

WIRELESS WEEKLY

Broadcast Programmes a Week in advance

VOLUME 10

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

NUMBER 14



Friday, July 29, 1927.

Price Threepence



ILLUMINATED DIAL, No. 1276 12/-



SUB-PANEL SOCKET, No. 205 1/3



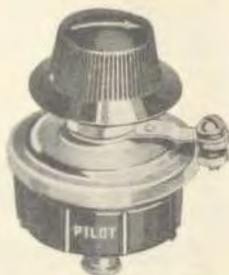
NEW TYPE KILOGRAD DIAL, No. 1278. 7/6

NEW
PILOT
PARTS

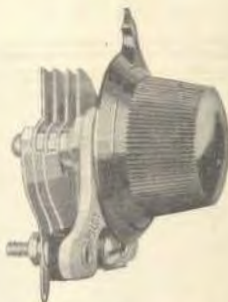


RHEOSTAT

- | | |
|------------|-----|
| 906—6-ohm | 3/9 |
| 910—10-ohm | |
| 920—20-ohm | |
| 930—30-ohm | |

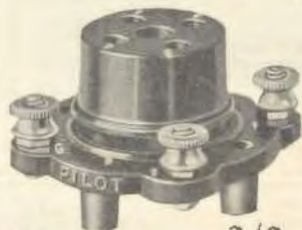


RESISTOGRAD 8/6



MIDGET CONDENSERS

- | | |
|--------------|-----|
| M7—7-plate | 5/6 |
| M13—13-plate | 6/6 |



FLOATING SOCKET 3/3



BAKELITE SHIELDED TRANSFORMER 15/9

UNITED DISTRIBUTORS
LIMITED

72 CLARENCE STREET
SYDNEY

clearer and better!



Every
Genuine Radiotron
Bears this Seal



UX 201-A

For a storage battery set, don't accept anything but a genuine Radiotron UX 201a. It is finer in performance and clearer in tone.

With four times less drain on your "A" Batteries than the storage battery valve of five years ago, the filament of a Radiotron UX 201a throws across the plate five times as many electrons—a steady stream of tiny electrical charges that carry the song and speech.

This is a big increase in efficiency!

The Radiotron UX 201a does not burn out—unless you apply a huge excessive voltage. It does not die gradually, but keeps its efficiency almost to the very end of its life.

At all Radio Dealers

or at

47 York Street
Sydney
King and King Chambers
Queen Street, Brisbane

Amalgamated  Wireless
Australasia Ltd.

167/9 Queen Street
Melbourne
Bower's Building
Charles Street, Adelaide

Characteristics:

Fil. Volts • • 5.0
Fil. amps • • .25
Plate Volts
(maximum) - 135
Plate volts for average
use • • 90
Voltage Amplification
factor • • 8
Large Standard UX
Radiotron Base

PRICE 11/.

Radiotrons

Profits Sacrificed!

After-stocktaking bargains in sets and parts at Harringtons

Harringtons After-Stocktaking Bargains reveal astonishing Radio Values. You cannot afford to neglect this great opportunity to purchase your Radio wants. Be sure to call early!

2, 3 & 5 Valve Sets

(All New)

from £2/10/-

Five Valve Set (set only)	£5	Gillilan Neutrodyns, Model GN6, 5 Valves (set only) ...	£30
Four Valve Set, regenerative Vernier Dials (set only)	£6	Bakelite Standard Valve Holders	6d.
Three Valve Sets (set only)	£6	Radio Cabinet Tables, from	30/-
Two Valve Set (set only) ...	£2/10/-	Radio Set Cabinets, from	5/-
		Mars Aerial Wire, Per 100ft.	10/6

Harringtons LTD

Goodwill Built on Public Confidence, Since 1885.

386 George St., Sydney.

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



Straight Line Broadcasting (S. L. B.) Condensers

With gold and black, or silver and black Dial and smooth vernier scales the "Pearl" S.L.B. 60056 m.f.d. condenser provides unusual beauty with unequalled selectivity. Now reduced to:

17/6

WIRELESS WEEKLY

VOL. 16, No. 14.

FRIDAY, 25th JULY, 1927.

Home Made Sets—are they Decreasing?

IT would be interesting if we could find out the number of receivers in use that are home made. By home made one means, of course, the assembling together of component parts of the set obtained from radio traders.

We are apt to class all sets not made completely in the factory as home made. Actually there are very few sets that can properly be called home made. Home assembled is a better description. There may be, and probably are, still a few crystal sets that are made up by the enthusiastic and energetic owners from details supplied by the various wireless traders. The preparation of the former, winding of the coil or coils and making of the connections and even the cat whisker—all the work of making a crystal receiver, except the actual crystal itself—that constitutes a home-made set really. In some cases, indeed, the actual piece of crystal is obtained other than from a wireless shop.

In the construction of "home-made" valve sets one comes across energetic workers, who make up the inductances, resistances and the condensers—all, in fact, but the valves. Thus we can say that there are some sets that cannot unreasonably be called home-made sets. But the number of home-assembled sets is probably greater. So many traders are selling component parts with very complete instructions for assembly. And there are many "kits" that are really complete sets disassembled or disconnected and all ready for assembling. The purchasers of these kits must constitute a large proportion of the listeners. Not only in the metropolitan districts but in the country centres are these sets found. Undoubtedly, the greater number is in the suburban areas. Crystal sets and what might be termed low-powered valve sets are plentiful in those parts. The owners of the sets are near to the traders, and any difficulties met with in finally assembling

the set or in testing it can be remedied, as advice is thus easily obtained.

We must admire the amateur set builder in the back country who constructs his set. He has few of the advantages and facilities of his city friends, and his difficulties after he has once started to tune in are greater. The important factor of selectivity does not play such a part in a country operated set. One can easily operate a 4-valve set for inter-state reception in the country with comfortable selectivity; whereas the same set operated within, say, twenty miles of a station like 3LO, Melbourne, would prove very unsatisfactory from the selectivity point of view.

The more one ponders the subject, the more evident it becomes that we are a long way from the phonograph state. That is, from the stage when all the sets in use will be factory made. And it is probably just as well. There is a charm in the assembling of your own set—or the tinkering with its assembly. Provided that that is done with knowledge there is no great risk.

The radio traders will continue to offer various types of components. The concentration on design in all countries will result in improvements and changes that will surely be tried out. And it will be good for the development of the industry.

The wireless papers show no abatement of the quantity of instructions for the assembly of sets, and the tests of new components. The instructions are generally very complete and the data, including diagrams, are of sufficient clearness and detail for anyone of average ability to follow. So long as the use of interfering circuits is not encouraged this procedure cannot be condemned.

Thus we see there is not much likelihood of the home assembled set disappearing, or being reduced in any quantity.

Catching Up with the Wireless World.

By R. E. CORDER.



DO FOREIGN LANGUAGES from broadcasting stations attract much attention? 2FC tried to solve the problem by engaging Maurice Byrne to send a passage of dictation in French over the wire and asking those interested to send it back to him by post.

THE FEW DAYS that followed soon settled the question. Scores and scores of letters arrived from all parts of Australia, and most of the transcripts bore evidence of being written by the younger generation. So on the face of it it looks as though the number interested in foreign languages is far more than at first supposed.

MELBOURNE has a mystery station on a 33.4-metre wave length? Whilst the Duke of York was in Canberra an overseas newspaper received information from an unknown origin telling that a special station in Melbourne would transmit the Duke's speech on a wave length of 33.4-metres.

DESPITE THE FACT that the B.B.C. had not carried out experiments in short wave reception from Australia, it was fixed that a certain station was to keep watch during the early morning, while another station was to keep in readiness to broadcast anything that could be "Put over." However, no signal was picked up on 33.4-metres, although there was no doubting the skill of the station to pick up anything if it was there to be had, for earlier in the evening a well-known amateur on 32-metres was located.

A WELL-KNOWN EXPERIMENTER in N.Z., who was in almost constant communication with the B.B.C. engineers, stated that not a scrap of short wave broadcast had been picked up at all, and to his knowledge the Melbourne station did not have a short wave transmitter. We wonder who this 33.4-metre station is?

THE HEARTLESS MICROPHONE? Not at all. 5CL proved the other day that it was the most human of all things when it recorded faithfully the heartbeats of a number of radio enthusiasts who called at the studio.

THE BROADCAST was made possible by the building of special apparatus by 5CL engineers. This was an electric magnetic microphone connected up with a number of stages of distortionless amplification.

A SHORT LECTURE which preceded the demonstration, clearly showed to those who listened the different emotions on the heart pulses.

A TOUCHING INCIDENT is recorded in the "Molong Express," which tells of a girl resident in that town who, through illness, is permanently confined to her bed. She has been presented with a radio set and loud speaker, which now stands at her bedside. The "Express" records the invalid saying: "It is beyond my power to find words to express my thanks for this beautiful gift. The wireless set makes a tremendous difference to the otherwise long and tedious days."

LIFE'S 3LO.

(By C.E.)

I heard it said the air was full
Of flying songs and words
I disbelieved the story for
Apart from clouds and birds
And butterflies and such like things,
It always seemed the air
Like Mother Hubbard's cupboard was
Quite obviously bare.
But, curious, I made a set
And tuned to 3LO;
The aërs proved correct, and I
Rejoiced that it was so.
The air that I had thought so bare
Was thronged with song and speech
And everything that one could wish
To entertain and teach.
And so was life; for it had seemed
At times so empty, drear;
With work to do, and kicks to take
And nothing much to cheer;
But, came along a sunny smile
And somehow—I don't know—
I knew at once that, like the air,
Life had its 3LO.

3LO'S NEWS SERVICE: As was remarked in these notes on the occasion of the spectacular fire opposite the Town Hall, which was so ably described by an eye-witness from 3LO Melbourne's old Studio windows, the time is ripening for a special News Service to be conducted by the broadcasting stations themselves.

OF COURSE, THIS is already being done in a modified form at present, when from every football field and racecourse and stadium, vivid descriptions are given of events in progress, so that farther extensions are only a question of time and experience. Only recently an expert operator from 3LO Melbourne went to Ballarat with a portable amplifier and outfit that he carried on a couple of straps over his shoulders and this was quite sufficient for the purpose. In fact, wherever there is an efficient telephone service available the 3LO Melbourne staff needs only a racy raconteur, who can tell what he sees at a moment's notice and its service of news will be complete.

AS WAS POINTED out previously, this service is not in any way likely to oust the present printed report or reporter, but rather to act as forerunner and supplement. In fact, the Prologue to "I Pagliacci" just about sums up (with the possible exception of "the motley") what a broadcast news reporter is likely to present to the public.

THE EDITOR OF THE Singleton "Argus" writes to the Young "Chromicle" wishing the latter paper success in its appeal for funds to equip the two public hospitals at Young with radio receiving apparatus. The "Argus" was the first country newspaper in New South Wales to conduct an appeal of this kind, and setting out with the objective of £200, the "Argus" actually was instrumental in raising £511, which carries the Government subsidy of £ for £. As only £200 was required to equip the hospital, the balance of £300 was devoted to the general purposes of the Singleton Hospital Committee. Dangar Cottage Hospital, Singleton, is now provided with a multi-valve receiver, and 24 bedside headphones.

Leading Broadcasting Stations use Burgess Batteries.

To Improve Broadcast Dance Music

Have you heard Cyril Kaye's Wentworth Orchestra from 2FC yet? Tune in this week. Mr. Kaye is out to improve dance music in Sydney, introducing the Latest Tunes from London. An interview appears below.

FALLEN ambitions choke the torrent of failure between the stepping stones to fame, and in the eddy pools beside the way the froth and bubble of departed dreams circle round and round. Sometimes the froth is white and sometimes brown and yellow, or silk as in the case of Cyril Kaye.

When quite a youngster, Cyril Kaye tried hard to convince both his parents and himself that he was destined to become one of the greatest and wealthiest silk merchants that the world would see.

He had a faint notion that his warehouses, and shops would be common talk all over the globe.

But his bubbles of ambition fell from him when his musical talents were recognised, and to-day, as supervisor of the Wentworth Hotel Orchestra, he stands in the front rank and has achieved considerable fame as conductor of dance orchestras.

The name of Cyril Kaye in Australia to-day is very familiar to musical lovers and dancers, his many latest English and Continental novelties being favorite selections to patrons of the Wentworth Hotel.

Cyril Kaye's musical talent developed at a very early age. When fully six he studied music per medium of a private tutor. His teacher, after a short time, soon realised that his pupil would soon go to unlimited heights, and in a short time Mr. Kaye had gone far beyond his power of instruction.

While attending a day college in England Mr. Kaye became attached to a band known as the tiny dancers, and it was while with them he received much valuable experience which helped him on the road to fame.

After graduating from Trinity College, Oxford, Mr. Kaye was inclined to regard his musical studies as a hobby, but later possibilities of reaching the summit in the world of music came to him.

The result was that after years of hard work and study he began to cross the stepping stones to success, and the substantial silk business which his parents furnished him with was relinquished. He found that the call of music was irresistible and abandoned the career that his people had fondled and planned for him since his birth.

Though trained and educated for classical music, Mr. Kaye found that dance music had a far greater hold over him. So the classical was laid aside and jazz took its place.

Besides being a conductor of considerable note, Mr. Kaye is known to be an expert on both piano and the liting saxophone. On the latter many is the time that by special request he is asked to play. He also has the uncanny knack of producing the very best out of those whom he leads, and something worth boasting about is that he is an expert orchestral arranger—something very few musicians possess.

Apart from entertaining dance lovers in England, Mr. Kaye has achieved considerable fame in all leading Continental cities.

A few cities on the Continent where he has scored big successes are:—Paris, Hamburg, Amsterdam, Leipzig, and Berlin. Whilst in Berlin Mr. Kaye scored a big success at the well-known Winter Gardens with his dance band.

Invited to bring along a full orchestra, Mr. Kaye refused, knowing that exceptionally good talent were to be found there. Needless to say, whilst there everything went off without a single hitch.

Following that he supervised dance orchestras, such as the "Criterion Restaurant," Piccadilly, Piccadilly Hotel, "The Princess Restaurant," and the world-famed Ivor Novello's Theatrical Club, and countless other orchestras. For some time following that he acted in the capacity of deputy conductor for Herman Darewski with his band, and to him he owes the thanks for the opportunity of coming to Australia.

Mr. Kaye stated that while in Australia, with the help of the music publishers, whom he said he has their

word that they will give him every possible assistance, he will endeavor to bring Australia to the forefront in the world of music.

Mrs. MacLurean, owner of the Wentworth Hotel, consented to help Mr. Kaye in every sense of the word so as to try and bring the musical talent of Australia to the fore with the very best that money can buy.

Mr. Kaye has given many performances in the cause of charity, and has also done a good deal of broadcasting in most of the big cities. It should not be long before Australian listeners will have the opportunity of hearing his wonderful and entrancing orchestra. They will then realise how it is that Mr. Kaye has won extreme popularity wherever he has appeared.

If you haven't listened to Mr. Kaye's band from 2FC you sure have missed plenty, and if you have heard him then, your musical education has been excellently advanced along the right lines.



Cyril Kaye, supervisor of the Wentworth Hotel Orchestra, who delivers a talk from 2FC, shortly.

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.



LESS RELIGION.

Dear Sir,—For some two years I have held my peace. I have realised that not everybody shares my views, and that when I criticise I should bear this in mind.

That was what I thought until a little time ago. I believed that there was a great body of listeners in both outback and in the cities who wanted broadcast church services, and although I myself believed this feature was overdue I said nothing.

But in my travels I realised slowly that there was no great body of listeners who appreciated religion by radio; that city folk preferred to spend their Sundays out of doors and that they wanted cheerful joyous music instead of monotonous monologues and dreary organ recitals, or wailing choirs. Country folk, I found, wanted a rest—a day off from duties around the station or farm, and also wanted lighter fare.

The religious programme at the broadcasting stations is tremendously overdue. In the other fields of broadcasting experience shows that talks must be short and snappy, and that music must be bright and changeable. These lessons have been carried into effect in every programme except the church services, to which it applies just as much as to any other. Instead of broadcasting direct from the pulpit, why not have a radio minister who could deliver a short talk or sermon, and there let it end?

Are the broadcasting managers afraid of offending an imaginary public? Have they been bluffed into making the Sunday programme boring in the extreme by the fear of the howl that would be set up by the clerical profession if any change were to be made? Do they fail to realise that nothing is doing more to make church unpopular than broadcast services?

After all the duty of the broadcasting stations is to the public who pay the fees and not to the persons who get the publicity.

And although the public has been silent on this subject for the same reason that I have held my peace, let us hear something now that I have broken the ice.

Yours, etc., JACK BLAIR.

Drummoyle.

NO COMPLAINTS.

