saturday.

MORNING SESSION.

7.30 a.m.—Children’s Corner.
7.50 a.m.—“Big Brother” chats to his Pals.

EVENING SESSION.

7.30 p.m.—Closing Announcements.
7.45 p.m.—“Mercury” Special Tasmanian news service, and Statistical results.

NIGHT SESSION.

7.50 p.m.—“Australia” Tasmanian news service, and Statistical results.

ELEONORA STANTON, vocalist:

6.30 p.m.—“Easter Monday” (Humphries).

6.45 p.m.—“Easter Monday” (Humphries).

7.15 p.m.—CLARINET QUINTET:

“Minuet and Trio” (Mozart).

7.30 p.m.—CLARINET QUINTET:

“Minuet and Trio” (Mozart).

8.30 p.m.—“Easter Monday” (Humphries).

8.45 p.m.—“Easter Monday” (Humphries).

9 p.m.—“Easter Monday” (Humphries).

9.15 p.m.—“Easter Monday” (Humphries).

9.30 p.m.—“Easter Monday” (Humphries).

9.45 p.m.—“Easter Monday” (Humphries).

10 p.m.—“Easter Monday” (Humphries).

10.15 p.m.—“Easter Monday” (Humphries).

10.30 p.m.—“Easter Monday” (Humphries).

10.45 p.m.—“Easter Monday” (Humphries).

11 p.m.—“Easter Monday” (Humphries).

11.15 p.m.—“Easter Monday” (Humphries).

11.30 p.m.—“Easter Monday” (Humphries).

11.45 p.m.—“Easter Monday” (Humphries).

Sunday, August 7

2FC, SYDNEY.

10.30 a.m.—Programme announcements.

10.45 a.m.—Programme announcements.

11 a.m.—Programme announcements.

11.30 a.m.—Programme announcements.

12.00 a.m.—Programme announcements.

12.30 a.m.—Programme announcements.

12.45 a.m.—Programme announcements.

1 p.m.—Programme announcements.

1.30 p.m.—Programme announcements.

2 p.m.—Programme announcements.

2.30 p.m.—Programme announcements.

3 p.m.—Programme announcements.

3.30 p.m.—Programme announcements.

4 p.m.—Programme announcements.

4.30 p.m.—Programme announcements.

5 p.m.—Programme announcements.

5.30 p.m.—Programme announcements.

6 p.m.—Programme announcements.

6.30 p.m.—Programme announcements.

7 p.m.—Programme announcements.

7.30 p.m.—Programme announcements.

8 p.m.—Programme announcements.

8.30 p.m.—Programme announcements.

9 p.m.—Programme announcements.

9.30 p.m.—Programme announcements.

10 p.m.—Programme announcements.

10.30 p.m.—Programme announcements.

11 p.m.—Programme announcements.

11.30 p.m.—Programme announcements.

12 a.m.—Programme announcements.

12.30 a.m.—Programme announcements.

1 p.m.—Programme announcements.

2 p.m.—Programme announcements.

3 p.m.—Programme announcements.

3.30 p.m.—Programme announcements.

4 p.m.—Programme announcements.

4.30 p.m.—Programme announcements.

5 p.m.—Programme announcements.

5.30 p.m.—Programme announcements.

6 p.m.—Programme announcements.

6.30 p.m.—Programme announcements.

7 p.m.—Programme announcements.
The Rolls Royce of Radio.

New System 5
DUAL DRUM CONTROL SET

The Australian Pioneers of the Famous Burgess and Philco Batteries announce the Release of their Superb 5-Valve Receiving Set “New System 5”

CHASSIS-BUILT.
Chassis-built and shielded, like the finest motor car, the “New System 5” has absolute rigidity, ensuring perfect working order for many years. Its unique design enforces perfect alignment and permanent balance. There is no possibility of displacement of parts; no moving wires to break; no rubbing contacts to wear out; no dirt traps to offend. Conical bearings, an exclusive feature, allow the least wear to be taken up easily, thus maintaining life indefinitely.

PARADE OF STATIONS.
Here is radio brought to its highest degree, yet retaining absolute simplicity! There are no dials, no confusing sets of numbers. As you turn the drum control with one finger, station follows station in a swift parade, each tuning in easily and instantly. The operation is so simple that a child can fill the home with purest radio music. Yet the excellence of construction is such that experts cannot improve the unequalling accuracy.

HIGH SELECTIVITY.
Application of a new method of tuning-in results in an extremely high degree of Selectivity, without impairing the pure rich tones. Interference is eliminated while all overtones are retained. The Visual Indicator enables the user at once to pick out any station, while the addition of Regeneration to the R.F. Voltage gives tremendous total amplification. The exquisite fine-grained mahogany cabinet is worthy of this Aristocrat of Radio.

Trade in Your Old Set!

Any Set accepted in full value as part payment, and long Easy Terms allowed for the balance.

FREE INSTALLATION
in Sydney and Suburbs and expert tuition.

Call To-day and enjoy a Free Demonstration!

New System Telephones Pty. Ltd.

280 CASTLEREAGH STREET, SYDNEY.

Phone M 3230
3LO, MELBOURNE

Sunday.

MORNING SESSION.

10.30 a.m.—Bell from St. Paul’s Cathedral. 10.35 a.m.—Express Train Information. Brit. Red Cross Office—121, Bourke Street.

MORNING SERVICE FROM THE AUSTRALIAN METHODIST CHURCH, MELBOURNE.

Prayer: Rev. J. H. MILLER (Rector).

Organ—Hope (Carr). Sermon: W. H. BALL (Rector).

11.15 a.m.—Hymn 19 (Church Worship);

Prayer at Morning Worship (Supplement p. 165).

Address: "Neither Shall They Learn Fear any More."

Hymn 107 (Church Worship): "Not by Might."

Anonymous.

OFFERINGS.

Anthem, 48, "Lovedly Appears" (Graae).

Praise in C (Bach).

12.15 a.m.—Close down.

AFTERNOON SESSION.

2.15 p.m.—FRAHRAN CITY BAND

March, "The Blood of the Lamb" (Haensel).


Ballet Music: "Child of the Light" (Roberts).

Part Song: "Oh, what a Beautiful Morning" (Harley).

Overture: "Cathedral" (Graae). March, "Dress a Poor Man" (Haensel). PLEASANT SUNDAY AFTERNOON SERVICE FROM WRENTIM WATSON, MISSION, LANGDALE ST.

Choir: Rev. S. J. ROBB, D.D., Conductor. Mr. G. M. WILLIAMS.

Ballet: "Antwerp" (Von) Conductor.

Hymn: "O for a Heart to Praye My God." Prayer, Rev. C. IRVING HENSON.

Hymn, "The Christian Life" (Harley). Solo, Mr. B. H. MITCHELL.

Orchestral Selection:


Address, Mr. R. S. GULLETTI, M.B.E.: "The Hyming of the People.

National Anthem.

1.30 p.m.—Close down.

EVENING SERVICE.

6.45 p.m.—Music from Studio.

7.15 p.m.—Lecture from Astor Hall, by Professor Anans Wood. 8.30 p.m.—Display of Goods (Apostle). 9.15 p.m.—Nurses’ Service (St. Andrew’s Church). 9.20 p.m.—Reading from the Holy Scriptures.

2GB, SYDNEY

Sunday.

10.30 a.m.—Organ Music and Violin Solo: St. John’s, North Sydney. 10.30 a.m.—Morning Service: 12, Albert Street, North Sydney. 12.15 p.m.—National Anthem.

3AR, MELBOURNE

Sunday.

MORNING SESSION.

11 a.m.—Morning Service from Independent Church, Collins Street.

11 a.m.—Our Great Thought: "For yesterday is but a dream and tomorrow is only a vision. But today is real. Every yesterday a dream of happiness and every tomorrow a vision of hope."

11.15 a.m.—God Save the King.
Operate your radio set from the light socket

Entirely noiseless, permanent—and cheap to run

BALKITE TRICKLE CHARGER. Over 400,000 in use. Charging rate about 4 ampere. As a Trickle Charger automatically keeps your A Battery fully charged. Price . . . . . . . . . . £4:7:6

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 £11:10:0

MODEL X for larger sets — £16:15:0

The right to the use of Tantalum in Rectifiers is the exclusive property of the Pansteel Products Company Inc. under their Australian Patent No. 1988/26.

FAN STEEL

Balkite Radio Power Units

BALKITE BATTERY CHARGER
BALKITE "B" Plate Current Supply.

(Wholesale only) O. H. O'BRIEN (Sydney), 39 Pitt St., SYDNEY: 516 Collins St., MELBOURNE
W. E. PETERMAN, 169 Edward St., BRISBANE
WIRELESS WEEKLY
Friday, 5th August, 1927.

4QG, BRISBANE.

Sunday.

 MORNING SESSION.
ALBERT STREET METHODIST CHURCH.
The complete evening service will be relayed from the Albert Street Methodist Church.

 FROM ALBERT STREET METHODIST CHURCH.
11.00 a.m. — Morning service. 11.30 a.m. — Close down.

AFTERNOON SESSION.
The Federal Band.

Mr. W. H. Davies will be relayed from the Barton Gardens.

FROM THE BARTON GARDENS.
3.30 p.m. — Close down.

NIGHT SESSION.

ALBERT STREET METHODIST CHURCH.
The complete evening service will be relayed from Albert Street Methodist Church.

 FROM ALBERT STREET METHODIST CHURCH.
7.30 p.m. — Children's session. 8.30 p.m. — Band concert. 9.30 p.m. — Close down.

5CL, ADELAIDE.

Sunday.

 MORNING SESSION.
11 a.m. — fishes. 11.15 a.m. — Divine Service from the First Methodist Church. Preacher Rev. J. A. Jenkins.

AFTERNOON SESSION.
2.30 p.m. — Relay from the Adelaide Town Hall. 3.30 p.m. — Relay from the Adelaide Town Hall. Violet's Memory Day Service.

EVENING SESSION.
6.30 p.m. — Chimes. 6.31 p.m. — Running time of the East West Express. 6.33 p.m. — Sunday stories by Uncle Radio. 7.00 p.m. — Relay from the Black Forest Baptist Church. 7.15 p.m. — Tuesday service. Preacher, Rev. Keith Street.

6WF, PERTH.

Sunday.

10.45 a.m. — Tune in. 11.15 a.m. — Morning service from St. Andrew's Presbyterian Church. Preacher, Rev. George Tulloch.
2.00 p.m. — Tune in. 2.30 p.m. — Talk. 3.30 p.m. — Musical programme, including arrangements and vocal items. 6.30 p.m. — Close down. 7.15 p.m. — Bedtime stories for the children.
8.00 p.m. — Evening service, relayed from the Salvation Army Citadel, Pier Street, Perth.

7ZL, HOBART.