Dear Sir,—I feel it my duty to express my feeling towards our broadcasting stations. As regards 2BL, I really don't know how this station could be criticised as regards their transmission. I can tune in to 2BL day or night, and find this station just the same from when I tuned in until I tuned off, no fading whatever. I have had all the relays PCJJ from 1 o'clock till 6 in the morning, and have written to Broadcasters and had what I received verified by a letter I still have.

With 2FC I find no fault. I have had some very fine programmes from that station and have heard them just as loud as 2BL and 3LO, or any of our A class stations. 3LO has no doubt a wonderful variety as regards programmes, but the transmission fades a little, as does 4QG, although I have no cause to complain about these stations. We do not pay them one penny of our license fees, so what right has one?

I also get 1YA very nicely, 2GB are O.K., while 7ZL are the same. I have heard some good programmes from 7ZL lately.

I may state that my receiver has been working for 4 years and I have not had one day's trouble with it. It was made by my brother and myself, and for clarity, and volume—well, it will be hard to beat.

My own opinion is that a lot blame these stations fading and not getting good reception, as they have a dry "B" Battery, and if they were to get a wet "B" Battery, I think that would overcome a lot of their trouble. There is one thing I would like to have rectified, and that is howling valves. I think some people when handling their receivers think they have hold of a mangle handle, instead of a condenser.

Yours, etc., P. J. SCULLY.

Maryville.

Under no circumstances can we consider personal callers whose mission is technical information. Queries of this nature are dealt with only through the columns of "Wireless Weekly." Send your letter addressed "Wireless Weekly," 31 Castlereagh-street, Sydney. Enclose no stamps, but confine the number of your queries to four.

CALLOUS?

Dear Sir,—As one reared on 3LO I have not yet become reconciled to 2FC's callous disregard of their advertised programme, nor yet to their irresponsible way of starting and finishing relayed tunes more or less in the middle. However, if ever they should need a testimonial I shall be pleased to state that I once had much pleasure in setting my clocks by their time signal tuned in on a crystal receiver at Launching Place not far from Melbourne.

Yours, etc.,
BOXER.

Balmain.

FROM THE SOUTH.

Dear Sir,—With reference to different letters in your magazine, dated 15th July, on "Day and Night Reception in the Country," I notice that all letters have come from the north and western districts, so I don't suppose one from the south will be out of place. We are just on halfway between Sydney and Melbourne, so one should be able to compare both very favorably.

Having had two years' experience with wireless, I can give you the following information using a 3-valve set (Detector and 2 Audios):

2FC.—Day reception poor—much better when on 1100 metres—night reception better, but a lot of fading.

2BL.—Day reception poor—night reception very little better, too much fading.

3LO.—Good daylight reception—night reception best of all stations, excellent—a little fading.

4QG.—No day reception—night reception very good with a little fading of late. It might be as well to note that 4QG up till last month had practically no fading.

3AR.—Good night reception.

5CL.—Good night reception.

Trusting that this will be a little information for your magazine.

Yours, etc.,
H. V. MUTCH.

June.

Burgess Went with U.S. Mail Flyers.

Melbourne University Symphony Orchestra at 3LO

Notes by our 3LO Correspondent

MELBOURNE is torn at present by rival factions quarrelling about the proposed fund for establishing a permanent orchestra. One faction wishes the University Symphony Orchestra to be the foundation of the endowed body; another favors the symphony orchestra carried on by the late Alberto Zelman and now conducted by Fritz Hart, of the Albert Street Conservatorium.

The whole idea is, of course, designed to give good orchestral music to the great mass of the people. If the latter have to wait till disharmonies are changed into harmonics, the first official programme will probably contain works of the masters of 1947.

It is fortunate, under the circumstances, that wireless has opened the way to giving the people fine orchestral concerts under circumstances that make for true harmony. Professor Heinze, of the University, has arranged with 3LO to give a series of such concerts, providing orchestra and singers. The first will be given on August 3rd. Unquestionably there are, among people who do not go habitually to concerts, a great number who will appreciate good music in their own homes. That this is so is proved by the fact that the music sold for gramophones and other mechanical music reproducers is to a great extent of very fine quality. Wireless has educated the public ear to this discrimination, and the work of 3LO has been consistently directed to giving, apart from what the public wants, a modicum of what it should want, in the hope that the unusual may appeal and create a demand for more. That this has been so is now certain, and the engagement of Professor Heinze is an indication of the agreement of the listening community with the policy of 3LO.

SHAKESPEARE ON THE AIR.

Shakespeare, of course, that giant intellect who seemed to anticipate most things, and even prefigured wireless in the picture of his Ariel, who could "put a girdle round the earth in 40 minutes," and only erred on the side of slowness in his guesses, would not be surprised at knowing that one of his most beautiful love-scenes was going to be shot at far greater than Ariel's speed round the world.

3LO has arranged with Stephanie Desie, that lithe temptress in "Rose Marie," who is an extraordinarily good reciter, to play the balcony scene in "Romeo and Juliet" with



The Melbourne University Symphony Orchestra, which has been engaged by 3LO for a series of Classical Recitals.

Howard Edie. It will be interesting to see how Shakespeare fares on the air. There will be no need of setting a stage for listeners, for the Balcony Scene carries its own implication, and the most sluggish imagination will be equal to visioning that gullant doubled figure looking up to the white-gowned Juliet on her balcony, while the Nurse waits within, ready to call a warning. I have always thought that Shakespeare is spoiled by the mock that scenery producers think it necessary to hamper him with, just as by the music that is so superfluous. Shakespeare is scenery, words and music in himself, and without the distraction that stage settings provide, the mind can concentrate far more easily and happily on the immortal words that make the drama. If this succeeds, as it should, there is no reason why Shakespearian scenes should not become a regular part of a programme on certain nights. They may give back to the people that appreciation of Shakespeare of which teachers and actors have robbed them.

SO SUCCESSFULLY WERE the excerpts from "Madame Pompadour" broadcast from 2FC that a relay by 3LO has been arranged for Monday, August 8.

A FASCINATING little competition has been arranged for the little ones by 3LO, and shortly will be heard over the air.

A short story will be read to the children, and this includes the names of ten popular songs. Blanks will be left in the narration where the kiddies will be expected to fill in the name of a song.

Thus the story might read: "One day 'Rose Marie' met 'Cecilia' who was 'Sitting on Top of the World,'" and so on.

This little tale has been written with great care, and the fact that the competition is for children has been borne in mind both with regard to the story and selection of songs.

3LO IS LEAVING NO STONE unturned in procuring absolutely the best of adventure tale tellers.

The latest to be engaged is the well-known exponent of wrestling, Al Karasick, who shortly will give a series of tales about the True Siberia—but he will also recount his own thrilling experiences in Siberia for the benefit of interested listeners.

The last to relate adventure tales was another well-known wrestler named Mike Yokel, who gave adventurous stories of life in the valley of the Yukon.

Ask for the New 83X Philco Battery.

It's All in the Air

Coming Features in the
Broadcasting Programs

NEGRO SPIRITUALS: In response to repeated requests, Madame Evelyn Grieg will repeat popular negro spirituals on 1st August, and will also add fresh spirituals to her programme.

SCL HAVE DECIDED that in future each Thursday is to be reserved for the broadcasting of special stunts. Arrangements are being made for the provision of special plays which introduce rather novel effects.

It is quite obvious that the engineering staff at SCL are working full time.

FRANK WEBSTER: The well-known English baritone who has done so much broadcasting with B.B.C. and is now appearing in "Madame Pompadour" with such success, is booked for a series of appearances at 2FC, commencing 14th August (Sunday), and continuing on 28th August, 11th and 25th September.

EDITH HARRY will broadcast from the **HOSPITAL SATURDAY CONCERT** to be broadcast by 2FC from King's Hall on Wednesday, 3rd August. The function will be presided over by the Governor, who will hand the secretary the cheque for total collections during the year. Assisting artists are: Daisy Richards, Ellis Price, Win and Windle, and Horace Keats at the piano.

ENBALDO RUSSO, the well-known Italian baritone, with Linda Bradford, mezzo, has returned from an extended tour of India and the East, and will appear in 2FC Studio on Saturday night, 30th July, in association with Miss Bradford, in an operatic "pot pourri."

THERE ARE few musical instruments which reproduce so faithfully through the sensitive microphones as the flute, and when the velvet notes from Mr. John Lemmon's instrument float over the air from 2FC they find many willing and appreciative listeners.

THIS EMINENT flautist is now preparing for the final tour of Dame Melba, and when concluded listeners should hear him more frequently than in the past.

THE NEW SOUTH WALES State Military Band, which performed so successfully whilst the Duke and Duchess of York were here, is to broadcast from 2FC. An excellent programme has been arranged and contains many popular marches and popular dance music.

ALEXANDER WATSON read the scripture from the Pitt Street Congregational Church on Sunday, 10th July, to the delight of listeners, seen and unseen. Branton Gibb will speak on this master of dramatic art from 2FC Studio on Saturday night, 30th July.

ONE WHO HAS PROVED her popularity in the past two and a half years is Miss Mabel Batchelor.

Miss Batchelor is very keenly interested in the revival of various songs, and the resetting of these beautiful melodies appeals to her very strongly.

It will not be long before this delightful song-bird will be heard again from Station 2FC.

MRS. W. A. HOLMAN, much travelled woman and well known journalist, commences a series of talks from 2FC, commencing on Monday, 1st August, and continuing for five consecutive weeks. Her lectures will include the following:

- 1st August: "Notabilities of the House of Commons."
- 8th August: "Beauty Spots of Great Britain."
- 15th August: "Beauty Spots and Historic Places of Great Britain."
- 22nd August: "Wanderings in France."
- 29th August: "Cairo and the Pyramids."
- 5th September: "Some Educational Comparisons."

Can You Pick the Players In The Trial of Robusto Tenore?

At 8.30 on the night of Wednesday, August 11th, from 2FC, fifteen voices will be heard in a "Mock Trial." The characters will be played by persons whose voices are frequently heard from Station 2FC.

- | | |
|---|-----------------|
| 1. The Judge | Played by |
| 2. Mr. Jarwell (Counsel for Defense) ... | " " |
| 3. Mr. Fox (Counsel for Prosecution) ... | " " |
| 4. Mr. Jarndine (Clerk of Court) | " " |
| 5. Robusto Tenore (The Premier) | " " |
| 6. Mrs. Martha Bellows (Prosecutrix) ... | " " |
| 7. Mr. Tommy Bellows (Husband) | " " |
| 8. Mr. Stacato (A Studio Announcer) ... | " " |
| 9. Professor Middlemore (Studio Pianist) .. | " " |
| 10. Mr. Diddy Sparkingator (Electrician) .. | " " |
| 11. Mick Sharp (Office Boy) | " " |
| 12. Miss Camerbert (Adventuress) | " " |
| 13. Foreman of the Jury | " " |
| 14. Dr. Armliss (Surgeon) | " " |
| 15. Sergeant of the Court | " " |

NOTE—Fill in this coupon with the names of the persons playing in the game. Cut out and post to the Manager, 2FC (Farmer and Company, Limited), Sydney. Competition closes Saturday, 27th August. Winner announced Monday, 5th September, at 9 p.m.

NAME

ADDRESS

PRIZES: 1st, £5; 2nd, 10/-; 3rd, 10/-; 4th, 10/-; 5th, 10/-; 6th, 10/-; 7th, 10/-; 8th, 10/-; 9th, 10/-; 10th, 10/-; 11th, 10/-; 12th, 10/-.

All Coupons will be examined and placed in order of merit. If more than one correct solution is received, the prizes will be drawn by lot. Should no coupon contain correct list of the characters, the other coupons will then be drawn on in order of merit until the twelve prizes are allotted.

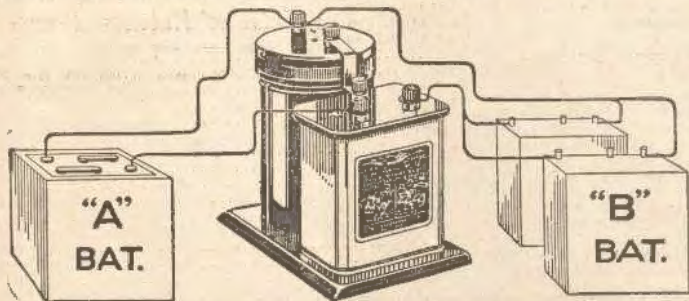
Canada chose Burgess for her outposts.

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.

The Charger of the Day

OBTAINABLE AT

Sydney Radio Co. Ltd.

60 CASTLEREAGH STREET — SYDNEY

Receive Interstate Stations

ON A LOOP AERIAL with the

8-VALVE SUPERHETERODYNE SET

Featured in this Issue of Wireless Weekly.

£21/5/4

—HERE ARE THE PARTS—

£21/5/4

	£	s.	d.
1 Genuine Radion Panel, highly polished and cut true, 20 x 7 x 3-16 in.	0	14	6
1 Bakelite Sub-panel, cut true, 19 x 9 x 3-16 in.	0	24	3
2 Genuine Radion Terminal Panel, 19 x 11 x 3-16 in.	0	2	6
2 Philmore Wire Wound 30 ohm, Rheostats	0	1	10
1 Philmore Wire Wound 400 ohm. Potentiometer	0	2	6
1 B.M.S. Double Circuit Jack, with fantail lugs	0	2	2
1 B.M.S. Single Circuit Filament Control Jack, with fantail lugs	0	2	6
1 B.M.S. Push-Pull Battery Switch	0	1	6
1 Pilot Midpot Condenser, 000645 M.P.	0	6	9
3 Dubilier Mansbridge 1 M.P.D. Bypass Condensers, at 6/-	0	18	0
1 Pair Volton Nickel-plated Sub-panel Brackets	0	3	6
8 Valve Sockets, with black base standard American, at 1/9	0	14	0
2 Sangamo (highest grade) .00025 Grid Condensers and Clips, at 3/0	0	7	0
2 Philmore 2 Megohm Gridleaks, at 1/-	0	2	0
2 Rauland Lyric Audio Transformers, at 45/-	0	10	0
10 Engraved Binding Post Terminals, at 4d.	0	1	4
2 Emeco Bakelite Slow-motion Vernier Dials, at 7/6	0	15	0
1 Sangamo (highest grade) Fixed Mica Condenser, .001	0	2	9
1 "All American" Superheterodyne Kit, comprising 3 I.F. Transformers, 1 10,000 metre T.R.F. Transformer, and 1 R.F. Coupler	0	5	0
1 Grodan (Tapped) Loop Aerial	1	12	6
1 25ft. Carton Celtsite Insulated Flex Wiring	0	4	9

FURTHER WONDERFUL VALUES

Metal Shell 201A Sockets	1/6
Lightning Arrestors	1/4
Puramax Giant Loudspeakers	
Price	£2/14/-
Trumonic Jr. Speakers	10/3
F.M.C. Transformers, with pig-tail connection	7/6
Aftercut T.R.F. Kits, including 3 L.L. Condensers	3/-
De Jure Buffalo 30 ohm. Rheos.	
Price	2/11
Vernier Adjusters	9d.
Loudspeaker Units	13/6
Precision Vernier Dials	4/6
Panel Mounting Switches, Double Pole, D.T.	16d.
R.C.A. Audio Transformers, 11/6	
Advance .00025 S.L.P. Condensers	9/6
Titan Bulb Type Battery Chargers	£5/10/-

COUNTRY CUSTOMERS!

Please note that all our goods carry a MONEY BACK Guarantee. If you are not satisfied return goods in good order within 7 days and we will Refund in full.

WE PAY CARRIAGE on orders of 10s. and over, except on Cabinets, Batteries, Loud Speakers and C. O. D. Parcels.



Quaker or Continental Lowloss Condensers

00035 8/6
0005 9/6

"YOURS FOR LOWER PRICES."

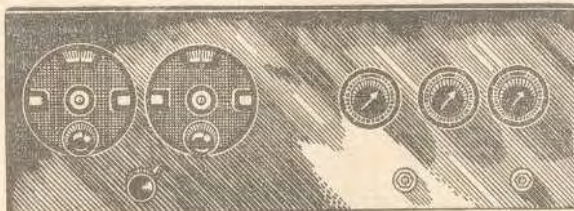
THE ECONOMIC RADIO STORES

PARRAMATTA:
Cor. Macquarie and Church Sts.
Phone: UW 9601.

25 NEW ROYAL ARCADE,
near Palace Theatre, Sydney.
Phone: M 3049.

NEWCASTLE:
509 Hunter St. West.
Phone: New. 1622.

How to Make an 8 VALVE SUPERHETERODYNE RECEIVER



By carefully following the instructions laid down in this article any home constructor possessed of sufficient patience can build this super-het—the world's best receiver.

SUPERHETERODYNE is a word which conveys something of the magical to many people. Often it is used by people who don't really know what it means. Most understand that it is some type of radio receiver which employs usually between seven and eight valves, which of course, is quite correct. Quite a number of listeners seem frightened when the seven or eight valves are mentioned, but there is a reason or, we should say, several reasons. There are those who claim that the Superheterodyne is "le dernier cri"—the last word—in radio receivers, and it is in many respects true, provided always that it has been built correctly. There lies the rub. We venture to say that there have been more headaches created by building a superheterodyne than by any other receiver. It is hoped that this article is clear enough to permit the average constructor to build his own superhet.—as it is more familiarly called—with a minimum of trouble.

Now what does a superhet. do? That it will receive radio signals, it is true, but also that those radio signals from great distances which, by many another set are not collected, will be brought right inside your own home by a superhet. The surprising factor is that from the point of view of volume all local and interstate stations are on a par. A simple loop or frame aerial replaces the outdoor aerial. This loop may be stood on the top of the cabinet, and is all that is required to collect the energy to actuate the receiver. The Superhet.

will, therefore, be extremely sensitive and, incidentally, selective—the two most important factors in any wireless receiver. Combined with this there is simplicity of control, and with a good audio portion purity should be present.

The loop aerial will receive as many stations on a Superhet. as can be received by, say, a good neutrodyne on

an outdoor aerial. In addition, it is more selective, the directional qualities of the frame aerial assisting greatly in this matter, and also reduces interference from static. When static is had the reception of inter-state stations is rendered difficult on the average receiver, but the Superhet., while still liable to static, is not nearly so upset because of the use of a loop receiver.

Round about 1923 to 1925 great research was executed on Superheterodyne receivers, and as a result to-day we have a simply controlled, extremely efficient receiver from the complicated systems of earlier years. Many well-known radio men condemned the Superhet., doubting its possibilities as a commercial product, but to-day, owing to vast development, the Superhet. has come into its own.

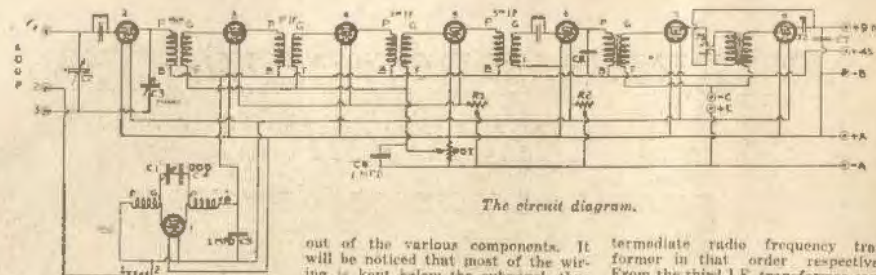
In this Superhet. there are eight valves, first detector, oscillator, coupler, three intermediate valves, second detector and two audio valves. Sounds quite impressive, doesn't it? But not so terrible after all. You know what a detector valve does, and also the functioning of an audio valve. The three intermediate valves are really radio frequency amplifiers. It is known that with some exceptions three stages of radio frequency is difficult to control, but with the Superheterodyne receiver such is not the case as will be seen later.

This brings us to the oscillator. This oscillator is adjusted by means of the oscillator condenser so that it generates a radio frequency current of

LIST OF PARTS.

- 1-Directo Front Panel 20 x 7 x 3-16.
- 1-Directo Subpanel 19 x 9 x 3-16.
- 1-Directo Terminal Panel 19 x 1 1/2 x 3-16.
- 2-Type L.0005 Bremer Pully Variable Condensers.
- 2-30 ohms Rheostat.
- 1-400 ohms Potentiometer.
- 1-D.C. Jack B.M.S.
- 1-S.C. Jack B.M.S.
- 1-Battery Switch.
- 1-.00045 Pilot Midget Condenser.
- 2-1 mid. Fixed Condensers.
- 2-Benjamin or Bolton Brackets.
- 8-All-American Valve Sockets.
- 2-.0025 Grid Condensers and Clips.
- 2-2 mid. Grid Leaks.
- 2-Rauland Lyric Transformers.
- 10-Terminals (3 for loop).
- 2-Emmc Dials.
- 1-.001 Fixed Condenser.
- 1-All-American Super Het. Kit comprising.
- 3-1.F. Transformers.
- 1-10,000 meter T.R.F. Transformer.
- 1-R.F. Coupler.
- Port wiring, screws, etc.
- 1-Tapped Loop.

Buy a Burgess and Cut Battery Cost.



The circuit diagram.

slightly different frequency to the received oscillations. These two currents interfere with each other and produce a heterodyne or beat note, of a frequency equal to the difference between the oscillator frequency and the incoming signal frequency. This beat note is inaudible. As the two radio frequency currents are added to each other, the beat current is much stronger than the incoming signal current. This beat current, by the way, actuates the first detector valve.

The three intermediate stages of radio frequency further amplify this beat note or intermediate frequency at a much longer wavelength and corresponding lower frequency than that of the broadcast wave band because at the broadcast wavelength the amplification per stage is not very great using the fixed or untuned type of transformer common in the Superhet. Thus we have a simple system of radio frequency amplification which gives great amplification per stage and only requires two condensers for tuning purposes. The foregoing is not a dissertation of the theory underlying Superheterodyne reception, being merely a few words explaining simply, if it helps, just what takes place "inside," and the reason for the number of valves used.

The front view of the receiver shows the two dials for tuning the variable condensers. On the left is the oscillator condenser dial, while its neighbor on the right is the loop condenser dial. Below and in between the two is a knob for a small midjet condenser, which provides a variable reaction from a portion of the loop. To the right are seen the two rheostats and the potentiometer, which is also known as a stabilizer. This is in the centre of the two rheostats. The jacks are easily picked out. Not shown, but actually incorporated in the receiver is a battery switch, the position of which is found by consulting the back of panel wiring diagram.

The back panel view and the plan view gives an indication of the lay-

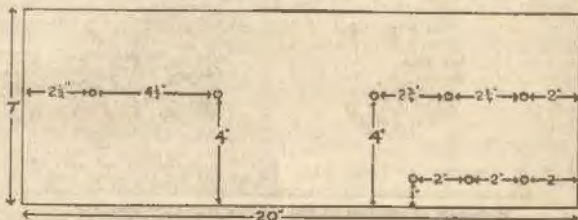
out of the various components. It will be noticed that most of the wiring is kept below the subpanel, thus leaving a very neat looking arrangement. This subpanel method of assembly and wiring will appeal to quite a number of constructors; but if the standard baseboard method of wiring is required, this may be resorted to. We will leave you to make whatever alterations you may need to convert from the subpanel method to the baseboard method. The wiring diagram will suit both types.

The whole scheme is compact; just sufficient space to accept all the parts comfortably without cramming. All the illustrations are drawn to scale, but to determine the correct positions and distances between parts an indication will be gathered from the panel dimensions. Take the positions of the variable condensers and the rheostats and potentiometer, and gauge from these the distances of the other subpanel components. Study the plan view carefully. Compare it with the back of panel wiring diagram and the circuit diagram. Notice the three loop terminals on the plan view. Immediately in front of these is the oscillator coil; recognised by the four terminals on the one side and the two on the opposite side. In front of this unit is the oscillator valve, to the left of which is the first detector valve. The first grid condenser and leak is situated between these two valves, which occupy the space behind the two variable condensers. Again, behind the first detector valve is the coupler, to the immediate left of which will be found the first, second and third in-

termediate radio frequency transformer in that order respectively. From the third I.F. transformer comes the second grid condenser and grid leak, which joins the grid terminal of the sixth valve socket governing the second detector valve. The three I.F. valve sockets are between the first and second detector valves, and are valves 3, 4 and 5 respectively, as shown on the back of panel, and also the circuit diagrams. The first audio transformer is that one nearest the loop variable condenser with valve 7, the first audio valve, immediately following it to the left. The second audio transformer is to the left of this valve, with the second audio or last valve immediately to the left of this again, and behind the second detector valve, but close to the panel.

The construction begins with the marking out and drilling the panel. Lay this on a flat surface and, using a centre punch, mark out from the panel drilling diagram. Only the centre holes for the two main tuning condensers are shown, the template, supplied with each condenser, giving the remaining dimensions. The parts should be mounted securely, and this portion layed aside while the subpanel is attended to.

Before proceeding with the subpanel layout, turn to the All-American valve sockets. Carefully remove the two F terminals of each valve socket and reverse them, that is to say, turn them upside down so that the connecting terminals come underneath the socket. Don't put back the terminal nut as these are not required now, the projecting screw having to go through

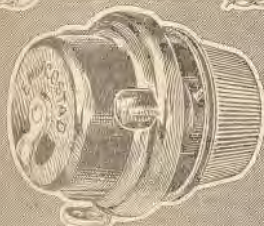


The panel drilling template.

3 AIDS TO PURE RECEPTION



EMMCO
HEADPHONES
21/-



EMMCOSTAD 7/6



MacLurcan Tone Purifier 21/-

Use These Three Parts For Perfect Reception

EMMCO HEADPHONES. Manufactured to the highest possible standard. A light spring head-band, with sliding adjustment on each earpiece. They handle extreme volume without blurring or rattling.

One year's guarantee with every pair.

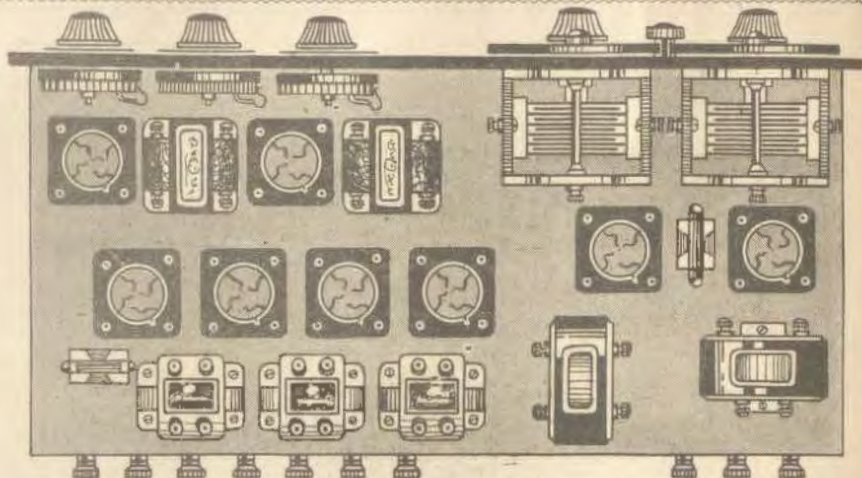
EMMCOSTAD gives perfect control of all valves, such as you cannot hope to obtain with ordinary rheostats. Ensures steady, non-fluctuating current to the filaments of valves. For use also in "B" Battery Eliminators and in resistance coupled amplifiers. A universal radio resistance, available in varying ranges from $\frac{1}{2}$ to 500,000 ohms.

MACLURCAN TONE PURIFIER smoothes out reception and cuts down static noises. Improves reproduction of otherwise poor receivers.

Made by
Electric Meter
Mfg. Co. Ltd.

EMMCO

AT ALL DEALERS



The baseboard layout of the component parts—follow carefully. This is important.

the subpanel to the underside. Only the F terminals of each valve socket should be treated this way, the G and P terminals remaining in proper position.

It is advisable when the terminals are out, to lay out all the apparatus on the top of the subpanel, all excepting the fixed condensers. Place everything in its correct position. Start off with the valve sockets. Then the two audio transformers, noting the position of the G terminal in relation to the G terminal of the succeeding valve. The oscillator and the coupler are placed at right angles to one another, the relative directions for wiring being seen on the wiring diagram.

The intermediate transformers should be so placed that the P terminal should be opposite or above the P terminal of the valve it governs, and the G terminal above the G of the next valve. The B positive and F terminals are at the back. Reconcile the panel wiring diagram with the other diagrams. When all have been allotted their respective positions, mark out with a centre punch the required fixing holes, and also provide for small holes to allow the wiring wire to come through to the bottom of the subpanel. All the grid and plate leads may remain on top, but all filament wiring is run underneath the subpanel. Even the leads from the rheostats and the potentiometer remain below, as do the connections from the variable condensers. Two small holes should be drilled at a convenient place underneath each condenser to allow these leads to pass through. Perhaps it would be wise to fit contact studs in these holes as

soldering points, and when wiring to these studs, and continue the rest of the wiring underneath.

However, it will not require much imagination to realise that some short brass or nickelled bolts and nuts are necessary to bolt the transformers, etc., to the subpanel. Do this making certain that all parts are securely held in position. Place this subpanel on the brackets and fit it in position against the front panel. Note that the room left for the variable condensers. The midge condenser fits below the subpanel and is, therefore, like both jacks and battery switch, concealed. If everything is in order there should be ample room for everything without any cramming.

Before commencing the wiring, prepare the terminal panel. This is mounted by means of two small brackets, and the panel may be seen in the back view of the receiver. On the extreme left is the B positive Amplifier, then B positive for the detector, intermediates and oscillator, then B negative next A positive, A negative, C positive, C negative, and at the right-hand end the three terminals for the loop connections. Mark out and drill the holes for these terminals, and mount the terminals on the strip.

The wiring may now be commenced. Here is where the wiring diagram becomes more valuable. Wire up the filament circuits first. This is done beneath the subpanel. Notice that the three intermediate valves are taken to one rheostat, all other valves being connected to the remaining rheostat.

The potentiometer is connected right across the A battery with the centre point or moving arm joined to the grid return of valves 3, 4 and 5 as shown. Then continued with grid and plate wiring. Where wires cross beneath the subpanel keep them apart, even although Fort wiring wire is insulated. When it is necessary to "duck" from the top of the subpanel through to the bottom, it will be wise to measure off just that length of wire which, when connected to the top component, just fits through the small hole drilled. The remaining connection is soldered to this projecting piece beneath the subpanel. By following out the layout suggested in this article a neatly wired job will result. The 1 mfd., in fact all by-pass condensers, may be added, or wired in last, even after the terminal board wiring has been completed. Take the wiring in easy stages, checking carefully as you proceed. There is no need to fully describe these wiring instructions, as the person who builds a Superhet, will be able to read, if not the circuit diagram, the back of panel wiring diagram.

When everything has been completed satisfactorily, get ready to test out. Insert the valves in their sockets. On actual test at Marriekville the following valves were used successfully:—1st valve, oscillator, A609; 2nd valve, detector, A609; 3rd, 4th and 5th valves, intermediates, A630; 6th valve, 2nd detector, A609; 7th valve, 1st audio, A609, and last valve, 2nd audio, A608. All these are of the 6-volt series and when used with a

Bright Star

A, B, & C Batteries



Have you built the Solodyne? If so, are you obtaining the maximum results from it? We doubt it. The battery problem and its solution is half the success of the Solodyne. **Bright Star** 30-60 Longlyfe type will supply an unfailing amount of power for at least twelve months, if not more.

Bright Star

SUPREME IN EVERY TEST

Bright Star A, 3/6

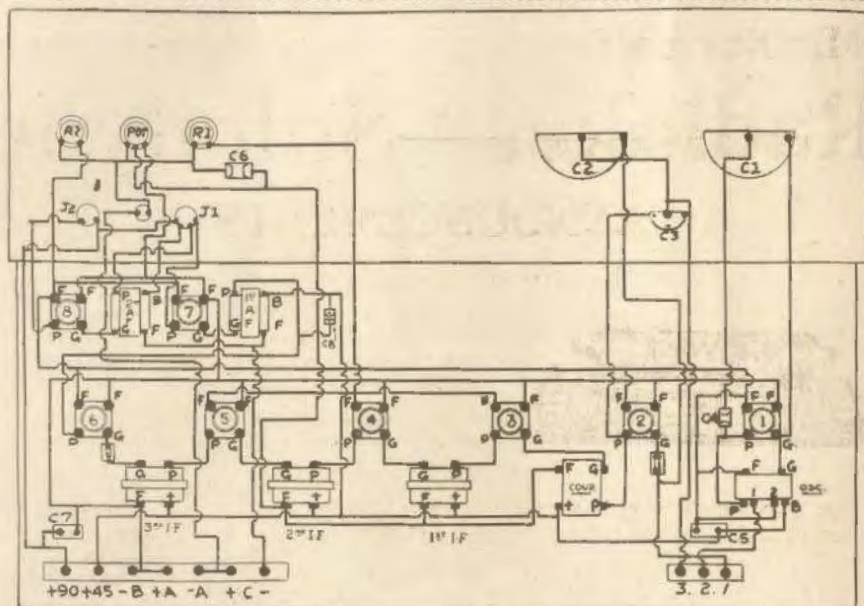
Bright Star 30-60, 33/-

Bright Star C, 3/6

Bright Star 45, 25/-

INTERNATIONAL RADIO CO. LTD.