Sunday.

7.15 p.m. — Tune in. 11.15 a.m. — Church service from Memorial Congregational Church. Preacher, Rev. Arthur C. Nelson.
At conclusion of Church service, Beat Express information. 12.00 p.m. — Close down.

8.30 p.m. — Pleasant Sunday afternoon concert. 11.00 p.m. — Close down.

7CL, PERTH.

Sunday.

10.45 a.m. — Tune in. 11.15 a.m. — Morning service relayed from St. Andrew's Presbyterian Church. Preacher, Rev. George Tulloch. 2.00 p.m. — Tune in. 3.30 p.m. — Talk. 6.45 p.m. — From the Studio. Talk, "The Dawn of a New Day," by Mr. R. Laskey, of the International Bible Students' Association.
9.00 p.m. — Concert by the Perth City Band. Preacher, Rev. E. W. A. Halvorsen.
10.00 p.m. — Close down.

8.00 p.m. — "Big Brother" chal's to his Pals.

7CL, PERTH.

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9.00 p.m. — Concert by the Perth City Band. Preacher, Rev. E. W. A. Halvorsen.
10.00 p.m. — Close down.
The PCJJ Model

Made in the same factory that built and maintains Radio Station PCJJ which first relayed London Broadcast Programs to the world and enabled Royalty to speak in the four corners of the Globe.

Price
£6/10/-

Aristocrat of Loud Speakers

INCORPORATING many original features in the field of radio reproduction—this new Philips Speaker is exclusive, like an old-world aristocrat.

Acoustically and mechanically perfect, with a new beauty of line and finish, it forms an ensemble without peer—a fitting companion for the world's finest radio receiver.

The motor mechanism is provided with a triple tapping so that the output impedance of the amplifier and that of the Speaker can be critically matched, by a simple method, to give the best in tone and volume.

A patented balanced Magnet system actuates a full floating cone of improved acoustic properties, giving flawless reproduction throughout a greatly increased tone range.

The whole mechanism is fully protected by a housing of pleasing design, with a choice of several striking colours.

No adjustment is necessary—there is nothing to get out of order—and the apparatus is guaranteed by Philips as long as the seals remain unbroken.

PHILIPS
WIRELESS WEEKLY
Friday, 5th August, 1927.

2BL, SYDNEY

Monday.

EARLY MORNING SESSION.
7.0 a.m.—G.P.O. Clock and Chimes: Metropo
7.2 a.m.—State Weather Report.
7.4 a.m.–‘News’ from ‘Daily Telegraph Plo
7.10 a.m.—G.P.O. Clock and Chimes: Fruit
7.18 a.m.—Vegetable Market Report.
7.28 a.m.—Dairy Farm Produce Market Rep
7.32 a.m.—Poultry Market Report.
7.30 a.m.—G.P.O. Clock and Chimes: Musical
7.30 a.m.—‘News’ from ‘Daily Telegraph Pl
4.1 a.m.—Boats in Call by Wireless.
4.3 a.m.—‘News’ from ‘Daily Telegraph Pl
7.4 a.m.—G.P.O. Clock and Chimes: Close

MORNING SESSION.
8.40 a.m.—‘News’ from ‘Daily Telegraph Pl
10.00 a.m.—‘News’ from ‘Daily Telegraph Pl
11.30 a.m.—G.P.O. Clock and Chimes: Annou
11.90 a.m.—Musical Programme from the
11.15 a.m.—Talk on ‘Teens’ by Miss Gwen
11.35 a.m.—‘News’ from ‘Daily Telegraph Pl
12.15 p.m.—G.P.O. Clock and Chimes: Fora
12.25 p.m.—Pit Market Report.
12.32 p.m.—G.P.O. Clock and Chimes: Close
12.45 p.m.—News from the ‘Sun’.

AFTERNOON SESSION.
12.15 p.m.—‘News’ from ‘Daily Telegraph Pl
12.30 p.m.—G.P.O. Clock and Chimes: Close

Ask any Radio Engineer about Burgess.
JAPAN!

ANOTHER TRIUMPH on the ONE-DIAL NEUTROLA SUPER-NEUT


THE NEUTROLA is the latest and most perfect expression of the new fundamental principle of neutralising, which has excited widespread interest and enthusiasm throughout America, Europe and Australia.

THE NEUTROLA is designed and constructed in Australia, under Australian Patents, and represents the greatest achievement in Radio Receiver design yet accomplished in the Commonwealth or elsewhere.

THE NEUTROLA is the ideal set for the Country.

The following letter is one of many hundreds which bear out our claims for this wonderful set:

“Wreana,”

HILDALE

June 23rd, 1927.

I have one of your Model L-5 Sets and it is going splendidly. I can highly recommend it to anyone. I have logged 21 stations on it, including 7 ZI, Hobart, and I have also got Japan on it.

Yours faithfully,

LES. GARDNER.

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Complete Sets of Accessories, including Loud Speaker, from £12 upwards extra.

FULL PARTICULARS AND DEMONSTRATIONS AT

United Distributors Limited

72 Clarence Street, and 28 Martin Place, SYDNEY

343 Queen St., 27 Chesser St., 26 Queen St., Cr. Jervois Quay & Harris St., 66 Charles St.,

BRISBANE ADELAIDE PERTH WELLINGTON, N.Z. LAUNCESTON, Tas.

606 Bourke Street, MELBOURNE 105 Collins Street, HOBART
WIRELESS WEEKLY

Friday, 8th August, 1927.

2.20 p.m.—G.P.O. Clock and Chimes; News from the "Sun." 2.30 p.m.—Sydney's Musical Programmes from the studio.

3.30 p.m.—G.P.O. Clock and Chimes; Talk on "The Great Composers." 4.00 p.m.—G.P.O. Clock and Chimes; Musical Programme from the Studio.

4.15 p.m.—Serial Story. 4.45 p.m.—Musical Programme from the Studio.

4.45 p.m.—News from the "Sun." 5.00 p.m.—Maiden Voyage of the "Barque." 5.15 p.m.—Radio News from the "Sun." 5.30 p.m.—Radio News from the "Sun." 5.45 p.m.—Country News from the "Sun." 6.00 p.m.— "Unfetters" by Miss McLennan.

6.15 p.m.—G.P.O. Clock and Chimes; Broadcasters' Topical Choruses. 6.30 p.m.—Miss Grace Quine's (Descriptive Lecture).

6.45 p.m.—The Newtown Band broadcast from Industrial Hall, Newtown. 6.55 p.m.—Broadcasters' All-Sports' Expert will talk on General Sporting.

7.15 p.m.—Mr. George Roberts (Humorist and Entertainer, at the Piano). 7.45 p.m.—G.P.O. Clock and Chimes; Weather Report and Forecast, by Courtesy of Mr. C. J. Nares, Government Meteorologist. 7.55 p.m.—Miss Pauline Harford-Foster (Chorister).

8.10 p.m.—Mr. Ronnie Reade (The Radio 30 Bar). 8.17 p.m.—Miss Ida Lane (Soprano). 8.24 p.m.—The Newtown Band. 8.45 p.m.—Mr. Harry Leech (Horn). 9.15 p.m.—Sid Owen's Band. 9.45 p.m.—Grace and Owen's Banjo Band. 10.10 p.m.—Grace and Owen's Banjo Band; National Anthem.

MORNING SESSION.

11.00 p.m.—Radio news from the Associated Press and Associated Newspapers. 11.30 p.m.—JOE ARONSON AND HIS SYMPHONIC SYNTHOPHONIA.

1.20 p.m.—The Newtown Band. 1.30 p.m.—Sydney's Musical Programme from the Studio.

2.20 p.m.—Music. 2.40 p.m.—Address. 3.05 p.m.—G.P.O. Clock and Chimes; "The Great Composers." 3.30 p.m.—Songs by Rupert Marcellin. 4.20 p.m.—An hour with the 2GB Instrumentalist, DAN SCULLY, Murielle LANG, Ada BROOKS.

5.10 p.m.—The Newton Band. 5.45 p.m.—Grace and Owen's Banjo Band. 6.15 p.m.—Miss Grace Quine's (Descriptive Lecture).

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SYDNEY.

Monday, 8th August.

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2GB, SYDNEY.

Monday, 8th August.

MORNING SESSION.

9.00 a.m.—Music. 9.30 a.m.—G.P.O. Clock and Chimes, addressed by Mr. Walter Hunt.

9.55 a.m.—Address. 10.00 a.m.—Psychological Class. 10.45 a.m.—Dr. Calvert. 11.00 a.m.—Health Talk.

10.00 a.m.—Close down.

AFTERNOON SESSION.

3.35 p.m.—Music. 3.55 p.m.—Address. 4.10 p.m.—Sid Owen's Band. 4.30 p.m.—Close down.

EVENING SESSION.

6.30 p.m.—Children's Section. 7.30 p.m.—Address. 7.55 p.m.—Talk. 8.30 p.m.—Music. 10.30 p.m.—Address.

3.30 p.m.—Children's Section.

5.30 p.m.—MRS. D. SEAL;

"Homestaffs."

5.35 p.m.—STUDIO ORCHESTRA;

"Greek Castles" (Lehmann).

5.45 p.m.—DOBBIE PEARCE, baritone;

"The Nicene" (Adams). 6.05 p.m.—Mr. Wishart (Percussion). 6.20 p.m.—YASMIN TAYLOR, sopranos;

"When There's a Will, There's a Way" (Hibbert). 6.45 p.m.—WALTER SMITH, cornet;

"The Alpine Rose" (Rimmer). 8.15 p.m.—MISS STRALLA, soprano;

"My Little Lady" (Phillips). 8.30 p.m.—DOBBIE PEARCE, baritone;

"Because" (D'Harleco). 8.45 p.m.—STUDIO ORCHESTRA;

"Veni" (Heinrich). 8.55 p.m.—MISS FLORA TELL, Inspector of Schools;

"Domestics Economy." 9.00 p.m.—"Have news service. Stock Exchange information.

9.30 p.m.—Close down.
SMOOTH, steady, and consistent output of current from the “B” Battery is vitally important to the best operation of your set. That is the reason why so many listeners are using Volton “B” and “C” Batteries. And these have the advantage of astonishing powers of recuperation during idle hours. You’ll find Voltons a good investment; they give longer, better service.

There’s a “Volton” suited to your set.

Ask at your dealers, or the
WELDON ELECTRIC SUPPLY CO., LTD.
Suppliers of everything in Radio & Electrical equipment.

352 KENT STREET, SYDNEY
WIRELESS WEEKLY

Friday, 8th August, 1927.