200 Castlereagh Street, Sydney



How to wire the component parts.

Philips B Eliminator the plate draw was 30 milliamps.

On the 4-volt series of Philips valves the following valves were found to do justice to the good receiver:—1st, A409; 2nd, A409; 3rd, 4th and 5th, A425; 6th and 7th, A409, and 8th, B400 or B403. Later in the evening the A630 was taken from the 3rd intermediate stage and transferred to the 1st detector position, the A600 valve from which proved useful in the 3rd intermediate stage.

Again all B406 valves were used, but the plate draw or plate consumption was too great. They are not to be recommended accordingly for this receiver right throughout, only where specified. Other makes of valves may do, but the writer hasn't had any experience of them. But bear in mind that in a receiver of this type the valves must be matched. Your dealer will assist you in this.

However, using the correct valves, connect up the A and B batteries, say 90 volts for the B audio and 45 volts for the other stages, and the A battery according to the valves in use, link up the loop and the speaker. An Airzone loop was used to advantage, the tap for regeneration being.

The nidget condenser proved its value. This condenser controls the amount of regeneration. The Airzone loop is tapped at 1/3rd of its length, that is the 4th turn, and this nidget condenser brings the otherwise weak station into utmost prominence. The C battery was 44 volts.

Here is the actual readings of the Emmeo dials on the H.D. condensers for the different stations of Australia. New Zealand has been omitted, although all three stations were very much present, but as the ultimate new wavelengths of these stations are, up to the moment of writing, not definitely decided, they are being left out.

LOG OF STATIONS.

Station.	Oscillator Dial.	Loop Dial.
2BL	511/571	79
3LO	47/641	761
4QG	40/481	72
5CL	35/46	71
1YA	32	69
2FC	27/37	63
3AR	13	55
7ZL	101	40

It will be seen that the oscillator dial has two readings. This is quite correct. Prove for yourself. All Superhets., with one or two exceptions; have two readings on the oscillator dial. Find both and decide on which one suits best. Quite a number of whistles will be heard as each dial is turned, but forget these whistles for a start until the whole receiver is properly mastered. Remember that when receiving. Melbourne the loop should be pointed edgewise to Melbourne, or to the desired station. Try it and note how strong an otherwise weak station will become. The potentiometer is critical, in fact, so is the first rheostat, that one controlling the intermediate stages. Smooth, undistorted music will result, thanks, of course, to the Raoul Lyric Transformers. If trouble is met with, write in. We will assist you to our utmost, but still this Superhet lives up to its good name, and very little trouble should be found anywhere. Remember the whole secret of success of this or any Superhet, depends on its bypassing. Think it out for yourself.

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 and 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.

At all High-Class Radio Dealers.

METROPOLITAN ELECTRIC CO. LTD. :: 27-29 King St. Sydney

Build Your Own 8 Valve Superheterodyne Receiver

With the famous **Remler Super Kit**, and enjoy real Radio reception, using **Remler Kit**, the music or speech is filtered before being amplified, therefore ensuring true reproduction, **Wonderful Selectivity, Simple to Operate.** Local, Interstate and New Zealand stations on full loud speaker strength on Loop Aerial, and absolutely free from interference.

Price £7:10:0

With Blue Print
of Working Plan
and Circuit
Diagram.



Price £7:10:0

With Blue Print
of Working Plan
and Circuit
Diagram.

The **Remler Kit** consists of 1 oscillator, 3 intermediates, and 1 filter transformer. Price of complete parts, using the **Remler Kit**, with best quality selected and tested parts, only

£15/5/6

New Shipment T.C.C. Condensers, guaranteed accurate; all sizes, .0001 to 2 m.f.. Yaxley aerial and battery cord (7 wires), with plug and jack, 21 - . All Sizes, D.C.C. and enamel wire.

Your Unsatisfactory Set Rewired by Experts and Satisfaction Guaranteed.

WILES' WONDERFUL WIRELESS and ELECTRICAL STORES

BRANCH:
23 PITT ST.
Near Circular Quay.

PITT & GOULBURN STS.,
SYDNEY.

BRANCH:
384 PITT ST.
Opposite A. Hardens.

MAIL ORDER BRANCH, 60 GOULBURN STREET.

BROADCASTING PROGRAMMES

for the COMING WEEK



Friday, July 29 2FC, SYDNEY

Farmer's Broadcasting Service.
Wave Length, 442 Metres.

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
- 7.5 a.m.—Studio music.
- 7.15 a.m.—COUNTRY SESSION: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
- 7.25 a.m.—Investment market, mining share market, metal quotations.
- 7.35 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.
- 7.45 p.m.—"Sydney Morning Herald" summary.
- 8 a.m.—"Big Ben." Close down.
- MORNING SESSION.
- 10 a.m.—"Big Ben" and announcements.
- 10.15 a.m.—Studio music.
- 10.15 a.m.—"Sydney Morning Herald" news service.
- 10.30 a.m.—Studio music.
- 10.35 a.m.—A Reading.
- 10.45 a.m.—Studio music.
- 11 a.m.—"Big Ben."
- Marching music for school children.
- 11.5 a.m.—A.P.A. and Reuter's Cable Service.
- 11.50 a.m.—Studio music.
- 11.55 a.m.—A talk on Home Cooking and Recipes by Miss Ruth Furst.
- 11.59 a.m.—Close down.

MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
- 12.25 p.m.—Stock Exchange, first call.
- 12.3 p.m.—Official weather forecast, rainfall.
- 12.35 p.m.—Studio music.
- 12.10 p.m.—Summary of "Sydney Morning Herald" news service.
- Rugby wireless news.
- 12.25 p.m.—Studio music.
- 12.30 p.m.—Marching music for school children.
- 12.40 p.m.—MURIEL BOSSLEY, soprano: "The Wind in the South" (Scott).
- 12.45 p.m.—Studio music.
- 1 p.m.—"Big Ben." Weather Intelligence.
- 1.2 p.m.—"Evening News" midday news service.
- Producers' Distributing Society's Report.
- 1.30 p.m.—Studio music.
- 1.35 p.m.—Stock Exchange, second call.
- 1.30 p.m.—Marching Music for school children.
- 1.40 p.m.—MURIEL BOSSLEY, soprano: "ArCADY A Ever Young" (Monckton).
- 1.45 p.m.—Studio music.
- 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- 3 p.m.—"Big Ben" and announcements.
- 3.1 p.m.—"DISMAL DESMOND" describes when he was a "Rad Rod Hussar" (Weston and Leach).
- 3.7 p.m.—CLYDE THORPE, violinist: "On Wings of Song" (Mendelssohn-Achren).
- 3.11 p.m.—Studio music.
- 3.15 p.m.—A Reading.
- 3.20 p.m.—CLYDE THORPE, violinist: "Cassanovia" (Furtu "Concerto-Romantique") (Godard).

- 3.30 p.m.—Marching music for school children.
- 3.40 p.m.—ELLEN MOREAU, soprano: "Only the River Running By" (Huggins).
- 3.45 p.m.—"DISMAL DESMOND" discourses on "Love and Girls Generally."
- 3.50 p.m.—EILEEN JUDKINS, soprano.
- 3.55 p.m.—Studio music.
- 4 p.m.—FRANK BOTHAM, baritone: "The Charmed Cup" (Roedel).
- 1.5 p.m.—Studio music.
- 4.11 p.m.—CLYDE THORPE, violinist: (a) "Canto-Amparo" (Sammartini-Elman). (b) "Minuet" (Beethoven-Janssen).
- 4.20 p.m.—EILEEN MOREAU, soprano: "Big Lady Moon" (Taylar).
- 4.25 p.m.—Studio music.
- 4.35 p.m.—EILEEN JUDKINS, soprano.
- 4.40 p.m.—FRANK BOTHAM, baritone: "Song of the Rover" (Georgel).
- 4.45 p.m.—Stock Exchange, third call.
- 4.47 p.m.—Studio music.
- 5 p.m.—"Big Ben." Close down.
- EARLY EVENING SESSION.
- 5.45 p.m.—The Chimes of St. Paul.
- 5.50 p.m.—The "Hollo Man" talks to the children.
- 6.30 p.m.—Story time for the young folk.
- 6.40 p.m.—Dinner music.
- 7 p.m.—"Big Ben."
- Late sporting news by the 2FC Racing Commissioner.
- 7.10 p.m.—Dalgety's Market Reports (wool, wheat and stock).
- 7.18 p.m.—Fruit and vegetable markets.
- 7.20 p.m.—Shipping and weather intelligence.
- 7.25 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.45 p.m.—Programme announcements.
- 7.50 p.m.—Studio music.
- 8 p.m.—THE TIVOLI THEATRE ORCHESTRA, conducted by WILL QUINTRILL.
- 8.10 p.m.—ALFRED CUNNINGHAM, baritone: (a) "Summer Woods" (Lally). (b) "Rage, Thou Angry Storm" (Hendel).
- 8.11 p.m.—BOOK COMPETITION, No. 12.
- 8.24 p.m.—AD CREE, Scotch comedian: "Nae Friend Like an Auld Friend" (Pethair).
- 8.29 p.m.—GLADSTONE BELL, cello solo.

- 5.30 p.m.—"MIKE."
- 5.38 p.m.—EWART CHAPPLE, pianoforte solo.
- 5.42 p.m.—SCOTT ALEXANDER, in a Comedy Sketch, specially prepared for broadcasting.
- 5.48 p.m.—LANCE KENNEDY, flute solo.
- 5.51 p.m.—ALFRED CUNNINGHAM, baritone: (a) "Child, what stirs the morning?" (Mulliner). (b) "Elorado" (Mulliner).
- 6 p.m.—"Big Ben."
- An Act from the TIVOLI THEATRE.
- 9.15 p.m.—GLADSTONE BELL, cello solos.
- 9.20 p.m.—EILEEN BOYD, contralto: (a) "Child, what stirs the morning?" (Mulliner). (b) "You lovely thing" (Lindner).
- 9.30 p.m.—LANCE KENNEDY, flute solo.
- 9.38 p.m.—AD CREE, Scotch comedian: "It has a face" (Arthurs).
- 9.42 p.m.—GLADSTONE BELL, cello.
- 9.48 p.m.—ALFRED CUNNINGHAM, baritone: Two songs of Bobo. (a) "Farewell Market." (b) "The King" (Drammond).
- 9.55 p.m.—SCOTT ALEXANDER, flute Solo.
- 10 p.m.—EILEEN BOYD, contralto: "Annie Laurie" (Lehmann) (request).
- 10.10 p.m.—LANCE KENNEDY, Flauto.
- 10.18 p.m.—AD CREE, Scotch Comedian: "At the Clarinet" (Wichlan).
- 10.25 p.m.—EILEEN BOYD, contralto: "Hayon" (EBHU).
- 10.30 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA—conducted by Cyril Vane.
- 10.57 p.m.—Late news and announcements.
- 11 p.m.—"Big Ben."
- 11.10 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA.
- 11.30 p.m.—National Anthem. Close down.

2BL, SYDNEY.

Broadcaster's Ltd.
Wave Length, 373 Metres.

Friday.

EARLY MORNING SESSION.

- 7 a.m.—G.P.O. clock and chimes.
- Metropolitan weather forecast.
- 7.2 a.m.—State weather report.
- 7.4 a.m.—News service.
- 7.15 a.m.—G.P.O. clock and chimes.
- Fruit market report.
- 7.18 a.m.—Vegetable market report.
- 7.20 a.m.—Australian Mercantile, Land and Finance Co.'s report.
- 7.21 a.m.—Dairy farm produce market report.
- 7.24 a.m.—Poultry market report.
- 7.30 a.m.—G.P.O. clock and chimes.
- Musical programme from the Studio.
- 7.36 a.m.—News service.
- 7.41 a.m.—Boats in call by wireless.
- 7.43 a.m.—Mail information, shipping arrivals and departures, and port directory.
- 7.45 a.m.—4 P.M. clock and chimes.
- News service.
- 8 a.m.—G.P.O. clock and chimes.
- Close down.

MORNING SESSION.

- 10.30 a.m.—G.P.O. clock and chimes.
- Musical programme from the Studio.
- 10.45 a.m.—News service.

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

2FC.—Farmer's Broadcasting Station. 144, Sydney, wavelength 442 metres, power 5000 watts.

2BL.—Broadcasters' Ltd., Sydney, wavelength 373 metres, power 5000 watts.

2GB.—Theosophical Broadcasting Station, 144, Sydney, wavelength 316 metres, power 3000 watts.

2KY.—Trades and Labor Council, Sydney, wavelength 280 metres, power 500 watts.

2LW.—Otis Sandell, Sydney, wavelength 267 metres, power 500 watts.

2MK.—Mecker Bros., Bathurst, wavelength 215 metres, power 300 watts.

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

2BE.—Burgin Electric Co., Sydney, wavelength 216 metres, 100 watts.

2BD.—H. A. Douglas, Newcastle, wavelength, 258 metres, 100 watts.

There are no rivals to the Philco.

10.58 a.m.—Musical programme from the Studio.
 11 a.m.—G.P.O. clock and chimes.
 11.05 a.m.—Announcements.
 11.5 a.m.—Musical programme from the Studio.
 11.31 a.m.—Talk on "Crops" by Miss Gwen Varley, Broadcaster's women's sports secretary.
 Social notes. Replies to correspondents by Mrs. Jordan.
 Talk on "Feeding the Family" by Mrs. Jordan.
 12 noon.—G.P.O. clock and chimes.
 Special ocean forecast and weather report.
 12.3 n.m.—Musical programme from the Studio.
 12.15 p.m.—Information. Mails, shipping, and port directory.
 12.18 p.m.—Hints in call by wireless.
 12.29 p.m.—Fruit market report.
 12.32 p.m.—Vegetable market report.
 12.34 p.m.—London metal and wheat report.
 12.38 p.m.—Dairy farm produce market report.
 12.50 p.m.—G.P.O. clock and chimes.
 Foreign market report.
 12.52 p.m.—Fish market report.
 12.54 p.m.—Rabbit market report.
 12.56 p.m.—News from the "Sun."
 12.58 p.m.—Hillier's Instrumental Quartet.
 Direction, Cyril Cutting.
 1.30 p.m.—G.P.O. clock and chimes.
 Talk to children and special entertainment for children in hospital.
 2 p.m.—G.P.O. clock and chimes.
 Close down.

AFTERNOON SESSION.

Having information broadcast immediately after each race, by courtesy of the "Sun."
 3 p.m.—G.P.O. clock and chimes.
 News from the "Sun."
 3.15 p.m.—Civil Service Stores Trio. Direction, Miss de Courcy Bremer.
 3.30 p.m.—G.P.O. clock and chimes.
 News from the "Sun."
 3.40 p.m.—Musical programme from the Studio.
 3.50 p.m.—News from the "Sun."
 4 p.m.—G.P.O. clock and chimes.
 Civil Service Stores Trio.
 4.15 p.m.—Social story.
 4.35 p.m.—Musical programme from the Studio.
 4.45 p.m.—News from the "Sun."
 4.50 p.m.—Racing resume.
 4.52 p.m.—Resume of night's programme.
 4.54 p.m.—Announcements and What's On?
 4.58 p.m.—Special ocean forecast.
 5 p.m.—G.P.O. clock and chimes.
 Close down.

EARLY EVENING SESSION.

6.45 p.m.—G.P.O. clock and chimes.
 Uncle George and the kiddies.
 6.50 p.m.—Musical programme from the Studio.
SPECIAL COUNTRY SESSION.
 7 p.m.—G.P.O. clock and chimes.
 Australian Mercantile, Land, and Finance.
 Clock report.
 Weather report and forecast by courtesy of Government Meteorologist.
 Producers' Distributing Society's fruit and vegetable market report.
 Stock Exchange reports.
 Mailgram and fodder report ("Sun").
 Dairy produce report ("Sun").
 7.15 p.m.—Country news from the "Sun."
 7.20 p.m.—Talk on the prospects of Saturday's Soccer, by a member of the Metropolitan Soccer Association.
 7.30 p.m.—Talk on "Gardening Science," by Mr. Cooper, Park Superintendent, City Council.
 8 p.m.—G.P.O. clock and chimes.
 Broadcaster's Topical Opera.
 8.3 p.m.—The Veritable Two in plane and saxophone recitals.
 8.15 p.m.—Miss Lena Murray, contralto.
 8.20 p.m.—Mr. Reg. Harrison, melodist.
 8.27 p.m.—Broadcaster's all-sports expert will talk on football.
 8.42 p.m.—Miss Mabel Fotheringham, soprano.

8.45 p.m.—Broadcaster's Trio.
 8.50 p.m.—Weather report and forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.
 9 p.m.—G.P.O. clock and chimes.
 Resume of following day's programme.
 9.5 p.m.—Mr. Fred Lester, baritone.
 9.15 p.m.—Ward Lear and Will Kenny, in a laughing, singing and whistling act.
 9.35 p.m.—Broadcaster's Trio.
 9.40 p.m.—The sporting editor of the "Sun" will talk on the prospects of Saturday's racing.
 10.3 p.m.—Miss Lena Murray.
 10.10 p.m.—Miss Edna Fenner, pianist.
 10.17 p.m.—Mr. Reg. Harrison.
 10.24 p.m.—News reports by courtesy of the "Sun" newspapers.
 10.29 p.m.—Miss Mabel Fotheringham.
 10.35 p.m.—Miss Lena Murray.
 10.41 p.m.—Mr. Fred Lester.
 10.48 p.m.—Broadcaster's Trio.
 11 p.m.—G.P.O. clock and chimes.
 National Anthem.

1.30 p.m.—Music.
 1.35 p.m.—Mr. J. E. Powell.
 1.50 p.m.—Announcements.
 2.05 Instrumental Trio.
 DAN SCULLY, MURIELLE LANG, ADA BROOK.
 2.15 p.m.—Address.
 2.20 p.m.—Singer.
 2.25 p.m.—Talk on "Albums Illustrated" by SHIRLEY ARMSTRONG.
 2.30 p.m.—Dance Recital.
 1. "First movement from Quinella" (Dvorak).
 2. "The Song of the Lark" (Liszt).
 3. "The Song of the Lark" (Liszt).
 4. "The Song of the Lark" (Liszt).
 5. "The Song of the Lark" (Liszt).
 6. "The Song of the Lark" (Liszt).
 7. "The Song of the Lark" (Liszt).
 8. "The Song of the Lark" (Liszt).
 9. "The Song of the Lark" (Liszt).
 10. "The Song of the Lark" (Liszt).
 11. "The Song of the Lark" (Liszt).
 12. "The Song of the Lark" (Liszt).
 13. "The Song of the Lark" (Liszt).
 14. "The Song of the Lark" (Liszt).
 15. "The Song of the Lark" (Liszt).
 16. "The Song of the Lark" (Liszt).
 17. "The Song of the Lark" (Liszt).
 18. "The Song of the Lark" (Liszt).
 19. "The Song of the Lark" (Liszt).
 20. "The Song of the Lark" (Liszt).
 21. "The Song of the Lark" (Liszt).
 22. "The Song of the Lark" (Liszt).
 23. "The Song of the Lark" (Liszt).
 24. "The Song of the Lark" (Liszt).
 25. "The Song of the Lark" (Liszt).
 26. "The Song of the Lark" (Liszt).
 27. "The Song of the Lark" (Liszt).
 28. "The Song of the Lark" (Liszt).
 29. "The Song of the Lark" (Liszt).
 30. "The Song of the Lark" (Liszt).
 31. "The Song of the Lark" (Liszt).
 32. "The Song of the Lark" (Liszt).
 33. "The Song of the Lark" (Liszt).
 34. "The Song of the Lark" (Liszt).
 35. "The Song of the Lark" (Liszt).
 36. "The Song of the Lark" (Liszt).
 37. "The Song of the Lark" (Liszt).
 38. "The Song of the Lark" (Liszt).
 39. "The Song of the Lark" (Liszt).
 40. "The Song of the Lark" (Liszt).
 41. "The Song of the Lark" (Liszt).
 42. "The Song of the Lark" (Liszt).
 43. "The Song of the Lark" (Liszt).
 44. "The Song of the Lark" (Liszt).
 45. "The Song of the Lark" (Liszt).
 46. "The Song of the Lark" (Liszt).
 47. "The Song of the Lark" (Liszt).
 48. "The Song of the Lark" (Liszt).
 49. "The Song of the Lark" (Liszt).
 50. "The Song of the Lark" (Liszt).
 51. "The Song of the Lark" (Liszt).
 52. "The Song of the Lark" (Liszt).
 53. "The Song of the Lark" (Liszt).
 54. "The Song of the Lark" (Liszt).
 55. "The Song of the Lark" (Liszt).
 56. "The Song of the Lark" (Liszt).
 57. "The Song of the Lark" (Liszt).
 58. "The Song of the Lark" (Liszt).
 59. "The Song of the Lark" (Liszt).
 60. "The Song of the Lark" (Liszt).
 61. "The Song of the Lark" (Liszt).
 62. "The Song of the Lark" (Liszt).
 63. "The Song of the Lark" (Liszt).
 64. "The Song of the Lark" (Liszt).
 65. "The Song of the Lark" (Liszt).
 66. "The Song of the Lark" (Liszt).
 67. "The Song of the Lark" (Liszt).
 68. "The Song of the Lark" (Liszt).
 69. "The Song of the Lark" (Liszt).
 70. "The Song of the Lark" (Liszt).
 71. "The Song of the Lark" (Liszt).
 72. "The Song of the Lark" (Liszt).
 73. "The Song of the Lark" (Liszt).
 74. "The Song of the Lark" (Liszt).
 75. "The Song of the Lark" (Liszt).
 76. "The Song of the Lark" (Liszt).
 77. "The Song of the Lark" (Liszt).
 78. "The Song of the Lark" (Liszt).
 79. "The Song of the Lark" (Liszt).
 80. "The Song of the Lark" (Liszt).
 81. "The Song of the Lark" (Liszt).
 82. "The Song of the Lark" (Liszt).
 83. "The Song of the Lark" (Liszt).
 84. "The Song of the Lark" (Liszt).
 85. "The Song of the Lark" (Liszt).
 86. "The Song of the Lark" (Liszt).
 87. "The Song of the Lark" (Liszt).
 88. "The Song of the Lark" (Liszt).
 89. "The Song of the Lark" (Liszt).
 90. "The Song of the Lark" (Liszt).
 91. "The Song of the Lark" (Liszt).
 92. "The Song of the Lark" (Liszt).
 93. "The Song of the Lark" (Liszt).
 94. "The Song of the Lark" (Liszt).
 95. "The Song of the Lark" (Liszt).
 96. "The Song of the Lark" (Liszt).
 97. "The Song of the Lark" (Liszt).
 98. "The Song of the Lark" (Liszt).
 99. "The Song of the Lark" (Liszt).
 100. "The Song of the Lark" (Liszt).

3LO, MELBOURNE.

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

2GB, SYDNEY

Theosophical Broadcasting Service.
 Wave Length, 318 Metres.

Friday

MIDDAY SESSION.

12 noon.—Time Signal. Metal prices received by the Australian Mines and Metals Association from the London Metal Exchange this day.
 1. British Official Wireless news from Bagby, Beiler's and The Australian Press Association Cables. "Arpa" news service.
 12.20 p.m.—FRANK AND PHANCES LEE, Hawaiian Entertainers.
 Duet, "Maid Girl."
 Song, "You Make Me."
 Song, "Guitar and Wagon Wheel."
 Duet, "My Waikiki Mornin'."
 12.30 p.m.—STUDIO ORCHESTRA:
 "Faded Dreams" (Stanhelm).
 12.40 p.m.—Exchange information.
 12.45 p.m.—CLINTON AND LEIGH:
 "Golden Dreams" (Stanhelm).
 "Mildred Moore" (Stanhelm).
 12.50 p.m.—STUDIO ORCHESTRA:
 "Chiquita Vale" (Barraud).
 "Souvenir" (Herbert).
 1 p.m.—ETHEL FORSHAW, soprano:
 "The Waiting is Good" (Grogg).
 "Ingrid's Song" (Keriff).
 1.07 p.m.—HERTHA JOHNSON, violin:
 "Menuet" (Poppers-Kreisler).
 "Strawberry" (Strawell).
 1.14 p.m.—Meteorological information. Shipping intelligence. Weather synopsis for Victoria, Tasmania, South Australia, and New South Wales. Ocean Forecast. River reports. Rainfall for Victoria, Tasmania, South Australia, and New South Wales.
 1.25 p.m.—STUDIO ORCHESTRA:
 "Cavotta" (Poppers).
 1.35 p.m.—ETHEL FORSHAW, soprano:
 "The Winds in the South Today" (Scott).
 "The Birth of Morn'" (Lentill).
 1.45 p.m.—TALIA SHERMAN, Cello:
 "Cavotta" (Poppers).
 1.47 p.m.—CLINTON AND LEIGH:
 "Ballad" (Stanhelm).
 "Faded Dreams" (Stanhelm).
 1.54 p.m.—STUDIO ORCHESTRA:
 "Idyl Blumenauer Fluter" (Blum).

AFTERNOON SESSION.

2.45 p.m.—Description of Associated Public Schools of Victoria football. GELONG GRAMMAR SCHOOL v. GELONG COLLEGE; description by Mr. Wallace Sharnland transmitted from Geelong.
 2.55 p.m.—Description of Associated Public Schools of Victoria football. MELBOURNE GRAMMAR SCHOOL v. WESLEY COLLEGE, by Mr. C. Brooksland from M.C.C.
 3.15 p.m.—STUDIO ORCHESTRA:
 "Cavotta" (Poppers).
 3.19 p.m.—Description of Associated Public Schools of Victoria football. GELONG GRAMMAR SCHOOL v. GELONG COLLEGE, described by Mr. Wallace Sharnland from Geelong. Quiz—dms.

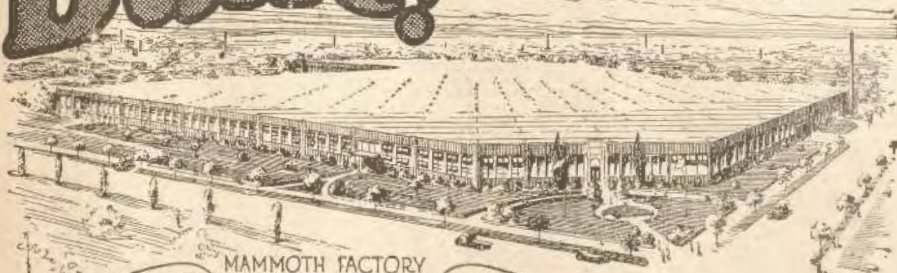
INTERSTATE "A" AND "B" CLASS BROADCASTING STATIONS.

- 2FO.—Broadcasting Company of Australia, Ltd., Melbourne, wavelength 571 metres, power 5000 watts.
- 4QT.—Queensland Radio Service, Brisbane, wavelength 353 metres, power 6000 watts.
- 6CL.—Central Broadcasters' Ltd., Adelaide, wavelength 396 metres, power 3000 watts.
- 6WF.—Western Farmers, Ltd., Perth, wavelength 1350 metres, power 4000 watts.
- 7TL.—Tasmanian Broadcasters, Ltd., Hobart, wavelength 335 metres, 3000 watts.
- 7AR.—Associated Radio Co., Ltd., Melbourne, wavelength 454 metres, power 1800 watts.
- 3DH.—Ornithological and Technical College, Melbourne, wavelength 255 metres, power 500 watts.
- 3UZ.—O. J. Nilzen & Co., Melbourne, wavelength 319 metres, power 100 watts.
- 4GH.—Gold Radio Electric Service, Townsville, Queensland, wavelength 254 metres, power 100 watts.
- 4LH.—Sport Radio, Broadcasting Station, Adelaide, wavelength 359 metres, power 1000 watts.
- 5DN.—5DN Pty., Ltd., Adelaide, wavelength 313 metres, 300 watts.

Philcos are Aristocrats among Batteries.

Built!

NOT ASSEMBLED FROM RANDOM PARTS.



MAMMOTH FACTORY
DEVOTED TO THE
CONSTRUCTION OF

ATWATER KENT RADIO

SIX VALVE (ONE DIAL) Model 35

(Illustrated on right)

The unique design of this cabinet is executed in four beautifully blending colors—two shades of dull brown crystalline on the cabinet itself, a beautiful gold-plated name plate at the centre of the top, while the Station Dial and Rheostat Knob are of rich Brown Bakelite. Cabinet length, 17½ ins.; Depth, 7½ ins.; Height, 5½ ins.

MODEL 35—CASH PRICES:

Set Only - - £35. Complete - - £55.
Either of these sets occupies less room on a table than a few small books.

FIVE VALVE "COMPACT" Model 20

(Illustrated on right)

Beautifully finished in polished mahogany. The operation of this set is almost as simple as the "One Dial," as the readings of the three Station Dials are uniform—30 page illustrated instruction Book with each set. Cabinet length, 19½ ins.; Depth, 5½ ins.; Height, 6½ ins.

MODEL 20—CASH PRICES:

Set only - - £29/10/. Complete - - £47/10/.

COMPLETE means not only that every piece of necessary equipment (except aerial mast only) is supplied, but also that each accessory is worthy of the Atwater Kent Name—no shoddy. Included are Atwater Kent Speaker, P. and R. English-Made Storage Battery, etc. SET ONLY means the actual receiver without valves or accessories.

"MANUFACTURERS" of Radio Receivers are a varied lot. But few of these are willing or able to take all the precautions that are necessary if each set they produce is to perform even as well as the first one.

In the fifteen-acre Atwater Kent factory (largest in the world) sets are made at the amazing rate of eleven per minute to standard printer designs. Each set passes through 140 gauges and physical inspections and nineteen electrical tests before it is O.K.'d. That this method of manufacture is successful is proven by the fact that every night several million American people listen in on Atwater Kent Sets. Whether on the Six Valve One Dial Set or on the Five Valve "Compact," station after station is brought in clearly, without interference, without distortions, howling, or any other defects.

Prices from £29/10/-
CASH PRICE

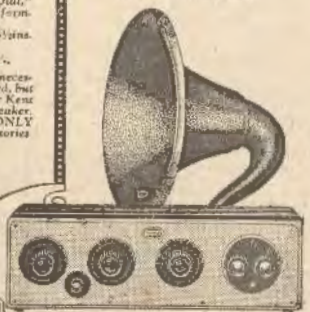
(Five valve "Compact" — Set Only)
Terms can be arranged from 20% weekly.

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

Metropolitan Distributors: P. and R. WILLIAMS LTD
80-82 WENTWORTH AVE., SYDNEY
Country Agents Everywhere
(Names on request from A. G. Healing Ltd.)



SIX VALVE (ONE DIAL)



FIVE VALVE "COMPACT"

CUT OUT AND POST FOR FREE LITERATURE—

Messrs. A. G. Healing Ltd., 208-10 Castlereagh-st., Sydney

Please send me the free literature on Atwater Kent Radio and the equipment supplied with the A.K. "Complete" Set.

Name _____

Address _____

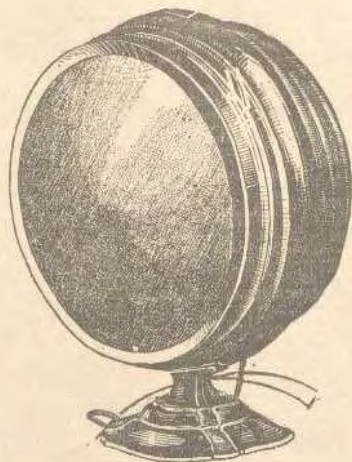
W.V. 29-7-27



Headphone-Clearness!

A Triumph of . .

New Principles.



With its ultra sensitive floating cone and its delicately responsive balanced armature the new R.C.A. triumph, Loudspeaker Model 100, reproduces with the clearness and precision of a pair of fine headphones. Subtle shades of tone formerly lost in Loudspeaker reproduction are reproduced in all their true delicate value. All Distortion is filtered out by an exclusive tone clarifier.

The model 100 makes any good radio set better. It has changed all the old ideas about radio reproduction. It has brought to radio a new musical quality that is due to the Model 100's ability to reproduce the rich overtones on the presence of which depend the beauty and quality of musical sounds. Fit a Model 100 to your set and note the vast improvement in your reception.

93-95 Clarence St.,
SYDNEY.