Page Thirty-Eight

11 p.m.—FROM THE STUDIO—the sixth and last presentation by EDGAR WARWICK in association with ELIEN DAW, entitled, "MODERN ELECTRONIC EFFECT." Scene: Mrs. Grafton's Drawing-room at 5.29 p.m.
12 p.m.—JULES VAN DER KLEI, "cello solo:
"Scherzo" (Beethoven).
12 p.m.—FROM HER MAJESTY'S THEATRE:
A foreword to the next item from "Madame Pompadour."
12.22 p.m.—'By the Light of the Moon,"

3AR, MELBOURNE

Monday.

MORNING NEWS SESSION.
11 a.m. to 12 noon.

MIDDAY CONCERT SESSION.
1.12 p.m. Transmitted from Panorama House, 255 Collins Street (by exclusive permission of Wills and Paton Ltd.), on the Brunswick Panorama.

MATINEE SESSION.
ORCHESTRAL CONCERT:
Sports results (Richmond Troop). The results will be broadcast as they come to hand.
2.30 p.m.—Studio Orchestra.
2.45 p.m.—The Two Waifs: "Golden Dreams" (Stoneham).
2.59 p.m.—World Music Session.
3.45 p.m.—WINDLE, English entertainers, in a solo baritone.
3.55 p.m.—ALFRED CUNNINGHAM, baritone.
"Wherever You Walk" (Handel).
3.56 p.m.—"on the site of the one from Madame Pompadour.
4.00 p.m.—"Serenade"—MADAME POMPA-DOUR sung by FRANK WEBER and Chorus of Soldiers.
4.15 p.m.—FROM THE STUDIO: WIN and WINDLE, English entertainers.
4.30 p.m.—JULES VAN DER KLEI, "cello solo:
"Laubertto" (Moncrif).
4.30 p.m.—FROM HER MAJESTY'S THEATRE, SYDNEY:
Intermission and Ensemble to the second act of "Madame Pompadour" by the full company.
4.35 p.m.—"Love's Sentry," BEPPIE DE VRIES and FRANK WEBER.
4.33 p.m.—FROM THE STUDIO: WIN and WINDLE, English entertainers, repeat their "Thought Reading Act."
4.34 p.m.—JULES VAN DER KLEI, "cello solo:
"In a Chinese Temple Garden" (Katsch).
4.34 p.m.—ALFRED CUNNINGHAM, baritone.
"Pilgrim's Song" (Tschaikowsky). 4.38 p.m.—Music Competition, No. 5, in which a number of musical instruments will be sounded and listeners invited to guess the actual instruments used.
4.38 p.m.—MONTGOMERY'S DANCE ORCHESTRA.
4.38 p.m.—FROM HER MAJESTY'S THEATRE, SYDNEY:
Intermission and Ensemble to the second act of "Madame Pompadour." 4.40 p.m.—"Serenade," MADAME POMPA-DOUR sung by FRANK WEBER and Chorus of Soldiers.
4.45 p.m.—FROM THE STUDIO: WIN and WINDLE, English entertainers.
4.50 p.m.—JULES VAN DER KLEI, "cello solo:
"In a Chinese Temple Garden" (Katsch).
4.54 p.m.—ALFRED CUNNINGHAM, baritone.
"Pilgrim's Song" (Tschaikowsky).
4.58 p.m.—Music Competition, No. 5, in which a number of musical instruments will be sounded and listeners invited to guess the actual instruments used.
4.58 p.m.—MONTGOMERY'S DANCE ORCHESTRA.
5.08 p.m.—FROM HER MAJESTY'S THEATRE, SYDNEY:
Intermission and Ensemble to the second act of "Madame Pompadour.
5.08 p.m.—"Flamenco"—Two of "Madame Pompa-Dour" by the full company.
5.10 p.m.—"To Act Two of "Madame Pompadour"—Two of "Madame Pompadour" by the full company.
5.10 p.m.—FROM THE STUDIO: JULES VAN DER KLEI, "cello solo:
"Broken Melody" (B證明).
5.17 p.m.—ALFRED CUNNINGHAM, baritone.
"Once I Loved a Maiden Fair" (Old English).
5.18 p.m.—FROM SLO STUDIO.
5.15 p.m.—WINDLE, English entertainers.
5.15 p.m.—"The World's First" (Old English).
5.20 p.m.—"Flamenco"—Two of "Madame Pompadour" by the full company.
5.20 p.m.—FROM THE STUDIO: JULES VAN DER KLEI, "cello solo:
"Broken Melody" (Bience).
5.27 p.m.—ALFRED CUNNINGHAM, baritone.
"Once I Loved a Maiden Fair" (Old English).
5.30 p.m.—WINDLE, English entertainers.
5.30 p.m.—"The World's First" (Old English).

Children's Session.
6.30 p.m.—"The Farmyard Five".

EVENING SESSION.
DANCE CONCERT.
7.30 p.m.—Mr. W. E. Smith, Early Postal History of Victoria.
7.45 p.m.—Market reports. News.
8.00 p.m.—Liberty's "Eights."
9.00 p.m.—Mr. Tarbon Raymond. The noted author and author of the wonderful lives and habits of Australian Bells.
9.05 p.m.—Mr. Miklos Green, The Italian Imme-
9.10 p.m.—Mr. Miklos Green. A Story: "Bambalino."
9.15 p.m.—Miss Dorothy Humphreys, soprano: "Dame Eliza Vallance."
9.16 p.m.—Mr. Miklos Green. A Story: "Bambalino."
9.16 p.m.—Mr. Tarbon Raymond. The noted author and author of the wonderful lives and habits of Australian Bells.
9.20 p.m.—Mr. Tarbon Raymond. The noted author and author of the wonderful lives and habits of Australian Bells.
9.24 p.m.—From the Studio: Musical items and social news.
9.30 p.m.—Chimes.
9.45 p.m.—From the Studio: Musical items and social news.
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“The amateur can do no better than imitate the manufacturers.
He will thus be profiting by their experience and experiments
and will obtain equipment for his radio set which will be satis-
factory in every way and continue so, for its insulation will be
practically indestructible.”

You get the best possible radio insulating material when you buy Formica.
It has very high dielectric strength and resistance to moisture. Used in
radio or other panels it does not warp, and weather conditions do not
affect its handsome appearance. The surface has a high gloss, but by
sanding a handsome satin finish may be provided. Obtainable in black and
other finishes. The surface loss of Formica is practically nil. It is par-
ticularly recommended for use in sensitive telephone and telegraph apparatus,
scientific instruments, high power radio apparatus, high tension transformers,
X-Ray apparatus, etc., and all conditions requiring a material of high di-
electric strength, insulation, resistance and mechanical strength.

Obtainable from all leading Radio Dealers

BRITISH GENERAL ELECTRIC CO. LTD.

154-6 Clarence Street,
Sydney
370 Murray Street,
Perth

590 Bourke Street, West,
Melbourne
Willeson Street,
Wellington N.Z.

21 Pulteney Street,
Adelaide
14 Dowling Street,
Dunedin

145 Worcester Street, Christchurch.

The Boon Companions of Osram Valves.
WIRELESS WEEKLY
Friday, August 25, 1927

Tuesday, August 9

2FC, SYDNEY.

Early Morning Session.
7 a.m. — "Big Ben" and announcements.
7.30 a.m. — Studio music.
8.30 a.m. — "In the Know — 2FC Special." Official weather forecast, rainfall, atmospheric measurements, shipping intelligence. also a talk by the 2FC Racing Commissioner.
9 a.m. — "Big Ben." Close down.

Morning Session.
10 a.m. — "Big Ben" and announcements.
10.30 a.m. — Studio music.
10.45 a.m. — a talk by 2FC Racing Commissioner.
11.15 a.m. — "Big Ben." Morning Herald Services.
11.45 a.m. — a talk by Rosemary Cooking and Recipes by Emily Park.
12.30 a.m. — "Big Ben." Close down.

Midday Session.
12 noon — Radio-Studebaker contest.
12.30 p.m. — Official weather forecast, rainfall.
12.45 p.m. — "Big Ben." Morning Herald news service.
1.15 p.m. — "Big Ben." Close down.

Afternoon Session.
2 p.m. — "Big Ben" and program announcements.
2.30 p.m. — Studio music.
3 p.m. — "Big Ben." Close down.
4 p.m. — "Big Ben." Close down.
6 p.m. — Tune in.
6.30 p.m. — "Big Ben." Close down.
7 p.m. — "Big Ben." Close down.
8 p.m. — "Big Ben." Close down.
9 p.m. — "Big Ben." Close down.
10 p.m. — "Big Ben." Close down.
11 p.m. — "Big Ben." Close down.

Radio-Studebaker Contest Details.
Entries are now open for the Radio-Studebaker Contest, and the winner of the contest will receive a Studebaker car. The contest is open to all listeners and the rules are as follows:

1. Listeners must register their entries by calling the station and providing their address, name, and telephone number.
2. Entries are due by the 31st of August.
3. The winner will be announced on the 1st of September.

Other Events.
11 a.m. — "Big Ben." Close down.
1 p.m. — "Big Ben." Close down.
3 p.m. — "Big Ben." Close down.
5 p.m. — "Big Ben." Close down.
7 p.m. — "Big Ben." Close down.
9 p.m. — "Big Ben." Close down.
11 p.m. — "Big Ben." Close down.

Night Session.
10 p.m. — Program announcements.
10.30 p.m. — "Big Ben." Close down.
11 p.m. — "Big Ben." Close down.
12 midnight — "Big Ben." Close down.
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Other News.
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11 n
TONIGHT A MILLION PEOPLE WILL LISTEN IN

with

Atwater Kent RADIO

ONE of the million people in America have discovered the convenience of Atwater Kent Radio by installing it in their homes. It has been the choice of men whose ears are open to the world of wireless—because it is the choice of famous singers, in entertainers and of public speakers.

Why? Because Atwater Kent has revolutionized all ideas of reception. It has set new standards of purity, tone, volume and selectivity. It has achieved new heights of perfection and of compactness, its simplicity is such that a child may operate it. The standard model 10 (illustrated) demonstrates this. The compact Model C00, requires but little manipulation, in beauty it equals a living section to the home itself.

Atwater Kent Radio is built in the largest Radio factory in the World from the finest parts, and to the most exacting specifications. One feature we revel in is the advantage of the buyer, for Atwater Kent Radio, despite its overwhelming superiority, is available at a cost all can afford.

Prices from £29/10/-

Cash price

(Cash Value Compact—Set only)

The Atwater Kent dealer nearest you will gladly demonstrate the sets to you in your home, if you like. Mail the coupon and receive, post free, literature giving all the facts about Atwater Kent Radio.