AUSTRALIAN
GENERAL ELECTRIC
Australian General Electric Company Ltd

53 King Street,
NEWCASTLE.

- 8.14 p.m.—The Ladder Four, Male Quartet: "Merrily's Lullaby" ("The Melow Melon" (Richardson).
8.21 p.m.—Mr. Walter Barker, harp: "The Holly of Aberleaves" (Thomas).
8.25 p.m.—Miss Minnie Matha, soprano: "Serenata" (Tonelli).
"Don't you mind the Sorrows."
8.35 p.m.—Announcements.
8.38 p.m.—Mr. Lauriston Burnett, English hornist:
"I tried to keep from laughing" (Morre).
8.47 p.m.—Signor Corsi and Zetti, mandolin and guitar duo:
"A Night in Venice," Serenade (Cora).
8.53 p.m.—Mr. James Scott and Mrs. W. Widdows, duet:
"Watchman, what of the night" (Szeracki).
8.59 p.m.—Mr. Ralph Thomson and Mr. Harry Fletcher, duet:
"The Battle Eve" (Bonheur).
9 p.m.—Mr. Harry Loft, harp:
"The Duchess's Sonata" (Villa).
"Sunday" (Miles).
9.7 p.m.—Mr. V. Unton-Brown, narrator:
"The Revolt of the Gladiators," a reconstructed scene from Roman History. The great revolt of the slaves under Spartacus, the gladiator, in 70 B.C.
9.15 p.m.—Mr. Walter Barker, harp:
"Stanzas in G Flat" (Thomas).
9.22 p.m.—The Ladder Four:
"Calm in the Sea" (Pavli).
"The Soldier's Farewell" (Purdy).
9.30 p.m.—Announcements.
9.34 p.m.—Mr. Lauriston Burnett, English hornist:
"Sally Ann de Girl" (Gordon).
9.42 p.m.—Miss Minnie Matha, soprano:
"A Thousand Chimes" from "Mazilana" (Wallace).
"Hied of Love Divine" (Hayva Wood).
9.49 p.m.—Signor Corsi and Zetti, mandolin and guitar duo:
"The Bell of Cerville."
9.55 p.m.—Mr. Ralph Thomson, baritone:
"Tomorrow" (Kost).
10 p.m.—G.P.O. Clock says "Ten."
10.1 p.m.—The "Age" News Bulletin, exclusive to SAR.
10.5 p.m.—Dance Hour, Leggett's Ballroom Orchestra (direction, Mr. Harry Nangley).
11 p.m.—"Intonations" entertainment.
11.30 p.m.—G.P.O. Clock says "Eleven."
"God have the King."

4QG, BRISBANE

Queensland Radio Service.
Wave Length, 385 Metres.

Friday

MIDDAY SESSION.

- 1 p.m.—Market reports, weather information, "The Daily Mail" and "The Daily Standard" news.
FROM HOTEL CARLTON:
1.30 p.m.—Lunch hour music played by Hotel Carlton Symphony Orchestra.
FROM THE OBSERVATORY:
1.55 p.m.—Standard time signal.
2 p.m.—Close down.

AFTERNOON SESSION.

- FROM HOTEL CARLTON:
2.30 p.m.—Afternoon tea music played by Hotel Carlton Symphony Orchestra.
FROM THE STUDIO:
4.15 p.m.—News service supplied by "The Telegraph."
4.30 p.m.—Close down.

EARLY EVENING SESSION.

- 6 p.m.—"Daily Standard" news, weather information, announcements.
6.30 p.m.—Bedtime stories by "The Sandman."
7 p.m.—Market reports, stock reports.
7.55 p.m.—Weather news, announcements.
7.58 p.m.—Standard time signal.

NIGHT SESSION.

W.E.A. MUSIC CLASS.

The Workers' Educational Association's Tutorial Classes in Music are being held this season in the reception hall at 4QG, and are being conducted by Mr. George Harrison (Musical Assistant, Department of Public Instruction; Lecturer in Music, Teachers' Training College).
The object of holding the classes at 4QG is to bring the best of the lecture and the music, and to make available to a large audience the educational matter placed before the students. The classes will extend over a period, and will be held each Friday night.

The ordinary lectures which is usually given at 7.45 p.m. will be dispensed with, and the classes will begin at that hour. The first, Mr. Sampson, will lecture during the first portion of each evening, and chamber music will be played after each lecture.

FROM THE RECEPTION HALL:

- 7.45 p.m.—W.E.A. Music Class.
The following artists will illustrate Mr. Sampson's lecture to-night:—Mrs. Stuart (soprano), Miss Foid (soprano), Miss Erica Stuart (second violin), Miss Marjorie Stuart (cello).
FROM THE STUDIO:

9 p.m.—Meteorological weather forecast.
Weather road information for motorists, officially supplied by the Royal Automobile Club of Queensland.

SILKSTONE APOLLO CLUB.

- Male Chorus, "To Arms" (Laurent de Rille), the Apollo Club; song, selected, Mr. T. Westwood; chorus, "Bonnie Banks of Loch Lomond" (Vincenzi), the Apollo Club; song, "You Lovely Things" Mr. B. Griffith; chorus, "Pilgrims' Chorus" (Tannhauser), the Apollo Club; recitation, item, selected, Mr. D. Sweet; chorus, "Anchored" (Walt), the Apollo Club; duet, "Finesse, Gentle Dera," Messrs. Westwood and Morris; chorus—(a) "When Evening's Twilight," (b) "In the Evening," the Apollo Club; madrigal solo, "Hungarian Dance in F-Minor" (Brahms), Miss T. Marsh; chorus, "The Volga Boatmen" (Granville Bantock), the Apollo Club; bass solo, selected, Mr. V. Westwood; chorus—(a) "Lullaby" (Brahms), (b) "Mausa's In de Cold, Cold Ground" (Bell), Apollo Club; song, selected, Mr. A. Wilcox; chorus, "Comrades in Arms" (Adams), the Apollo Club.

FROM THE STUDIO:

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

5CL, ADELAIDE

Central Broadcasters, Ltd.
Wave Length, 395 Metres.

Friday.

AFTERNOON SESSION.

- 2 p.m.—Chimes.
3.1 p.m.—Relay from the Maple Leaf Cafe: Orchestral selections.
3.45 p.m.—From the Studio:
Recital by the Buzoni and the Autonne.
4 p.m.—Chimes.
4.1 p.m.—Relay from the Arcadia Cafe: Orchestral selections.
Vocalist, Mary Edson.
4.55 p.m.—Station announcements.
5 p.m.—Chimes and close down.

EVENING SESSION.

- 6 p.m.—Chimes.
6.1 p.m.—Relay from the Crown Garden Restaurant: Orchestral selections.
6.44 p.m.—Running time of the East West Express.
6.45 p.m.—Children's entertainment.
7.20 p.m.—Market reports, Stock Exchange Intelligence, Retail Grocers' reports, Automobile Association bulletin, and Fish Market reports.
7.30 p.m.—General sporting talk by "Wind."
7.50 p.m.—Football talk by "Highmark."
8 p.m.—Chimes.

8.1 p.m.—Melody Masters.

- From the Studio:
9.1 p.m.—Weather report.
9.2 p.m.—Dalry's wheat report.
9.3 p.m.—Frodo's dramatic program.
Melody Masters, James, ventralia, Gilbert Casey, violinist.
The Hallway Quartette in solos, duets and quartets.
9.45 p.m.—Mr. R. C. Scott, experimentalist of Roseworthy Agricultural College.
10.05 p.m.—Thomas's programme, weather bulletin, chimes.
Melody Masters.
11 p.m.—Close down.

6WF, PERTH

Westralian Farmer's.
Wave Length, 1260 Metres.

Friday

- 12.30 p.m.—Tune in.
1.30 p.m.—Local News Items supplied by courtesy of "The West Australia" Newspaper Co. Market reports supplied by the Westralian Farmers Limited. Chimes supplied by the Australian Farmers' Union Association.
1 p.m.—Time Signal from Perth Observatory.
1.11 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.25 p.m.—Studio Quintette.
2 p.m.—Class down.
2.15 p.m.—Musical Programme.
2 p.m.—Close down.
6.45 p.m.—Tune in.
6.50 p.m.—Musical Evening for the Kiddies.
7.30 p.m.—Stock and Share Intelligence supplied by courtesy of Messrs. Saw and Grimwood Limited. Market reports supplied by the Westralian Farmers Limited. Second Local News Bulletin supplied by courtesy of "The West Australia" Newspaper Co. Chimes supplied by the Australian Press Association.
7.45 p.m.—Talk by "Caher" on Saturday's Racing.
8 p.m.—Time Signal from Perth Observatory.
8.1 p.m.—Weather Notes supplied by the Meteorological Bureau of Western Australia.
8.5 p.m.—Popular night.
Items by Misses Sutton and Pacey, Instrumentalists, etc. s.v. Katoomba. Cornet solo by Mr. Chas. Court.
9 p.m.—"Gardening Notes" by Mr. E. A. Hughes, representing Messrs. Dawson and Barron.
10 p.m.—Late news items supplied by courtesy of the "Daily News" Newspaper Co.
Weather forecast and report. Ship's wireless range.
10.30 p.m.—Close down.

7ZL, HOBART

Tasmanian Broadcasters, Ltd.

Friday.

MORNING SESSION—11 a.m. to 12 noon.

- AFTERNOON SESSION.
1 p.m.—G.P.O. Clock Chimes.
1.1 p.m.—Time in subtraction.
1.5 p.m.—Hobart Stock Exchange quotations. Weather information. Items of interest.
Announcements.
2.15 p.m.—Orchestral selections by 7ZL Op. chitra.
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 Club by Mr. George Nation.
NIGHT SESSION.
7.30 p.m.—Fruit, Poultry and Produce Reports, through the courtesy of Roberts and Co., Ltd., Murray Street, Hobart.
7.45 p.m.—Gardening Talk by Mr. George Nation, Glen Nurseries, Coacades.

Ask any Radio Engineer about Burgens.



The Brandola

£4:10:0

Brandes Products Surpass!

Everyone realises that ultimately Brandes must come to the fore by sheer merit. The Brandola, the largest of the Brandes Horn Type Speakers, is volumes ahead of any other. Its price is most reasonable for the quality. Ask for a demonstration, or write to us and mention your nearest dealer's name.

INTERNATIONAL RADIO COMPANY LTD.

200 CASTLEREAGH STREET, SYDNEY

7.34 p.m.—"Mercury" special Tasmanian news service.
 Railway Auction Produce Sale.
 Weather forecasts.
 Robert Stock Exchange quotations.
 Sports Budget, through the courtesy of Mr. H. W. Newton, of the Sports Depot, Hobart.

8 p.m.—G.P.O. Clock Chimes.
 8.1 p.m.—Concert from the Studio;
 Miss O'Brien (soubrette).
 Miss Ruby Wallace (soprano).
 Miss Winnie Shield (pianist).
 Mr. Charles Fender (bass-baritone).
 Mr. Victor Pharaon (basso solo).
 Mr. Reg. Cooper (baritone).

8.30 p.m.—Chant on Saturday's Football, by "Sunny" Mann.

8.40 p.m.—British official wireless news.
 8.50 p.m.—"Mercury" special interstate news service.

Ship's within wireless range.
 Tasmanian District Weather Reports.
 9 p.m.—Weather Forecasts.
 Station announcements.
 Travellers' wireless information.
 National Anthem.

Saturday, July 30 2FC, SYDNEY.

EARLY MORNING SESSION.

7 a.m.—A. S. COCHRANE.
 7.5 a.m.—"Big Ben" and announcements.
 7.55 a.m.—Studio music.
 7.59 a.m.—COUNTRY SESSION; Official weather forecast, rainfall, temperatures, astronomical phenomena, shipping intelligence, mail services.
 7.55 a.m.—Investment market, mining share market, metal quotations.
 7.59 a.m.—Wool sales, breadstuffs markets, interstate market, produce markets.
 7.45 a.m.—"Sydney Morning Herald" summary.
 8 a.m.—"Big Ben" Close down.

MORNING SESSION.

Announcer A. S. COCHRANE.
 10 a.m.—"Big Ben" and announcements.
 10.5 a.m.—Studio music.
 10.15 a.m.—"Sydney Morning Herald" news service.
 10.40 a.m.—Studio music.
 10.35 a.m.—A talk by the 2FC Racine Commissioner.
 10.45 a.m.—Studio music.
 11 a.m.—"Big Ben" Studio music.
 11.5 a.m.—A.P.A. and Denton's Cable Services.
 11.10 a.m.—Studio music.
 11.15 a.m.—A talk on Gardening by Mr. G. J. Lockley, ("Roogram").
 11.50 a.m.—Classical music.

MIDDAY AND AFTERNOON SESSIONS.

12 noon—"Big Ben" and announcements.
 12.15 p.m.—Stock Exchange first call.
 12.3 p.m.—Studio music.
 12.39 p.m.—"Sydney Morning Herald" news and Rugby wireless news.
 12.55 p.m.—Studio music.
 NOTE: The Hospital racing will be described in the running by the 2FC racing commentator.
 1 p.m.—"Big Ben" Weather intelligence.
 1.3 p.m.—"Evening News" midday news service.
 1.30 p.m.—Studio music.
 During the interval of race descriptions the following items will be given:
 1.30 p.m.—THE CRYSTAL PALACE THEATRE ORCHESTRA, under the direction of Harry Sims.
 CLIFF PIER (pianist) (from the studio).
 THE WENTWORTH SYMPHONIC DANCE ORCHESTRA, conducted by Cyril Kaye.
 POPULAR MUSICAL ITEMS, from the studio.
 4.30 p.m.—Complete news of the day's sporting events.
 6 p.m.—"Big Ben" Close down.

EARLY EVENING SESSION.

6.45 p.m.—The closing of 2FC.
 6.50 p.m.—The "Hello Man" talks to the children.
 6.55 p.m.—Story time for the young folk.
 7.45 p.m.—Dinner music.

7 p.m.—Late sporting news.
 7.15 p.m.—Weather intelligence.
 7.19 p.m.—"Evening News" late news service.

NIGHT SESSION.

7.35 p.m.—Programme announcements.
 7.45 p.m.—THE LOUIE WAILES Male Quartette:
 Announcer:
 (a) "Baby Bunter" (by request) (Cuckoo).
 (b) "Annie in the Dock" (Petrif).
 (c) "Noble was a Loner".
 7.50 p.m.—"Big Ben" From the Prince Edward Theatre, Ambassadors Street, Sydney.
 Items from the instrumental boys and vocal groups to the film.
 "B-K-N R-O-K."

1. Introductory Music, Will Price and Concert Orchestra.
 2. Leslie V. Harvey at the Organ and Organ.
 "Melody of Love" from "Lorna Love" (Lullaby).
 3. "Thrilling Around the World," A Fox Variety arranged by Hal H. Carleton.
 4. Will Price and the Prince Edward Concert Orchestra playing:
 "Selection from 'Auldhammer'" (Wagner), with Leslie V. Harvey at the Organ.
 5. John Price, well known tenor, rendering:
 "Star of Bethlehem" in Atmospheric Prelude to "Ben Hur".
 6. The Orchestra in the Score to "Ben Hur".
 8.45 p.m.—Edgar Wareson, well known English actor, at present appearing in the "Ghost Train" will present the fourth of a series of about ten recasting sketches:
 (a) "A Night of Horror".
 (b) "Making Game of It".
 8.55 p.m.—"The Four Waifs" Male Quartette:
 (a) "Ostin in the East" (Coke).
 (b) "I never see Muggle alone".
 (c) "Hello, How are you?"
 9.5 p.m.—WIN and WINDLE, English Entertainers.

9.15 p.m.—RIGNOR UBALDO RUSSO (baritone) and LINDA BRADFORD (soprano) in "The Captive" (first appearance after an absence in India and the East).

9.25 p.m.—THE PRINCE EDWARD THEATRE ORCHESTRA.
 9.45 p.m.—"The Four Waifs" Male Quartette:
 (a) "Whispering Melody".
 9.45 p.m.—WIN and WINDLE, English Entertainers.

10 p.m.—RIGNOR UBALDO RUSSO, baritone, and LINDA BRADFORD, soprano.
 10.30 p.m.—THE PRINCE EDWARD THEATRE ORCHESTRA.
 Incidental music to the Screening of the "Carrier New" by "Clea" Hux.

10.50 p.m.—WIN and WINDLE, English Entertainers.
 10.55 p.m.—Haber Session arranged by Len Maurice.
 11.07 p.m.—Late news and announcements.
 11.10 p.m.—"Big Ben" Dance session under the direction of Len Maurice.
 11.30 p.m.—The Wentworth Symphonic Dance Orchestra, Conductor, Mr. Cyril Kaye.
 11.45 p.m.—National Anthem. Close down.

2BL, SYDNEY

Saturday.

EARLY MORNING SESSION.

7.0 a.m.—G.P.O. Clock and Chimes; Metropolitan Weather Forecast.
 7.2 a.m.—State Weather Report.
 7.45 a.m.—New Zealand.
 7.55 a.m.—G.P.O. Clock and Chimes; Fruit Market Report.
 7.55 a.m.—Vegetable Market Report.
 7.55 a.m.—Retailing Market Report.
 7.55 a.m.—Finance Co.'s Report.
 7.55 a.m.—Dairy and Farm Produce Market Report.
 7.55 a.m.—Fidelity Market Report.
 7.55 a.m.—G.P.O. Clock and Chimes; Musical Programme from the Studio.
 7.55 a.m.—News Review.
 7.55 a.m.—Bonds in Call by Hux.
 7.45 a.m.—Mail Information, Shipping Arrivals and Departures and Post Directory.
 7.45 a.m.—G.P.O. Clock and Chimes; News Service.
 8.0 a.m.—G.P.O. Clock and Chimes; Close Down.