Atwater Kent Radio

Metropolitan Distributors: P. & R. WILLIAMS, LTD., 45-47 Wentworth Avenue, Sydney

Country Agents everywhere (Names on request from A. C. Healing Ltd.)
WIRELESS WEEKLY

8.25 p.m.—HARRY CASH, comedian, makes his first appearance: "Tea and Cream."
8.41 p.m.—M. L. S. R. BOWDEN will talk on Napier, the city of parrots.
9.41 p.m.—W. E. W. C. MORT will read a story of the M.E.W. STATE MILITARY BAND:

Selection: "The Belle of Brittany" (Ballad).
5.30 p.m.—"DO YOU KNOW?" A series of everyday questions to be asked by the announcer, with a "THURSDAY NIGHT" listener. The answers will be given later in the evening.
9.30 p.m.—MADAME EMILY MARKS, soprano.
10.15 p.m.—THE N.S.W. STATE MILITARY BAND:
(a) A grotesque two-step: "Two Thais in Tonquin,"
(b) Voces Poenae, "Lilas" (Roberts).
11.00 p.m.—FRASER OSS, baritone.
11.30 p.m.—"FRIENDSHIP" (Lobey).
12.00 p.m.—HARRY CASH, comedian: "Italian Opera Burlesque."
1.30 p.m.—MADAME EMILY MARKS, soprano.
2.30 p.m.—THE HAYMARKET OPERATIC ORCHESTRA: Conductors, Stanley Forbes.
4.45 p.m.—"NOW YOU KNOW." The answers to the questions given at 8.3 p.m.
5.00 p.m.—THE N.S.W. STATE MILITARY BAND:
Selection: "The Tornado" (Monkstein).
5.30 p.m.—SYDNEY CALLANDER, baritone: "I Never Know" (Ball).
6.00 p.m.—HARRY CASH, comedian: "Dance of the Blue Banana.
12.30 p.m.—MADAME EMILY MARKS, soprano.
1.30 p.m.—SYDNEY CALLANDER, baritone: "Ten thousand years from now" (Ball).
2.30 p.m.—THE HAYMARKET OPERATIC ORCHESTRA: Orchestral numbers, under the baton of Mr. T. Louis.
3.30 p.m.—DANCE SESSION, conducted by LEN MAURICE.
3.45 p.m.—PUBLIC IN CONVULSIONS.
4.30 p.m.—DANCE SESSION, arranged by Len Maurice.
12.45 p.m.—SYDNEY CALLANDER, baritone.
12.47 p.m.—Late news and announcements.
11 p.m.—"Big Ben."

DANCE SESSION until 1.30 p.m., conducted by LEN MAURICE.
11.10 p.m.—National Anthems. Close down.

2BL, SYDNEY.

Tuesday.

EARLY MORNING SESSION.
7 a.m.—G.P.O. Clock and chimes. Metropolitan Weather Forecast.
7.15 a.m.—G.P.O. Clock and chimes. Fruit Market report.
7.25 a.m.—Vegetable Market report.
7.30 a.m.—A.M.L. and F. Co.'s Report.
7.40 a.m.—Dairy Farm Produce Market report.
7.50 a.m.—J. E. Blackmore, Market reports.
8 a.m.—G.P.O. Clock and chimes.
8.45 p.m.—G.P.O. Clock and chimes. Close down.

MORNING SESSION.
8.15 a.m.—G.P.O. Clock and chimes. Musical programme from studio.
8.50 a.m.—G.P.O. Clock and chimes. Musical programme from studio.
9.30 a.m.—G.P.O. Clock and chimes. Musical programme from studio.
10 a.m.—G.P.O. Clock and chimes. Musical programme from studio.
11.15 a.m.—Social Notes—Repplies to correspondents of Mrs. Jordan. Talk on "Medical Charities" by Mr. A. B. Woodford.
12 noon.—G.P.O. Clock and chimes. Special Forecast and weather report.
12.30 p.m.—G.P.O. Clock and chimes. From the studio.
12.45 p.m.—G.P.O. Clock and chimes. Special Forecast and weather report.
12.50 p.m.—Fruit Market report.
12.52 p.m.—G.P.O. Clock and chimes. From the studio.
12.55 p.m.—London Metal Market report.
1.00 p.m.—Dairy and Farm Produce Market report.
1.10 p.m.—G.P.O. Clock and chimes. From the studio.
1.15 p.m.—G.P.O. Clock and chimes. Close down.

AFTERNOON SESSION.
1.30 p.m.—Special Radio Service: "Women in Industry" with Mr. Martin. G.P.O. Clock and chimes.
1.33 p.m.—G.P.O. Clock and chimes. News from the "Sun."" The Government's decision to build the "Sun."" Australia's decision to build the "Sun.""
1.38 p.m.—G.P.O. Clock and chimes. News from the "Sun."
1.40 p.m.—G.P.O. Clock and chimes. News from the "Sun.""""Australia's decision to build the "Sun."""" Australia's decision to build the "Sun.""
1.45 p.m.—G.P.O. Clock and chimes. News from the "Sun.""""Australia's decision to build the "Sun."""" Australia's decision to build the "Sun.""
1.50 p.m.—G.P.O. Clock and chimes. From the studio.
1.55 p.m.—G.P.O. Clock and chimes. Special Forecast and weather report.
2 p.m.—G.P.O. Clock and chimes. Close down.

EARLY EVENING SESSION.
4.15 p.m.—G.P.O. Clock and chimes.
4.30 p.m.—G.P.O. Clock and chimes.
4.45 p.m.—G.P.O. Clock and chimes.
5 p.m.—G.P.O. Clock and chimes.

SPECIAL COUNTRY SESSION.
7 p.m.—G.P.O. Clock and chimes.
8.00 p.m.—G.P.O. Clock and chimes. Special Country Programme.
8.15 p.m.—G.P.O. Clock and chimes. Special Country Programme.
8.30 p.m.—G.P.O. Clock and chimes. Special Country Programme.
9 p.m.—G.P.O. Clock and chimes. Special Country Programme.
9.15 p.m.—G.P.O. Clock and chimes. Special Country Programme.
9.30 p.m.—G.P.O. Clock and chimes. Special Country Programme.
9.45 p.m.—G.P.O. Clock and chimes. Special Country Programme.
9.55 p.m.—G.P.O. Clock and chimes. Special Country Programme.

10.15 p.m.—BROADCASTER LIGHT ORCHESTRA.
10.25 p.m.—"The Ambassadors" Dance Band. Special Country Programme. Special Country Programme.
10.30 p.m.—G.P.O. Clock and chimes. Special Country Programme. Special Country Programme. Special Country Programme.
10.35 p.m.—Radio and Farm Produce Market report.

3LO, MELBOURNE.

Tuesday.

MIDDAY SESSION.
12 noon.—Time Signal: Metal Prices received by the Australian Metal and Metals Association from the London Stock Exchange.
1.00 p.m.—G.P.O. Clock and chimes. Special Country Programme. Special Country Programme. Special Country Programme.
1.05 p.m.—"The Ambassadors" Dance Band. Special Country Programme. Special Country Programme. Special Country Programme.
1.10 p.m.—"The Ambassadors" Dance Band. Special Country Programme. Special Country Programme. Special Country Programme.
1.15 p.m.—"The Ambassadors" Dance Band. Special Country Programme. Special Country Programme. Special Country Programme.

From Icy Pole to Tropic Jungle: Burgess.
Announcement

Jefferson Transformers

No matter what circuit you wish to complete, there is a JEFFER-SON Transformer that will bring you the highest possible degree of amplification. Right from the start put JEFFERSONS in your set—don't experiment—expert Radio Engineers after careful and exhaustive tests have found them perfect in every detail of construction. Distant stations are tuned in with ease, and you will be highly pleased with the extreme sensitivity, quietness and the freedom from distortion.

18/6
Ratio: 3.75 to 1

ELECTRICAL CHARACTERISTICS.

- Designed for operation with all standard tubes.

1. Ratio of secondary to primary turns, 3.75 to 1.
2. Useful tone frequency range, 60/5000 cycles.
3. Allowable current on each winding, 10 milli-amperes.
4. Test voltage between primary and secondary, between primary and ground, 500 volts.
5. Maximum operating voltage in conjunction with tube, 300 volts.
6. D.C. Resistance of windings:
   - Primary, 1000 ohms. (approx.)
   - Secondary, 5000 ohms. (approx.)
7. Primary and secondary wound with No. 40 enamel-covered copper wire.

Obtainable from all Reputable Radio Dealers.

SOLE AUSTRALASIAN AGENTS:

Fox & MacGillycuddy Ltd.

Daily Telegraph Buildings, King Street
STERLING COMPONENTS

Sterling Super Transformers
Guaranteed to maintain a noise-free operation at all frequencies. Each transformer is subjected to a series of exacting tests, and is supplied with a specially prepared insulating medium called "Sterlingina," which protects the windings from breakdown and corrosion. Each Transformer is unconditionally guaranteed for a year from date of purchase.

Sterling Mini-Loose 50 Law Condensers
These Condensers have a high maximum to minimum capacity ratio. The novel double movement has a ratio of 7 to 1. It is very smooth in operation, and allows no back-leak or grating. The moving vane is so mounted that there can be no side-play; they are attached permanently to the framework, with a 0.0015 mfd. and a flexible connection.

Sterling L.F. Choice
Can be used for low frequency, coupled high frequency amplification, and will give excellent and distortion-free performance; also for smoothing purposes in connection with high tension supply units, and will carry a current of up to 30 milliamps mounted-in the embers for mounting in a suitable direction.

Ask for full particulars & prices.

A. COLLINS
Room 12, 5th Floor,
Daily Telegraph Buildings,
SYDNEY - N.S.W.

3AR, MELBOURNE

Tuesday.

Morning News Session
11 a.m. to 12 noon.

Midday Concert Session
12.30 p.m. to 1 p.m.
Transmitted from Panasonic House, 322 Collins Street (by exclusive permission of Wills and Paton, Ltd.).

Matinee Session
Orchestral Concert
2.30 p.m.—Studio Orchestra.
2.45 p.m.—Miss Lilian Van Eeden, soprano, "Flower Song" from "Faust" (Gounod), "Mighty is the power" (Nevin), with violin obbligato.
3.33 p.m.—Opera Orchestra.
4.30 p.m.—Mr. Ronald Bayliff, soloist; "Danse Russe" (Rachmaninoff). 5.12 p.m.—Studio Orchestra.
5.27 p.m.—Miss Lilian Van Eeden, soprano, "The Prodigal Son" (Casanova Frangione), "Love has Eyes" (Bishop).
6.33 p.m.—Studio Orchestra.
8.00 p.m.—G.P.O. clock says, "Four.

Evening Session
Music and Mirth
7.30 p.m.—"The Captain"—School life and school sports for the boys and girls of Australia.
7.55 p.m.—Market Reports, Notices, etc.
8.15 p.m.—G.P.O. clock says, "Eight.
9.11 p.m.—Mr. Alan Bell, comedian, merry moments with a morriemaker; "Fashions in Fishing" (Chapin). "A short skit on Westclox" (Original).
9.19 p.m.—Miss Marjory Bennis, contralto; "Black, Red, Blue" (Bolton, Rees). "Sincerity" (Clarke).
9.26 p.m.—Announcements.
9.30 p.m.—Mr. Leslie Jeniott, tenor; "Meinland in the wood" (Gies). "Mighty is the power" (Nevin).
9.37 p.m.—The Two Walks, popular duet—A entertaining duo who have just arrived in Melbourne on their Australian tour; "Bridget O'Flynn" (Sterling and King), "Rip Van Winkle" (Dowd). "Minuet" (Couture).
9.45 p.m.—Mr. Stafford Byrne, soloist; "Matricul" (Spitri).
9.52 p.m.—Miss Maud Rosemary, soprano; "The Vines" (Mendelssohn). "Cock o' the Walk" (Rachmaninoff).
9.59 p.m.—G.P.O. clock says, "Nine.

Children's Hour
6.30 p.m.—"Uncle Mace's" entertainment.

Night Session
9th Battalion Reunion
The radio莉 program will include the broadcast of the 9th Battalion annual concert.

From the Anzac Club
3 p.m.—9th Battalion Annual "Smoke.
Royal National Ehow.

The second portion of the programme will comprise the broadcast of a description of the main ring event of the Exhibition Ground. A microphone will be placed in the ring, and an announcer will describe the ring show. The main ring event will also be described from the Exhibition Grounds.

5CL, ADELAIDE.

Tuesday.

Morning Session
12 noon to 2 p.m.

Afternoon Session
5 p.m. to 7 p.m.

3QG, BRISBANE.

Tuesday.

Midday Session
1 p.m.—Marlet reports, Weather Inquiries, "The Daily Mail" and "The Daily Standard" news.

From Hotel Carlton
1.50 p.m.—Lunch music played by Hotel Carlton Symphonic Orchestra.

From the Observatory
1.54 p.m.—Standard time signal.
2 p.m.—Close down.

Afternoon Session
1.30 p.m.—A programme of music from the Studio.
4.15 p.m.—"Telegraph" news.
4.30 p.m.—Close down.

Early Evening Session
4.30 p.m.—"Daily Standard" news.

Night Session
9th Battalion Reunion
The radio莉 programme will include the broadcasting of the 9th Battalion annual concert.

From the Anzac Club
3 p.m.—9th Battalion Annual "Smoke.
Royal National Ehow.

The second portion of the programme will comprise the broadcasting of a description of the main ring event of the Exhibition Ground. A microphone will be placed in the ring, and an announcer will describe the ring show. The main ring event will also be described from the Exhibition Grounds.

10 p.m.—"The Daily Mail" news; Weather reports.
11 p.m.—Close down.
EVENING SESSION.
6 p.m.—Chimes.
6.05 p.m.—Rhub from the Crewe Gardens.
Restaurant: Orchestral selections.
6.30 p.m.—Bedtime Stories by Uncle Jack and Uncle radio.
6.45 p.m.—Reading time of the East West Express.
7.05 p.m.—Bedtime stories continued.
7.55 p.m.—Gardening talk by "Spade."
8.05 p.m.—Hymn. Beautiful talk by "Domus."
8.15 p.m.—Chimes.
8.30 p.m.—Special Chinese Night.
Mr. Roberts—Chinese Legend.
Studio Orchestra will play in incidental music, assisted by the following artists: Mrs. Keith Steward, soprano: Selected, Mr. Ken Hughes, tenor: Selected, Mr. F. G. Gourley, tenor: Selected.
9 p.m.—Official Weather report and forecast.
9.20 p.m.—Dalgety's Wheat report.
9.30 p.m.—Chinese Night, continued.
10.00 p.m.—Dr. Fish.
10.45 p.m.—Chinese Night, continued.
11.00 p.m.—Chinese Night, continued.
11.30 p.m.—"Adventurer" news service and Wireless shipping. "Western Australia" reports.
11.35 p.m.—Auction Bridge, by Radio: Game No. 3.
12.05 p.m.—Studio Orchestra.
12.15 p.m.—Tomorrow's programme. Station announcements. Weather bulletin. Rational Anthem.

6WF, PERTH.

Tuesday.

12.30 p.m.—Tune in.
12.35 p.m.—First Local News Bulletin, supplied by courtesy of "The West Australian" Newspaper Co.
Market Reports, supplied by the West Australian Farmers' Limited.
Cables, supplied by the Australian Press Association.
1 p.m.—Time Signal from Perth Observatory.
1.10 p.m.—Weather Notes, supplied by the Meteorological Office of Western Australia.
1.20 p.m.—STUDIO QUINTETTE.
1.30 p.m.—Close down.
2.10 p.m.—Tune in.
3.30 p.m.—Musical Programme, including Piano forte selections.
4 p.m.—INSTRUMENTAL TRIO.
4.30 p.m.—Close down.
4.45 p.m.—Tune in.
5.00 p.m.—PLAYETTE, by the Aunties and Uncles.
5.20 p.m.—Stock and Share Intelligence, supplied by courtesy of Messrs. Saw and Grimwood, Limited.
Market Reports, supplied by the West Australian Farmers' Limited.
Cables, supplied by the Australian Press Association.
6.15 p.m.—Tune in.
6.30 p.m.—Time Signal from Perth Observatory.
7.15 p.m.—Weather Notes, supplied by the Meteorological Office of Western Australia.
7.30 p.m.—ORCHESTRAL NIGHT:
Concert by the STATION ORCHESTRA under the leadership of Mr. RONALD MOYLER, A.T.C.L.
Vocal Artists.
8 p.m.—The Daily News, supplied by "The Daily News" Newspaper Co.
Ships in range.
Weather Report and Forecast.
9.00 p.m.—Close down.

90% of Bad Reception is due to BATTERY TROUBLES ......

90% of Battery Troubles is due to FAULTY CHARGING or Neglect.

There is absolutely no need for EITHER of these worries.

THE very latest in Battery Chargers. It charges while you sleep. Nothing to get out of order. The only Charger that is guaranteed. Will charge a six volt accumulator at two and a quarter amps. Eighty volt B Battery one-eighth to one-quarter amp.

LET US TELL YOU ALL ABOUT IT

Model A.

£5/10/-

TERMS—30/- deposit, 12 weekly payments of 7/6 for changing A Batteries only

Model AB.

£6/10/-

TERMS—35/- deposit, 12 weekly payments of 9/- for changing A & B Batteries

Colville Moore Wireless Supplies Limited
10 ROWE STREET, SYDNEY
Phone B 2261
Swapping Sets!

In the beginning men traded coconuts for coconuts. To-day the Divorce Court and the Motor Trader have brought swapping to a fine art.

Women, of course, are more conservative. It has taken them ten thousand years to swap the Fig Leaf for the Short Skirt and the tendency to-day is distinctly in favor of the Fig Leaf.

Now I see by this issue of "Wireless Weekly" that my old pals of 286 Casleragh Street, Sydney—New System Talk—Big Ben, Ltd—are coming into the radio set game on top gear, doing for the set owner what their Burgess and Philco have done for batteries.

But you can read all about this Drum Control "New System 6" in the advertising columns and you will probably chuck it as wickedly as I did at its slogan "Makes other sets old." It sounds like a new face powder or a cure for wrinkles!

What really interests me is their creation of a kind of "Used Car Department"—drive in your old set and drive out the new! Any owner, it seems, can trade in his old set and have a superb new set installed, paying the balance on easy terms, and having expert tuition into the bargain.

That sells me! I don't know a "Drum Control" from a cab horse, but I guess that the Company which gave us Burgess and Philco batteries would never spring anything in sets which was not about five years ahead of the game.

Anyhow, it will tickle me to swap my old three dial set for a modern wonder and then say casually to that skite next door:

"My word, Bill, this Drum Control is a corder, and its addition of regeneration to the R.F. Voltage gives tremendous total amplification!"

If that doesn't knock him cold, I shall be very surprised. My tip is that after three talks in the tram, Bill will take an axe to his present set! When he has finished the job—perhaps he'll tell me what the New System folk allowed me on my ancient roaster!"

Wednes., August 10
2FC, SYDNEY

EARTLY MORNING SESSION.

7 a.m. — "Big Ben" and announcements.

8.15 a.m. — COUNTRY SESSION: Official weather forecast, rainfall, temperatures, astronomical observations, shipping intelligence, mailservice.

9.25 a.m. — Investment market, mining share market, wheat market, mustard and oilseed market.

10.35 a.m. — Wool sales, beef and cattle markets, inter-state markets, produce markets.

11.45 a.m. — "Sydney Morning Herald" summary.

12 noon. — "Big Ben." Close down.

MORNING SESSION.

10 a.m. — "Big Ben" and announcements.

11 a.m. — Studio music.

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

12.50 p.m. — "Big Ben." Marching music for school children.

12.55 p.m. — "Sydney Morning Herald" summary.

12.40 p.m. — FAITH MALLARY, mezzo.
Freshness

The most salient of the many excellent features of the Ever-Ready Radio Battery is its freshness. Whereas the imported battery loses much precious vitality while in the moist ship's hold, the Ever-Ready Battery is Sydney-made, and is guaranteed by the makers against any loss of power. All batteries undergo a strict test before leaving the Ever-Ready factory.

Wire them in now—you'll hear the difference.

"Wanda" Plug Radio Battery

This illustrates the new radio high-tension "B" Battery, which can be obtained 314, 42 or 63 volts, fitted with a Wanda plug, and 2 screw terminals.

PRICE:

<table>
<thead>
<tr>
<th>Size</th>
<th>Type</th>
<th>Voltage</th>
<th>Price</th>
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<tr>
<td>Small size</td>
<td>type XP</td>
<td>31.5</td>
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<tr>
<td>Small size</td>
<td>type WP</td>
<td>42</td>
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<td>Large size</td>
<td>type WP</td>
<td>63</td>
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<td>Extra large size</td>
<td>type WP</td>
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If unobtainable locally, write for address of nearest source of supply to

The Ever-Ready Co. (Gt. Britain) Ltd.

163 Pitt Street, SYDNEY
This is the new Burgess Radio "A" Battery

A specially designed "A" battery for radio service. There is nothing like it in its field.

Proportioned to permit ease of handling and convenience of cabinet assembly and storage, you may expect this new Burgess creation to give you the length of service and dependability under all conditions for which all products of Burgess are noted.

If you are using the ordinary type of No. 6 "A" battery, we suggest you learn for yourself from the Burgess Radio "A" the measure of service you have a right to expect.

Ask Any Radio Engineer

Burgess Radio Batteries are obtainable from all high-class Radio Dealers.