MORNING SESSION.

11.0 a.m.—4.4.4.1. Clock and Chimes; Musical Programme from the Studio.
 11.15 a.m.—Social Notes by Mrs. Jordan; Talk on "Cookery for Children," by Mrs. Jordan.

AFTERNOON SESSION.

12 noon—G.P.O. Clock and Chimes; Special News Service and Weekly Report.
 12.15 p.m.—News from the "Sun".
 12.15 p.m.—Sporting and Athletic Fixtures.
 12.15 p.m.—What's on at the "Picture and Radio" Theatre.
 12.30 p.m.—Musical programme from the Studio.
 12.45 p.m.—News from "Sun".
 12.55 p.m.—Baring Reserve.
 12.55 p.m.—Musical programme from studio.
 1 p.m.—G.P.O. Clock and Chimes. Musical programme from the studio.
 1.10 p.m.—Sporting Talk and athletic fixtures for the day. Lawn Tennis, Hockey, Tennis, Football, Snooker, Bowling.
 1.20 p.m.—Musical programme from the studio.
 1.30 p.m.—G.P.O. Clock and Chimes. Talk to children and apical entertainment for children in Hospital.
 2 p.m.—G.P.O. Clock and Chimes. Serial Story.
 2.15 p.m.—Musical programme from the studio.
 2.25 p.m.—Baring Reserve.
 2.30 p.m.—G.P.O. Clock and Chimes; News from "Sun".
 During the Afternoon sporting information will be broadcast by courtesy of the "Sun" interwoven with musical items and broadcast of football matches.
 2.55 p.m.—G.P.O. Clock and Chimes. Racing Results.
 3.0 p.m.—Close down.

EARLY EVENING SESSION.

6.40 p.m.—G.P.O. Clock and Chimes. Uncle George and the Kiddies.
 6.45 p.m.—Musical programme from the studio.
 6.55 p.m.—Results of all sporting information including Racing, Bowls, Tennis, Athletics, by courtesy of the "Sun".
 6.55 p.m.—G.P.O. Clock and Chimes. Broad-specter topical chorus.
 6.55 p.m.—Sporting programme. Musical items will be broadcast during the evening by the following: The Whispering Lady Quartet, Mr. Bert Parnell (actor), Mr. C. K. King (comedian), the soloist, Miss Hazel McIlwain (soprano).
 7.15 p.m.—The Ambassadors Dance Band Broadcast from the ballroom of the Ambassadors. During intervals between dances "Sun" news will be broadcast.
 11 midnight—G.P.O. Clock and Chimes. National Anthem.

3LO, MELBOURNE.

Saturday

MORNING SESSION.

11 a.m.—STUDIO ORCHESTRA:
 Overture, "La Poupée de Nuremberg" (Adam).
 11.15 a.m.—FRANK and FRANCES LUIG:
 Duet, "My Honolulu Tom Boy".
 Song, "Nani lei O Hawaii".
 Solo, "Kohala March".
 Duet, "Calm Hawaiian Seas".
 11.25 a.m.—WALTER SMITH, concert soloist:
 "My Heart at the Sweet Voice" (Saint Saens).
 11.35 a.m.—STUDIO ORCHESTRA:
 "Carnival Procession" (Hector).
 "Berceuse (Cadenza)" (Kielcei).
 11.45 a.m.—ETHEL FORSHAW, soprano:
 "Ebb's Dream" (Wagner).
 "Elizabeth" (Prayer) (Wagner).
 11.45 a.m.—STUDIO ORCHESTRA:
 "Peer Gunt Suite, Part 1" (Grieg).
 11.45 a.m.—AGNES PORTUNE, piano:
 "Melody" (Wolfe) (Heubmann).
 12 noon.—Time signal. Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange.
 12.15 p.m.—British Official Wireless news service. Reuters' and the Australian Press Association cables. "Argus" news service.

Unsolicited Substantiation of the Claims of the Manufacturers of Mullard P.M. Valves

Hanby Street,
Middle Brighton, Vic.
Messrs. A. Beal Pritchett, (Aust.), Ltd., 4th July, 1927.
150 Queen Street,
MELBOURNE.

Dear Sirs:

I beg to inform you that I have had great satisfaction with Mullard Valves, and submit the following information for you:—

Test No. 1: 3/199 Valves gave 458 hours on Burgess Cells (2/45) and used 25 volts.

No. 2: 2/P.M. 3 and 1/P.M. 4 gave 459 hours and used 17 volts.

No. 3 2/P.M. 3 and 1/P.M. 254 gave 314 hours and used 18 volts.

Test No. 3 cannot be compared with No. 2, as one P.M. 3 has done 1134 hours and the other 879 hours, and still going strong. The reason I have the above data is on account of seeing one of your advertisements stating that your valves consumed 10 per cent. less "B" Battery voltage and I wanted to see if you were correct, and to my great surprise you were more than correct. I may also state that I used your valves because they are British. I have a three-valve set with fixed crystal detector, and it is over 90 per cent. British parts, and I will back it against any similar set.

Wishing you good luck and success with Mullard valves.

Yours faithfully,

The original of this letter may be seen at office of A. Beal Pritchett Ltd.

Mullard P.M. Valves are British Made—“BUY BRITISH”

Obtainable from all Radio Dealers.

Mullard

THE · MASTER · VALVE

- 12.29 p.m.—STUDIO ORCHESTRA:
"Pere Gint Suite, Part 2" (Belleg).
- 12.30 p.m.—JACK O'HAGAN, baritone:
"Faregotten" (O'Hagan).
- 12.31 p.m.—JACK O'HAGAN, baritone:
"Molly O'Malley" (Neilson and Pearson).
- 12.42 p.m.—Stock Exchange information.
- 12.43 p.m.—STUDIO ORCHESTRA:
"Adagio and Allegro from No. 1
"Symphony".
- 12.50 p.m.—GERTRUDE HUTTON, contralto:
"To a Mistake" (Hobbs).
- 12.51 p.m.—GERTRUDE HUTTON, contralto:
"Whatever is in the Boat" (Lohr).
- 12.57 p.m.—HELENA JOHNSON, violin:
"Romance from Concerto" (Weinawski).
- 1.1 p.m.—CAPTAIN DONALD MACLEAN:
"The Battle of Lepanto".
- 1.22 p.m.—Meteorological information. Ship-
ping intelligence. Weather forecast for
Victoria, Tasmania, South Australia, and
New South Wales. Ocean forecast. River
reports. Rainfall for Victoria, Tasmania,
South Australia, and New South Wales.
- 1.30 p.m.—ETHEL FORSHAW, soprano:
"The Asia" (Rubinstein).
- 1.31 p.m.—ETHEL FORSHAW, soprano:
"Only the Waves Were Blue" (Hoffstad).
- 1.37 p.m.—STATION TROUPE:
"Brahma Hungarian Dances".
- 1.45 p.m.—GERTRUDE HUTTON, contralto:
"They Say" (Evans).
- 1.46 p.m.—"Wild Song" (Bogner).
- 1.53 p.m.—STUDIO ORCHESTRA:
"Valse Slacato" (Biastra-Horowitz).
- 2 p.m.—Description of Goldbraun Hardie,
two miles, MOONEE VALLEY RACES,
by "Muskiet" of the "Sporting Globe".
- 2.3 p.m.—Close down.
- 2.5 p.m.—Description of Derriem Handing,
six furlongs, MOONEE VALLEY RACES,
by "Muskiet" of the "Sporting Globe".
- 2.23 p.m.—Close down.
- 2.35 p.m.—LEAGUE FOOTBALL, RICH-
MOND v. COLLINGWOOD, at Richmond;
description by Mr. Rod McGregor.

AFTERNOON SESSION.

- 3 p.m.—Description of Lindsay Gordon Hand-
ing, Steeplechase, two miles three furlongs,
MOONEE VALLEY RACES, by "Muskiet,"
of the "Sporting Globe".
- 3.5 p.m.—JOE ARONSON AND HIS SYNCO-
PATING SYMPHONISTS:
"Ban the Old American Man" (Eckhardt).
- "The More We Are Together" (Campbell).
- "The Cat" (Kahle).
- "Sunday" (Miller).
- 3.24 p.m.—LEAGUE FOOTBALL, RICH-
MOND v. COLLINGWOOD, at Richmond;
description by Mr. Rod McGregor, Quar-
ter-time.
- 3.28 p.m.—Description of Glen Oza Hand-
icap, 1 1/4 miles, MOONEE VALLEY
RACES, by "Muskiet" of the "Sporting
Globe".
- 3.55 p.m.—JOE ARONSON AND HIS SYNCO-
PATING SYMPHONISTS:
"Hello Little Girl of My Dreams" (Berk).
- "Let's All Hear Fair" (Best).
- "Climbing up the Ladder of Love" (Her-
schel).
- "The Original Black Bottom" (Henderson).
- "I Didn't Know" (Swill).
- "Ruffians" (Barry).
- "Perhaps You'll Find Me" (Stane).
- "Muddy Water" (The Ross).
- 4 p.m.—LEAGUE FOOTBALL, RICH-
MOND v. COLLINGWOOD, at Richmond;
description by Mr. Rod McGregor, Half-
time.
- 4.10 p.m.—Description of Mount Cottrell
Jumpers Flat Race, MOONEE VALLEY
RACES, by "Muskiet" of the "Sporting
Globe".
- 4.15 p.m.—JOE ARONSON AND HIS SYNCO-
PATING SYMPHONISTS:
"Camille" (Ebermann).
- "You're My Way" (Hend) (Bullin).
- "Ginnee Moon" (Rubinstein).
- "Chorus, I Love You" (Goodman).
- "Because I Love You" (Beilin).
- "For My Sweetheart".
- "If You See Salt".

- 4.45 p.m.—Description of Susan Welter Han-
dlecap, seven furlongs, MOONEE VALLEY
RACES, by "Muskiet" of the "Sporting
Globe".
- 4.5 p.m.—LEAGUE FOOTBALL, RICH-
MOND v. COLLINGWOOD, at Richmond;
description by Mr. Rod McGregor, Three-
quarter time.
- 4.55 p.m.—"Herald" news service. Stock Ex-
change information.
- 5 p.m.—LEAGUE FOOTBALL, RICH-
MOND v. COLLINGWOOD, at Richmond;
description by Mr. Rod McGregor, Final
runner.
- 5.10 p.m.—Close down.
- 5.30 p.m.—Late sporting results.

EVENING SESSION.
CHILDREN'S HOUR.

- 5.40 p.m.—Answers to letters and birthday
wishes, by "LITTLE MISS KOOKA
HURRA".
- 6 p.m.—MILIE BRADSHAW:
"Songs for Children".
- 6.1 p.m.—MISS G. FLORES GREGG, B.A.,
L.R.S.
"At School in Java".
- 6.35 p.m.—THE ROYAL AUTOMOBILE
CLUB OF VICTORIA'S SAFETY MES-
SAGE FOR TO-DAY is—
"Play with fire, and fire will get you".
- 6.45 p.m.—"Herald" news service. Weather
reports. Shipping movements.
- 6.47 p.m.—Stock Exchange information.
- 6.52 p.m.—Fish Market reports, by J. E. Bee-
cher, Ltd. Rabbit prices.
- 6.58 p.m.—River reports.
- 6.58 p.m.—Market reports. Official report of
Newmarket sheep sales, by the Associated
Stock and Station Agents, Docks Street,
Melbourne. Poultry, grain, hay, straw,
jute, dairy produce, potatoes and onions.
- 7.14 p.m.—Market reports of fruit by the Victo-
rian Fruit-growers' Association (concluded) by
"The Fruit World," description to S.L.O.

NIGHT SESSION.

- 7.15 p.m.—MR. C. ELLIS will speak on:
"A.L.P. History of Egypt".
- 7.30 p.m.—MR. E. E. FESCOTT:
"Great Australian Botanical".
- 7.45 p.m.—DR. LEACH:
"Night Herons and Bitterns".
- 8 p.m.—ST. VINCENT DE PAUL'S
ORPHANAGE BAND
Selection, "W. A. Squire's Songs" (Hume).
- 8.11 p.m.—ELSA STRALLIA, soprano:
"My Lings Lady" (Phillips).
- "Scotly Awakes My Heart" (St. Saens).
- 8.13 p.m.—A Story of a TRIP TO RUSSIA,
by an Australian—Part 2.
- 8.20 p.m.—WILLIAM G. JAMES, piano re-
cital:
"The Cuckoo" (Dapino).
- "Minuet and Trio—Bessis op. 81 (Beetho-
ven).
- "Cavatelli" (Mozzini).
- "To a Water Lily" (MacDowell).
- "Gopak" (Mozzorgy).
- "Ungrateful" (MacDowell).
- 8.35 p.m.—ELSA STRALLIA, soprano:
"Angelic Gaze" (The "Gained").
- "Ten Jokes" (Geraani).
- 8.52 p.m.—ST. VINCENT DE PAUL'S
ORPHANAGE BAND:
Selection, "Land Time" (Hoffmann).
- Current solo "Homes of Bleary" (Wood).
- 9.2 p.m.—ONE-ACT PLAY:
"In the Land of Make Believe" (Smith).
James, Mary Jamieson. Harold—Stephen
Wain.
- 9.30 p.m.—ST. VINCENT DE PAUL'S
ORPHANAGE BAND:
Irish Melodics.
- 9.42 p.m.—MR. GERALD FERRINGTON
will speak on his experiences in Central
Africa.
- 9.50 p.m.—ELSA STRALLIA:
Grecian Selections.
- 9.57 p.m.—Announcements.
- 10 p.m.—CYNTHIA HALLIDAY, soprano:
"The Early Morning" (Psell).
- "Widow Song" (Ffenden).
- 10.18 p.m.—News service.

- 10.15 p.m.—ST. VINCENT DE PAUL'S
ORPHANAGE BAND:
Overture, "Tanned" (Hummel).
- Valse, "Mignolotti" (Nichols).
- 10.25 p.m.—FRANK AND FRANCES LUTZ:
Duet, "Mum's Girl".
- Solo, "Pau Mohala".
- Band Guitar, "Waltz Medley".
- Duet, "Mr. Washburn Mornin'".
- 10.35 p.m.—ST. VINCENT DE PAUL'S
ORPHANAGE BAND:
"Indian Love Lyrics".
- Temple Hells.
- Love Song, "The Dust".
- Kashmiri Song.
- THE I Wake.
- 10.45 p.m.—Late sporting results.
- 11 p.m.—ROYAL AUTOMOBILE CLUB OF
VICTORIA'S SAFETY MESSAGE FOR TO-DAY
IS FOR MOTORISTS—
"Fence-walk brakes are useless without
fence-walk drivers. Stop and think, but
don't stop thinking."
OUR GREAT THOUGHT:
"Obedience is not truly performed by the
body of him whose heart is dissatisfied
without without a kernel is not fit for
store."—Sauli.
- 11.5 p.m.—JOE ARONSON AND HIS SYNCO-
PATING SYMPHONISTS.
- 11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Saturday.

- MOORING SESSION—11 a.m. to 12 noon.
- MIDDAY CONCERT SESSION.
Transmitted from Panatrophe House, 233
Collin Street, by exclusive permission of
W. A. and F. G. Ltd., on the Brunswick
Panatrophe.
- MATINEE SESSION.
ORCHESTRAL CONCERT.
- 2.30 p.m.—Studio Orchestra.
- 2.45 p.m.—The Melodious Four, unadorned party:
Mr. Robert Allen; Mr. William Daniels,
tenor; Mr. Ralph Thompson, baritone; and
Mr. James Scott, bass.
- "Soldiers' Chorus" from "Faust" (Gounod).
- 2.49 p.m.—Studio Orchestra.
- 2.51 p.m.—Mr. Herbert Pettifer, violin:
"Rococo" (Schubert).
- 3.1 p.m.—Studio Orchestra.
- 3.20 p.m.—The Melodious Four:
"O Lovely Night".
- 3.24 p.m.—Studio Orchestra.
- 3.31 p.m.—The Melodious Four:
"The Chaper" (Truman).
- 3.35 p.m.—Studio Orchestra:
"Cobweb Castle" (Liz Lehmann).
- 3.50 p.m.—Mr. Ronald Brantley, cello:
"Larghetto" (Hansen).
- 4 p.m.—G.P.O. Clock says "Four".
- 4.1 p.m.—Mr. William Daniels, tenor, and Mr.
William Daniels, baritone:
Duet, "A Book of Verses" (Liz Lehmann).
- 4.14 p.m.—Studio Orchestra.
- 4.19 p.m.—The Melodious Four:
"The Henry" (Schubert).
- 4.24 p.m.—Studio Orchestra.
- 4.30 p.m.—Mr. James Scott and Mr. William
Daniels:
Comedy duet, "Tenor and Baritone" (by
request).
- 4.44 p.m.—Studio Orchestra.
- 4.52 p.m.—To-Adult's Entertainment.
- 5 p.m.—G.P.O. Clock says "Five".
Close down.
- CHILDRENS SESSION,
7.30 p.m.—"Trudy Mack's" Entertainment.
- EVENING SESSION.
- 7.50 p.m.—"Everyman's Garden." Mr. W. E.
Warner, President, of the Victorian Nurseries
and Seedsmen's Association:
"Flowering Shrub".
- 7.55 p.m.—Muriel, Barbara, Mavis.
Today's Evening Meeting.
- 8 p.m.—LIZ LEHMANN'S COMET.
- 8.1 p.m.—G.P.O. Clock says "Eight".
- 8.1 p.m.—Ernie's Harmony Orchestra.
- 8.10 p.m.—Mr. Frank Thomas, baritone:
"The Vagus Postman" (Challinor).
- "Zivka" (Sovaki).