A thrilling description of "Adventures of Burgess" is obtainable free upon application for Booklet No. 100 to

New System Telephones Pty. Ltd.
280 Castlereagh St., Sydney
Melbourne — Adelaide

Q'land Agents: Canada Cycle & Motor Agency (Q.) Ltd., Creek & Adelaide Streets, Brisbane

WIRELESS WEEKLY

Friday, 5th August, 1927.

EVENING SESSION.

6.30 p.m. — Music, and Child's Service.

7 p.m. — Music.

7.15 p.m. — Address.

7.30 p.m. — Dedication — Church Service.

7.45 p.m. — Address.

8 p.m. — Special Service.

8.15 p.m. — Announcements.

8.30 p.m. — Songs by Eve Cribb:

1. "Dove in the Storm" (Chansonet). 2. "None but the wavy heart" (Tuberculosis)

8.55 p.m. — Address by Professor Ernest Wood.

9 p.m. — Instrumental Trio.

9.15 p.m. — Address.

9.45 p.m. — Music.

10 p.m. — Closing.

EARLY EVENING SESSION.

5.45 p.m. — G.P.O. Clock and Chimes; Uncle Bass and the Kalibis.

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

SPECIAL COUNTRY SESSION.

7.30 p.m. — G.P.O. Clock and Chimes; Australian Mercury Land and Finance Co. Report; Western Report and Forecast by Courtesy of Government Geomorphologists; Producers' Distributing; Society's Fruit and Vegetable Bulletin; Stock Exchange Reports; Grain and Fodder Report ("Sun"); Dairy Produce.

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

7.50 p.m. — Talk by a Member of the St. John Ambulance Brigade.

8 p.m. — G.P.O. Clock and Chimes; Broadcasters' Special Group.

8.30 p.m. — The Canterbury District Band (Bandmaster, Mr. Stan Nicholas). Broadcast from Baker's Hall, Campbelltown.

8.45 p.m. — Mr. Raymond Beatty (Bass).

8.55 p.m. — Broadcasters' All Sport Special (Mr. Ray James). Broadcast from the Bondi Baths. During Intervals between Dances "Sun" News will be broadcast.

9.15 p.m. — Broadcasters' Trio.

9.20 p.m. — Mr. Ray Beatty (Bass).

10 p.m. — Closing.

3LO, MELBOURNE.

Wednesday.

MIDAY SESSION.

12 noon. — Time Signal; Metal Prices received by the Australian Mines and Metals Association from London.

12.15 p.m. — British Official News from Rugby; (intervals over). British Official News as broadcast by Associated Cable Co. "Aussie" News Service.

12.30 p.m. — JOE ABONSON AND HIS SYMPHONISTS.

"Mr. Manley's in Town" (Hitch). "Mr. Phoebe" (Davies).

1.30 p.m. — "He Puts It Down to Two to Two Today" (Robins).

1.45 p.m. — LESTER ELLIOTT, Comedian: A Woman Costs Less Than a Man.

2.30 p.m. — We've Got Two of Everything at Home.

2.45 p.m. — JOE ABONSON AND HIS SYMPHONISTS.

"School Day Sweetheart" (Edwards). "I'm Going to Plant a Rose in California" (Swift). "Oriental Moonlight" (Davies).

3.45 p.m. — Stock Exchange Information.


3.45 p.m. — JOE ABONSON AND HIS SYMPHONISTS.


1.45 p.m. — Meteorological Information; Ship Reports; Telereports; Weather Forecast for Victoria, South Australia, Tasmania, and New South Wales.

1 p.m. — Radio Reports for Victoria, South Australia, Tasmania, and New South Wales.

2.45 p.m. — JOE ABONSON AND HIS SYMPHONISTS.

"Novelty Numbers."
FULLER SPARTA LOUD SPEAKERS are well known for the excellence of their reproduction of both speech and music. Each instrument is carefully built and tested, and supplied under our guarantee.

Every Sparta Loud Speaker is fitted with Welch's Patent Magnetic Compensator, which gives a distinctness of rendering not found in any other instrument.

Cabinet Models, Fitted with diaphragm control and detachable grill, and finished in Oak or Mahogany. Type CHA (3 to 5 valves), CA (5 or more Valves).

Price: Oak, 26; Mahogany, 25/6/-.
Both Ex. Works.

FULLER TYPE B LOUD SPEAKER

Horn Models

These are full-size instruments of exceptional design and finish, and are supplied in Types A, B, and C, with diaphragm control and Types D, E, and F, with both diaphragm and tone control.

1-3 VALVES:
TYPES H8A and H18B.

3-5 VALVES:
TYPES H8A and H18B.

6 or More VALVES:
TYPES A, B, C, D, E, and F.

Price, £2/16/-, ex Works.

FULLER ACCUMULATOR COMPANY (1926) LTD.
CHADWELL HEATH.
:::
LONDON, ENGLAND.

Cables: "FULLER, CHADWELL HEATH"
Western Union & Letter (prepaid). A.D. 8th Ed. and BENTLeyS

ADDITIONAL AUSTRALIAN STOCKISTS REQUIRED
LIBERAL DISCOUNTS ALLOWED
ORDERS THROUGH USUAL ENGLISH SHIPPERS.

C.T.P. 133
WIRELESS WEEKLY
Friday, 30th August, 1930.

Evening Session.

4.30 p.m. — Answers to Letters and Birthday Greetings.

5.00 p.m. — Dr. F. D. E. E. T. B. (St. Paul's Cathedral) will entertain Hector McAdam and Others.

5.30 p.m. — MARY, MARY!

An almanac Race.

The Real Automobile Club of Victoria's Safety Message for Today is in For Everybody.

Climb this high hill, and keep your head.

Night Session.

7.15 p.m. — Under the auspices of the Department of Agriculture, Sir W. A. C. U. (Victoria) will speak on "Selection in War.

7.30 p.m. — Mr. Frank Milne, of Cobb and Co. Coachliners, will speak on "Excursions in Forty Years Ago.

8.15 p.m. — Captain C. H. Petersen: "Lads, Lasses and Others."

8.30 p.m. — Salvation Army Band: "March, Deliverance (Tweethorn), Trombone Trio."

8.50 p.m. — A. G. Sperry: "Comedy."

9.00 p.m. — "An Artist's Home, and an Orator."

9.15 p.m. — Salvation Army Band: "March, "Esteban.


10.00 p.m. — "Shall We to His?" (unpublished)

10.15 p.m. — "Shall We Play the "Setting of the Sun."

A scene from "The Life of an Old Country Vicar, His Two Daughters and a Lover."

Characters:

Rev. James Moorfield (a Vicar), P. A. Julian: Janet Moorfield (his sister daughter), Eva Moorfield (his daughter), Beatrice Beard, Harry Lane (a lover), H. C. Crisp: Ernestine/Maries, opening on to garden, table set for tea in porch, time: subject.

9.00 p.m. — Salvation Army Band: "March, "Esteban."

9.30 p.m. — Salvation Army Band: "March, "Esteban."

9.45 p.m. — Salvation Army Band: "March, "Esteban.

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11.00 p.m. — Salvation Army Band: "March, "Esteban."

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11.30 p.m. — Salvation Army Band: "March, "Esteban."

11.45 p.m. — Salvation Army Band: "March, "Esteban."

12.00 a.m. — Salvation Army Band: "March, "Esteban."

3AR, MELBOURNE

Wednesday.

Morning News Session.

11.00 a.m. — The Room.

Midday Concert Session.

12.30 p.m. — The Room. (Transmitted from Panorama House, 111 Collins Street, Melbourne, by exclusive permission of Willoughby and Patons, Ltd.)

Matinee Session.

Dance Concert.

Sport—During the afternoon the results of the Bendigo Harriers' Races, at Mountview Park, will be given as they come to hand.

2.30 p.m. — Studio Orchestra.

2.45 p.m. — A. C. A. S. (Hobart).

3.50 p.m. — Mr. Ernest Pettifer, saxophone: "Valley Brisker" (Causey).

4.15 p.m. — Studio Orchestra.

4.30 p.m. — Mr. Fred Champion, humorous entertainer.

4.45 p.m. — A. C. A. S. (Hobart).

5.00 p.m. — G.P.O. clock says, "Four.

5.15 p.m. — "General Wells," "Football." (Represents.)

5.45 p.m. — Miss B. Breckinridge, piano:

"Finger Margarets." (Represents.)

6.15 p.m. — "Sir John." (Represents.)

6.30 p.m. — Mr. Fred Champion, humorous entertainer.

6.45 p.m. — Mr. W. H. Pettifer, violin: "Lion." (Represents.)

7.00 p.m. — A. C. A. S. (Hobart).

7.20 p.m. — Studio Orchestra.

7.35 p.m. — "Sir John." (Represents.)

8.00 p.m. — "Lemonade." (Represents.)

9.00 p.m. — "Sir John." (Represents.)

10.00 p.m. — Studio Orchestra.

10.15 p.m. — "Sir John." (Represents.)

10.30 p.m. — "Sir John." (Represents.)

Children's Session.

6.30 p.m. — "The Farmyard Fete."

Evening Session.

Radio Competition Concert.

7.30 p.m. — Mr. Horace Oliver, of the Carlton Football Club. Two minutes on the interstate cycling of football.

7.45 p.m. — Mr. W. C. C. C. (Clayton, Planning Committee). Ten minutes on television in association with the "Kalimna" television committee, "Kalamena" television committee, "Kalimna" television committee, "Kalamena" television committee.

7.50 p.m. — "The Swift Brew." Solo pianist: Mr. William Anderson, tenor:

8.00 p.m. — "The Swift Brew." Solo pianist: Mr. W. C. C. C. (Clayton, Planning Committee).

8.15 p.m. — "Brilliant."

8.30 p.m. — "The Swift Brew." Solo pianist:

8.45 p.m. — "The Swift Brew." Solo pianist:

9.00 p.m. — "The Swift Brew." Solo pianist:

9.15 p.m. — "The Swift Brew." Solo pianist:

9.30 p.m. — "The Swift Brew." Solo pianist:

Make your own B Battery Eliminator

T.C.C.

Condensers

4 mF. and 1 mF. Tactel to 490 Vols D.C.

T.C.C. Condensers have been used on Domestic Lighting Supply for a number of years. They are perfectly safe and absolutely reliable. Don't use cheap, unsatisfactory, untarnished condensers, or you may seriously interfere with your lighting supply.

All T.C.C. Condensers are obtainable from Leading Radio Dealers.

Wholesale from:

Lawrence & Hanson Electrical Co., Ltd.

33 York Street, Sydney.
21-37 Charlotte St., Brisbane (W. Mel.)

EVENING SESSION.

7.30 p.m. — "The Farmyard Fete."

Radio Competition Concert.

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9.00 p.m. — "The Swift Brew." Solo pianist:

9.15 p.m. — "The Swift Brew." Solo pianist:

9.30 p.m. — "The Swift Brew." Solo pianist:

"Lovers" pursue their own blissful way.

Happy and smiling, contented, oblivious of all else than their own gratification.

8.15 p.m. — Salvation Army Band:

Selection: "Grown to the Great Masters" (Hobart).

8.20 p.m. — "Choral" news service: "Motorsoupical Information." British Official Wireless News from BBC. (Hobart).

8.25 p.m. — Sidney Burchall: "Sing and Pray." (Hobart).

8.30 p.m. — Mr. A. W. Jackson: "Country Golf." "Comment on the Day's Play." (Hobart).

8.45 p.m. — "Our Great Thought.

We should be as careful of our words as of our actions, and as far from speaking as from acting.

11.15 p.m. — Joe Aromosh and his Syn-Optating Symphony.

11.45 p.m. — "God Save the King."
RADION

For Radio Panels and Insulation

An insulating material of highest Standard and Dielectric Strength.

Used and acclaimed best by all the leading manufacturers of radio parts and sets.

We carry a complete line of Radion—Tubes, Panels, Sockets—in Black and Mahoganite.

We are equipped to cut any size desirable and give prompt deliveries.

International Radio Co. Ltd.

200 Castlereagh Street
Sydney
B Battery Eliminators and Parts

WE HAVE NOW IN STOCK A COMPLETE RANGE OF PARTS FOR THE CONSTRUCTION OF "B" BATTERY ELIMINATORS.

GENERAL RADIO
Rectifier Transformer Specially Designed for Plate Supply Units, PRICE, 60/-

FILTER CHOKE, PRICE, 60/-

Tubes "B" Block Condensers in Compact Neat Case, with Terminals at 8 mf, 2 mf, 2 mf, 1 mf, 1 mf. Price .................. 62/ 6
Raytheon B-H. Valves 25/- each
16,000 ohm Fixed Resistances .................. 5/- and 9/- each
Ciarostats Price, 14/- each

General Radio Eliminators

TYPE 425.
Operates from 240 volt A.C. Mains, and uses Raytheon B-H. Type Rectifier. It is tapped at 45-90. 130-230 volts. Suitable to operate any receiver.

PRICE, £17/5/0.

TYPE 420.
"B" Battery Eliminator and Power Amplifier Supplies Plate current for the Receiver, and for UX 171 Power Valve housed in the Eliminator. Uses the UX 213 Valve as a Rectifier.

PRICE, £24/7/6.

Power Amplifier & Plate Supply Kit
Same as Type 420, only in unassembled form. Suitable for building into sets where undistorted volume is required.

SWAIN'S
119-123 Pitt Street, SYDNEY.

Write or Call for Further Details.

The Prime Minister (Mr. S. M. Bruce), His Excellency the State Governor (Sir John Goodwin), Mr. E. Haynes, Mr. W. J. Affleck, and others.
2 p.m.—Close down.

AFTERNOON SESSION.
DESCRIPTION OF THE SHOW.
During the afternoon a full description of the Royal National Show, including the main events, will be relayed from the Exhibition Ground.
FROM THE EXHIBITION GROUND—
3.30 p.m.—A description of the Show.
FROM THE STUDIO—
4.45 p.m.—Beauty talk by Dorothy Webster.
"The Telegraph" news. Close down.

EARLY EVENING SESSION.
5 p.m.—"Daily Standard" news; announcements.
6.30 p.m.—The Children: Hour-Stories by "Little Miss Muffet.
7.45 p.m.—Stock reports.
7.43 p.m.—Weather news; announcements.
10.30 p.m.—"Standard" news; announcements.
11.45 p.m.—"Daily Standard" news; announcements.

NIGHT SESSION.
TIVOLI THEATRE.
By courtesy of Haymarket Theatres, Ltd., a half-hour's musical programme will be relayed from the Tivoli Theatre.
FROM THE TIVOLI THEATRE—
8 p.m.—Music by the Tivoli Orchestra (conductor, Mr. C. Groves).

STUDIO CONCERT.
FROM THE STUDIO—
8.30 p.m.—Hawaiian Instrumentalists in selected numbers, the 4/4G Hawaianis: concert solo, "My Prayer" (Stevens), Mrs. Charles Willey: a thought for to-night (Villa B. Lamont); "The Value of Things"; verse, "Comedy-Drama" (Toland); the Studio Orchestra (conductor, Mr. A. R. Featherstone); bass solo, "The Fishermen of England" (Phillips), Mr. J. P. Curnow.
9 p.m.—Metropolitan Weather forecast; a musical interpolation, "Musicians and How They Mingle," Mrs. Hilda Wolter; soprano solo, "A Night of Romance" (Nicholls).
Miss Mary McNeill: monologue, selected. Miss Eileen McManus: soprano solo, "Prince Charmian" (Oakey), the Studio Orchestra: concert solo, "Lullaby" (Rishon), Mrs. Charles Willey: Hawaiian instrumentalists, the 4/4G Hawaianis: bass solo, "Hope for the Dawn" (Granton), Mr. J. P. Curnow: fag. tct., "Moonlight on the Gentle" (Myers), the Studio Orchestra: soprano solo, selected, Miss Alina Adams: march, "The Suburbanite" (Allen), the Studio Orchestra.
10 p.m.—"The Daily Mail" news; Weather news. Close down.
NOTE.—During the night programme a description of the main events will be relayed from the new studio of 4/4G during the evening.

5CL, ADELAIDE.

Wednesday.

MORNING SESSION.
12 noon to 2 p.m.

AFTERNOON SESSION.
12 noon to 2 p.m.

3.30 p.m.—Chimes.
3.60 p.m.—Relay from the Maple Leaf Cafe: Orchestral Selections.
4.15 p.m.—From the Studio: Musical Items and Social notes.
4.45 p.m.—Chimes.
5.15 p.m.—Relay from the Arndell Cafe: Orchestral selections: Vocalist, Miss Chaplin.
5.45 p.m.—Station announcements.
6 p.m.—Chimes.
DE FOREST AUDION TYPE DL15

Ultra-Responsive Detector
Non-microphonic

SPECIFICALLY designed for the detection of weak incoming signals, the DL15 Ultra-Responsive Detector has no equal for tuning in those elusive D.X. stations with quality volume and faithful reproduction.

The sensitivity of the DL15 is so great that, when used in the older radio sets, the results are equivalent to the addition of one stage of well designed Tuned Radio Frequency amplification.

The DL15 is non-critical and operates instantly. It is an extremely fine Regenerative Detector in circuits where there is no radio frequency amplification as it permits a smoothness of control and fidelity of reproduction not obtained with other detectors.

A further unique and most important quality of the DL15 is that it is non-microphonic and does not require the use of cushioned sockets.

The plate current drain is extremely low.

Where sets are intended and wired for the use of a "hard" detector tube, as is the case in the vast majority of sets, no change in wiring is necessary, as the grid return of the DL15 should be connected to the positive filament.

FUNCTIONAL CHARACTERISTICS.

Filament Voltage .................. 5 volts
Filament Current .................. 25 amps
Plate Voltage .................. 22/—45 volts

Plate Current at 45 volts, with stopping condenser and 2 meg. grid leak in grid circuit and with grid return connected to positive filament.

Recommended Grid Leak .......... 4—6 megohms

PRICE —— 24/—

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A 6 INCH LENGTH COSTS YOU 3/9
Which is sufficient to make a set of coils.

All that is necessary is to cut the wire where required and turn back the ends. Your set of coils is then ready for mounting in your set.

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PRICE 7/6 PER LENGTH OF 12 INS.
Sold in any length up to 12 ins.

Manufactured in Sydney by—

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SALES AGENTS TO THE TRADE—
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Phone BW 1328

Thurs., August 11
2FC, SYDNEY

EARLY MORNING SESSION.
7 a.m.—“Big Ben” and announcements.
7.30 a.m.—Studio music.
7.15 a.m.—COUNTRY SESSION: Official weather forecast, weather, tempera-
tures, astronomical memoranda, shipping intelligence, mail services.
7.45 a.m.—Investigation market, mining share market, metal quotations.
7.55 a.m.—Wool sales, breadstuffs, markets, interstate markets, produce markets.
7.45 a.m.—“Sydney Morning Herald” summary.
8 a.m.—“Big Ben.” Close down.

MORNING SESSION.
8 a.m.—“Big Ben” and announcements.
8.30 a.m.—Studio music.
9.10 a.m.—“Sydney Morning Herald” news service.
9.30 a.m.—Studio music.
9.30 a.m.—A Reading Talk by the 2FC Commissioned Officer.
9.45 a.m.—Studio music.
10 a.m.—“Big Ben.”

Marching music for school children.
11.5 a.m.—A.P.A. and Radio’s Cable Services.
11.10 a.m.—Studio music.
11.15 a.m.—A Reading.
11.30 a.m.—Close down.

MIDDAY SESSION.
12 noon.—“Big Ben” and announcements.
12.20 p.m.—Stock Exchange, first call.
12.30 p.m.—Official weather forecast, rainfall, temperatures.
12.35 p.m.—Studio music.
12.50 p.m.—Summary of “Sydney Morning Herald” news service.
12.55 p.m.—Rugby wireless news.
1.25 p.m.—Studio music.
1.30 p.m.—Marching music for school children.
1.40 p.m.—MAYHE GILENAN, Irving soprano.
1.45 p.m.—“Over the Waters Blue” (Clarke).
1.55 p.m.—THE OAK HALL INSTRUMENTAL TRIO (leader, Mr. Horace Reid).
2.20 p.m.—Studio music.
1 p.m.—“Big Ben.” Weather intelligence.
1.25 p.m.—“Evening News” midday news service.

Producers’ Distributing Society’s Service.
2.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
2.50 p.m.—Stock Exchange, second call.
2.55 p.m.—Marching music for school children.
2.59 p.m.—MAYHE GILENAN, Irving soprano.
3.00 p.m.—“Bird Songs at Erewhon” (Cantey).
3.45 p.m.—Studio music.
3.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
A Five Valve Receiver

Farmer's now offer a most handsome decorative model of the new 5 Valve Receiver, in genuine laminated figured American Walnut, inlaid with Burr Walnut. This exclusive model has a single dial control, and each stage is totally protected with aluminium shields. Supplied with high-grade accessories and loud speaker, and erected in any suburban area, free of charge...

£52/10/-

For Weak Batteries

Balkite Trickle Charger, at 4 amps., prevents sulphating and building and need never, disconnection, the accumulator being charged whilst operating receiver. The operating maintenance is practically nil. Price...

£4/7/6

“B” Battery Eliminator

Philips “B” Battery Eliminator, does away with “B” batteries. For those desirous of an inexhaustible “B” battery supply, this instrument is invaluable. Has milliampere output of 55 milliamps, with absolutely no hum. Price £8/15/6

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BOX 497AA, G.P.O.
Improve Your Wireless Equipment

Balkite Trickle Charger

£4/7/6

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EXCEPTIONAL OFFER.

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Honey Comb Coils, Ltd., 25., 50, 75, set, 6/-
Atlas Mounted Coils 3/6
Coil Plugs, Couppling 1/6
Coil Plugs, Panel Fixed 1/6
Columbia 3 Coil Holders 5/6
Crystal Cups, N.P. 2d.
Cabinets, Assorted, from 15/-
Columbia 1½ Volt A. Battery
Price 2/6

VERNIER DIALS.

Vernier, 4 inch 4/6
Glo Dials 9/6
Emmco Vernier 7/6
Ultra Vernier 6/6
Single Circuit Jacks 3/6
Double Circuit Jacks 2/6
Single Circuit Panel Mt. 1/3
Battery Switch, Panel Mt. 1/3
Muter Lock Switch 2/6

Buffalo 'Phone Plugs. 1/3
Belden Hook-up Wire, 25 ft. 2/10

A Full Assortment of Hand Torches, and Torch Battery Refills.

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3 Spacious Floors.

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2BL, SYDNEY

Thursday.

EARLY MORNING SESSION.

7.30 a.m. — C.P.O. Clock and Chimes.

Metropolitan weather forecast.

7.35 a.m. — State weather report.

7.40 a.m. — News from "Daily Telegraph". (Pictorial).

7.45 a.m. — C.P.O. Clock and Chimes.

8.05 a.m. — Vegetable Market report.

9.05 a.m. — Australian Mercantile Land and

Settlement Co. Ltd.

9.15 a.m. — Dairy Farm Produce Market report.

9.35 a.m. — Poultry Market report.

10.00 a.m. — C.P.O. Clock and Chimes.

Musical programme from the Studio.
Work direct from your light socket

No more "A" Battery trouble

With the Cooper "A" Unit another radio problem has been solved! You won't miss any programme because your "A" Battery has run out, you won't have to carry heavy, clumsy batteries to be recharged after you install the Cooper "A" Unit. It works direct from the light socket: just a turn of the switch and you have full power.

The Cooper "A" Unit consists of a six-volt accumulator, and expertly designed and constructed trickle charger. The operation is entirely automatic. The Cooper "A" Unit supercedes the accumulator, charger and "A" batteries. There are no moving parts—no replacements. There is only the first expense. The Cooper "A" Unit obtainable at David Jones' remarkable price

We invite you to see the Cooper "A" Unit in our Radio Department, 22 York Street.

DAVID JONES'
For Service—Sydney
Baldwin Speakers
Volume and Tone.
Symphony
£3/3/-
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£5/5/-

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£48-5-6
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Baldwin Speakers, Neutron and Armax Batteries.

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Challis House, Martin Place :: Sydney

Use Neutron Crystal, THE BEST 2.3
EVENING SESSION.

4.40 p.m.—Answers to Letters and Birthday Greetings to "MARY GUMLEAF".

4.45 p.m.—STUDIO ORCHESTRA

Henry VIII. Dances (German).

5.30 p.m.—PREDA; NORTHCLUTE;

Will sing two little songs.

5.30 p.m.—MISS U. FLOß GREIG, D.A., L.L.B. will speak on:

"A Visit to a Rubber Plantation."

5.35 p.m.—News Service; Weather Synopsis. Shiplake Movements.

5.47 p.m.—Stock Exchange Information.

5.52 p.m.—Fish Market Reports by J. F. Barrett, Ltd.: Rabbit Prices.

5.55 p.m.—Flower Reports.

5.55 p.m.—Market Reports by the Victorian Producers' Co-operative Co., Ltd.; Fruits, Dairy Produce, Potatoes and Onions, Newmarket Sheep Sales; Poultry, Ginn, Hay and Straw.

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

NIGHT SESSION.

7.15 p.m.—MR. H. E. F. LAMPE; Diamond, "The Callumbar."

7.20 p.m.—MR. J. HOWLETT ROSS, will speak on:

"The Australians at Love Plus," with recital of "Dear of Mine."

7.45 p.m.—MRS. HARRIET BENTON, new narrator as "Rose Misch" at His Majesty's Theatre, will speak to you from her dressing room, by permission of J. C. Williamson, Ltd.

8.20 p.m.—MR. ROD McMORRAN, Football.

"Our Intimate Village."

8.30 p.m.—JOE AYRTON AND HIS SYMPHONIC SYMPHONIST:

"Tell Me" (Hirsch).

9.15 p.m.—MRS. HARRIET BENTON, new narrator as "Rose Misch" at His Majesty's Theatre, will speak to you from her dressing room, by permission of J. C. Williamson, Ltd.

9.20 p.m.—JOE AYRTON AND HIS SYMPHONIC SYMPHONIST:

"I'm Just Another Dreamer" (Hirsch).
AT LAST
Batteryless Radio

In making the above Statement we mean—

NO BATTERIES
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TRICKLE CHARGERS
ELIMINATORS

PRICE £27/10/-

The Resco Radio

We have made great claims for our wonderful set, and we are pleased to say that all our claims have been substantiated.

Hundreds of satisfied users have written telling us of the wonderful results achieved by the Resco Radio.

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EASY TERMS.

A Small Deposit permits you to take one home.

Radio & Electrical Supply Co.
40 PITT STREET (Near Quay) SYDNEY
Telephone B 1817

10.4 p.m.—"Argus" News Service: Meteoro-
logical Information, British Official Wire-
less News from Rugby; Sporting Notes by
"Olympus." Announcements.
10.22 p.m.—JOE ARONSON AND HIS SYN-
 COPATING SYMPHONISTS:
"I've Been Wanting My Dreams Over You"
(Oh! Noggin).
"Take in the Sun, Hang Out the Moon"
(Voices).
" Ain't She Sweet" (V-Jam).
10.32 p.m.—MR. W. JACOBSON;
Country Golf, Week. "Comments on the
Day's Play."
10.52 p.m.—MILDEE AND CONNIE;
Song with Violin and Piano, "Fiddle's
Rose."
11.0 p.m.—OUR GREAT THOUGHT:
"If many wounds you with injuries, meet
them with patience; last words muddle
the wound, soft language dressing it; forgive-
ness cures it, and oblivion takes away the
scar. It is more noble by silence to avoid
an injury than by argument to overcome it."
—J. Beaumont.
11.1 p.m.—JOE ARONSON AND HIS SYN-
 COPATING SYMPHONISTS.
11.45 p.m.—GOD SAVE THE KING.

40G, BRISBANE

Thursday.

MIDDAW SESSION.
1 p.m.—Market reports, weather informa-
"The Daily Mail" and "The Daily Standard"
FROM THE CONSTITUTIONAL CLUB—
1.30 p.m.—Lunch hour address.
FROM THE OBSERVATORY—
1.51 p.m.—Standard time signal.
1 p.m.—Close down.

AFTERNOON SESSION.
1.30 p.m.—A programme of music by the
Studio Orchestra, Including—"March, "Men
of Harveys" (Grev); novelty, "I'm a
Star" (Irv); characteristic, "Old Bob"
(Greenwell); valse, "Dear Heart" (Ben-
et); melodie, "Rose A" (Trickhaus);
valse de ballet, "Petite Rapide Rosso"
(Otto); serenade, "Bonny" (Humph)
(Remers); Turkish march, "On the
Rhapsody" (Lincel).

THE ROYAL NATIONAL SHOW.
During the afternoon a description of the
two falling competition, will be released from
number two ring at the Royal National Show.
The exact time of the play will be
announced when the transmission commences
at half-past three.
3.15 p.m.—"Telegraph" news.
4.30 p.m.—Close down.

EARLY EVENING SESSION.
6 p.m.—"Daily Standard" news; announce-
ments.
6.15 p.m.—A new talk by "Iseema."
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.
7.45 p.m.—Lecture on: "Features of the
Queensland Royal National Show."

NIGHT SESSION.
THE FEDERAL BAND.
The first portion of to-night's programme
will be provided by the Federal Band con-
ductor, Mr. W. H. Davis.
8 p.m.—March, "American Belle" (Hill);
"March, "Last Year's Grass" (Bennett);
inter-
mezo, "Alas Those Chimes" (Wallace);
step by, solo, "The Winning Ticket" (Clough).
March, "Last Year's Grass" (Tiller);
hymn, "Rock of Ages" (Hume).

THE ROYAL NATIONAL SHOW.
A description of the night show, and the
fireworks display will be relayed from the
Exhibition Grounds.
Edward Arnold Ltd.
Oxford & Crown Streets
FOR QUALITY AND SERVICE

RADIO DEPARTMENT
Wireless Sets Complete
SAME PRICES FOR CASH OR TERMS

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Try One of Our Special Transmitters. Price... £4/7/6

Fit a Pilot Light to Your Set, 1/6 Complete.

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Kindly send for price list.

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45 volts, Price 35/- ea.

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QUERIES

Will readers kindly note that all technical queries are answered through the columns of Wireless Weekly, and there is no occasion to send either stamped envelopes or postcard slips. The only condition is that the number of questions be limited to four, and we unfortunately cannot deal with technical queries by telephone or by personal callers.

J.R. (CITY.)—Cannot understand your trouble. We have the specifications of this receiver and others do not seem to be bothered with the same.

T.P. (BIRMINGHAM.)—Write Metropolitan Electric Co., King Street, Birmingham.

S.H.W. (WYNARD.)—Purchase A.W.A. 1927 Radio Guides, price 1s. 6d.

C.T.B. (GIRWINDELL.)—We are sorry we cannot at present do any very expensive work on your difficulty, as the present equipment is only for general home-lighting system. If you look out for future equipment, we will be able to offer you the most suitable equipment.

M.A. (GLOUCESTER.)—We have not received your order.

G.T.W. (PADDINGTON.)—Your circuit is not suitable. The circuit should come in, but not on load as 3 or 4 valves.

A.K. (DORAL.)—Try reversing the direction of flow of current, and reverse the poles of the transformer winding. This may clear up your trouble.

T.M. (N.B.C.)—Your guide is in no way suitable for the application.

C.H. (AURUM.)—We do not wish to disturb your present circuit.

A.V. (ST. KILDA.)—We have not received your order but will be able to send it as soon as possible.

C.H. (NEWCASTLE.)—We have not received your order but will be able to send it as soon as possible.

J.R. (CITY.)—Cannot understand your trouble. We have the specifications of this receiver and others do not seem to be bothered with the same.

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

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A.V.D. (VINDEX).—Test your A.F. Trans- forming, and also check the circuit. Cut out the X.T. plate voltage to neutralize.

The battery is not included in this is yours by chance or by coincidence.

G.U.T. (Gottseem).—The pipe aerial lead is quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. I saw that it was quite O.K. 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