All aboard!

That last screw tightened on your set may well be compared to the "All aboard" signal, and the raising of the last gangway on an ocean-going liner. Then, with everything ship-shape, you are ready to travel.

A turn of the famous ORMOND Slow Motion Dial and slowly the home country fades away . . . where are you now—Hamburg?—New York? The Hague?—Lisbon? You can steer for any port you please, and make the trip in a matter of seconds!

Ask Your Dealer for the
ORMOND S.L.F. SLOW MOTION
 (Ratio 55 : 1)
CONDENSER

Ball Bearing Friction Control. Complete with Knob Dial and Anti-capacity Shield, or with Dual Indicator Dial, which acts as Anti-capacity Shield.

WHOLESALE DISTRIBUTORS FOR VICTORIA:

Louis Coen Wireless Pty., Ltd., 269 Flinders Lane, Melbourne.
 A. G. Bealing and Co. Pty., Ltd., 324-325 Post Office Place, Melbourne.

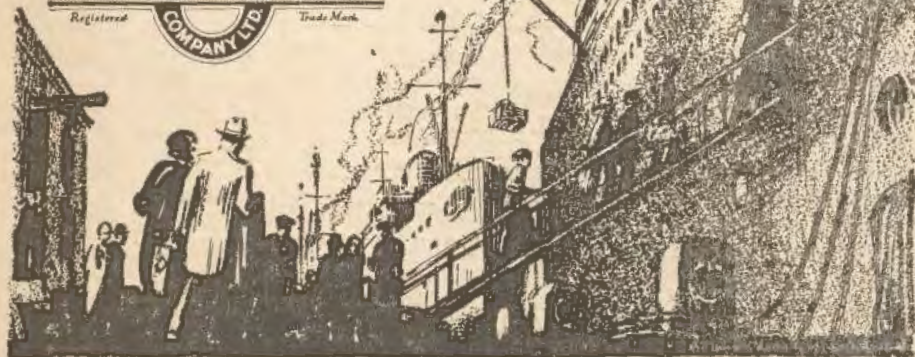
Alexander Muir and Co., Box 510, Elizabeth Street, Melbourne.

SOLE DISTRIBUTOR FOR SOUTH AUSTRALIA:

Louis Coen Wireless Pty., Ltd., Adelaide.

FACTORY REPRESENTATIVE:

John Arnold, Box B71, Degraves Street, Melbourne.



ORMOND ENGINEERING CO. LTD., 199-205, Pentonville Road, King's Cross, London, England
 Telegrams - "Ormondengi, Kinross." **FACTORIES: Whiskin St., and Hardwick St., Clerkenwell, London, England**

- 8.17 p.m.—Miss E. Rofe, violin:
"Taranella" (Papini);
"Albade" (D'Ambrosio).
- 9.24 p.m.—Evans' Harmony Orchestra.
9.34 p.m.—Miss Sylvia Van Asche, soprano:
"Mimi's Song" from "La Boheme" (Puccini);
"L'Avallion" (Barry).
- 9.45 p.m.—Evans' Harmony Orchestra.
9.52 p.m.—Mr. Ronald Nelson, Australian comedian:
"Take in the Sun" (Lewis and Woods);
"Cold Lloyd George do it?" (Wentley and Leo).
- 9 p.m.—Evans' Harmony Orchestra.
9.15 p.m.—Mr. Frank Thomas, baritone:
"The Fever" (John Ireland);
"Salman" (Lange).
- 9.20 p.m.—Mr. F. B. N. Evans, saxophone:
"Maunah" (MacMurrrough);
"God Remember when the World Forgets" (Hind).
- 9.25 p.m.—Miss Sylvia Van Asche, soprano:
"Spring Tide" (Green);
"A Request" (Flanders).
- 9.32 p.m.—Evans' Harmony Orchestra.
9.43 p.m.—Mr. Ronald Nelson, comedian:
"Baby Face" (Davis and Aki);
"Oh, what a Pal" (Burke).
- 9.50 p.m.—Evans' Harmony Orchestra.
9.54 p.m.—The "Age" News Bulletin, exclusive to 4AR.
- 10.3 p.m.—Dance Hour: Lopez's Ballroom Orchestra (direction Mr. Harry Nangle).
10.45 p.m.—To-morrow's entertainment.
- 11 p.m.—G.P.O. Clock says "Eleven."
"God Save the King."

4QG, BRISBANE

Saturday.

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

- 2.30 p.m.—A message for little listeners by Miss Watson.
- 4.10 p.m.—Close down.

EARLY EVENING SESSION.

- 6.15 p.m.—Lecture, "The French Foreign Legion," by Genie de Tournaire.
- 6.25 p.m.—Drama, "Singing," by Uncle Ben.
- 7.15 p.m.—Racing results.
- 7.25 p.m.—To-day's football play described.
- 9.20 p.m.—Sailing notes by Mr. F. Smith.

NIGHT SESSION.

VIOLIN RECITAL.

Tonight's programme will comprise the playing of a Recital from the Studio of Mr. L. A. Pares.

FROM THE STUDIO OF MR. L. A. PARES:

- 8 p.m.—Emanuele solo: "Reverie for Left Hand" (Wibichens), Miss Gertrude Anderson, violin duo; "Mimosa in G" (Bethoven), Master Leslie Hunter and Mr. Lala Pares, song; "Singing" (Bethoven), (Bethoven), Mrs. J. C. Hooper, violin solo; "The Air Vase" (Danzini), Miss Melva White, electro-ionic number, selected Mr. Philip O'Brien, Harps, violinists, duet, selected, Miss Nathan and Mr. Engelhardt, violin solo; "Les Ronds des Latins" (Bethoven), Marion Wilson, song, selected, Professor Ellis, violin duo; "Esmeralda" from Kuhl, Miss Sarah Rogers and Mr. Lala Pares, song, selected, Madame Bolhem.

FROM THE STUDIO:

9 p.m.—Meteorological weather forecast.

FROM THE STUDIO OF MR. L. A. PARES:

- 9.1 p.m.—Piano and violin duet, "La Sorellina" (Hens), Mrs. W. P. A. Gray and Mr. Lala Pares; pianoforte solo, selected, Miss Gertrude Anderson; song, "Gyaltra" (Fuchs) (Gounod), Professor Ellis; violin solo, (a) "Bendine" (Verdi), (b) "Nocturne in D" (Chopin), (Bethoven), Mr. Lala A. Pares, violin duo; "Serenade" (Widinet) Mrs. Lyst and Mr. Lala A. Pares, song; "The Swallows" (Wagner), Mr. J. C. Hooper.
- 10 p.m.—"The Sunday Mail" news; weather news; Close down.

5CL, ADELAIDE.

Saturday.

AFTERNOON SESSION.

- 1 p.m.—Relay running description of the Grand National Meeting of the Adelaide Racing Club, Limited, from Victoria Park Race Course.
- 2 p.m.—Interference with S.A. League Football sources.
- Description of the Sports V. West Adelaide match on the Under Oval.
- Progress reports of all S.A. League Football Matches.
- 2.10 p.m. (approx.)—Final scores of all S.A. League Football Matches, Hockey results, Licenses results, and local and interstate racing results.

EVENING SESSION.

- 8 p.m.—Chimes.
- 8.1 p.m.—Relay from the Maple Leaf Cafe: Orchestral selections.
- 8.45 p.m.—Children's entertainment.
- 10 p.m.—Market reports, Stock Exchange Intelligence, Retail Grocers' reports, Automobile Association bulletin.
- 2 p.m.—Chimes.

DANCE NIGHT.

- 8.1 p.m.—Ladies' Clubbers, soprano, Mary Lambie, vocal soprano, Joe Williams and G. Smith, baritone, Frank Cherron, bass.
- 8.30 p.m.—Martin Kett and his Maison Orchestra.
- Special Dance Programme.
- 8.1 p.m.—Weather report.
- 8.2 p.m.—Galaxy's wheat report.
- 9.3 p.m.—Martin Kett and his Maison Orchestra.
- 10 p.m.—Sporting information.
- 10.15 p.m.—Martin Kett and his Maison Orchestra.
- 10.51 p.m.—To-morrow's programme, weather bulletin, chimes.
- National Anthem.
- 11 p.m.—Close down.

6WF, PERTH.

Saturday.

- 12 noon—Tune in.
- 12.5 p.m.—Musical Programme, including Pianoforte selections by Miss Evelyn Willis, A.B.C.M.
- 12.55 p.m.—First Local News Bulletin supplied by courtesy of "The West Australian" Newspaper Co. Market reports supplied by the Westralian Farmers Limited, Ladies supplied by the Australian Press Association.
- 1 p.m.—Time Signal from the Perth Observatory.
- 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 1.15 p.m.—Close down.
- 1.17 p.m.—Tune in.
- 1.25 p.m.—Football results, Quarter Time reports, Racing results, Musical programme.
- 1.45 p.m.—Close down.
- 1.47 p.m.—Tune in.
- 1.50 p.m.—Leslie Petry and Ray with the "Radio Bird."
- 7.10 p.m.—Sports results by courtesy of "The Mirror" Newspaper Co.
- 7.15 p.m.—Market reports supplied by the Westralian Farmers Limited, Second Local News Bulletin supplied by courtesy of "The West Australian" Newspaper Co. Ladies by arrangements with the Australian Press Association.
- 7.42 p.m.—Talk on "Life in the Desert" by Mr. Lawson Whitlock.
- 8 p.m.—Time Signal from Perth Observatory.
- 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 8.3 p.m.—Musical programme from the studio, including Vocal Articles.
- Dance Music selected from the Commodore Dance Hall.
- 10 p.m.—Local news items supplied by courtesy of the "Daily News" Newspaper Co., Ships in range, Weather forecast.
- 10.55 p.m.—Close down.

7ZL, HOBART.

Saturday.

MORNING SESSION—11 a.m. to 12 noon.

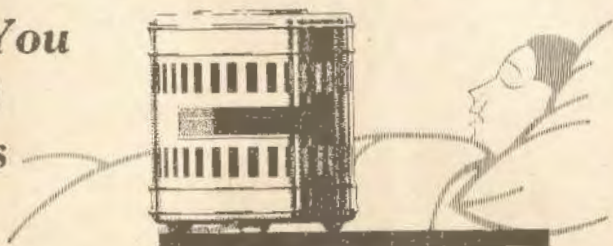
AFTERNOON SESSION.

- 3 p.m.—G.P.O. Clock Chime.
- 3.1 p.m.—From the North Hobart Cricket Ground: A full description of the North Hobart v. Cammeray League Football Match broadcast by "Snowy" March.
- EARLY EVENING SESSION.
- 6.57 p.m.—"Uncle Hector" talks to the 7ZL.
- 7 p.m.—"Big Brother" visits his Pal.
- 7.30 p.m.—Musical selection.
- 7.50 p.m.—Talk by Honourable J. C. McPherson, subject, "Industrial Tasmania."
- 7.58 p.m.—"Mercury" special Tasmanian news service and sporting results.
- Weather forecast.
- Hobart Stock Exchange quotations.
- 8.13 p.m.—Items from the Studio.
- 8.30 p.m.—Dance numbers by Mrs. Sheppard's Trio from Imperial Hotel, Hobart.
- 8.45 p.m.—Interference from the Studio.
- 10.20 p.m.—British official wireless news, Ships within wireless range.
- Weather information.
- Station announcements.
- National Anthem.

Sunday, July 31
2FC, SYDNEY

- 10.50 a.m.—Programme announcements.
- 10.55 a.m.—THE BELLS OF ST. MARY'S.
- 11 a.m.—FROM ST. MARY'S (Church of England) (DARZID) POINT:
The Morning Service.
Preacher, Canon E. Howard Lee.
- 12.15 p.m.—FROM THE STUDIO:
News service.
- 12.30 p.m.—Close down.
- AFTERNOON SESSION.
- 2.40 p.m.—Programme announcements.
- 2.45 p.m.—A Talk by Mr. S. H. Bowden on the "Football in Rome."
- 3 p.m.—"Big Ben."
- FROM THE LYCEUM HALL PITT STREET, SYDNEY:
THE SABANT HUNDAY AFTERNOON SERVICE, arranged by THE CENTRAL METHODIST MISSION, Subject, "India in Transition," Speaker, Rev. T. C. Cairns, B.A. Articles:
Mr. Stanley Kay (Bathurst).
Mr. D. Bond.
Miss Scanlon (Lyre soprano).
Mr. H. Stanger (violinist).
- 4 p.m.—"Big Ben."
- THE MANLY MUNICIPAL BAND, conducted by Mr. J. Phelous.
- 5 p.m.—"Big Ben" Close down.
- EVENING SESSION.
- 6 p.m.—"Big Ben" and programme announcements.
- 6.5 p.m.—A talk by Captain Fred Acton: "Roadways of the Ancient World."
- 6.55 p.m.—FROM THE PETERSHAM CONGREGATIONAL CHURCH:
An Organ Recital by MR. CHRISTIAN HELLMANN.
- 7.15 p.m.—FROM THE CONGREGATIONAL CHURCH, PETERSHAM:
The Evening Service.
Preacher, Rev. A. P. DORAN.
- 8.30 p.m.—THE MANLY MUNICIPAL BAND, conducted by Mr. J. Phelous.
- 8.35 p.m.—FROM THE STUDIO:
WALTER KINGSLEY, baritone:
"Heads" (Twist).
- 8.34 p.m.—LIONEL LAWSON, violinist.
- 8.35 p.m.—WALTER KINGSLEY, baritone:
(a) "You Lovely Thing" (Anderson).
(b) "Then art thou my Beloved" (Tarlton).
- 8.47 p.m.—LIONEL LAWSON, violinist.
- 9.2 p.m.—WALTER KINGSLEY, baritone:
"Oh, could I Express in Song" (Machabiah).
- 8.54 p.m.—LIONEL LAWSON, violinist.
- 10 p.m.—"Big Ben" National Anthem.

**While You
Sleep it
Charges**



"PCJJ" Model Loud Speaker,
£6/10/-



Philips "B" Battery
Eliminator, £9/15/-

The
Philips Battery Charger
*Not a Luxury —
A Necessity*

Essential for every Radio Receiver this Philips Charger cannot be regarded as an expense, but rather as a saving—both in energy and money.

The Charger is simplicity itself, just plug one lead into your power socket and the other connect to your accumulator and re-charging is commenced immediately. Nothing can go wrong. Deliberately short circuiting the output leads has no effect. It is trouble-proof in every way.

Re-charging an average accumulator costs less than threepence—the operation is silent, entirely automatic (and there are no acids to spill).

Compare this Philips Charger point for point with any other and its superiority is obvious.

At All Dealers.

£5/5/-

PHILIPS
LAMPS AND RADIO

2BL, SYDNEY

Sunday.

- 10.45 a.m.—Special news service.
 11 a.m.—Service broadcast from Graham Memorial Church, Waverley.
 11.30 a.m.—Organ recital broadcast from Randwick Presbyterian Church.
 11.40 p.m.—Bible Class conducted by Mr. W. "Gates" Bradley.
 1.15 p.m.—G.P.O. Clock and chimes, Class done.
 1.45 p.m.—Children's Service.
 7 p.m.—Service Broadcasting from Randwick Presbyterian Church.
 7.30 p.m.—From the Studio: Broadcasters Trio.
 8.0 p.m.—Miss Heather Kinnaird (contralto).
 8.47 p.m.—Mr. Bruce Carter (alto solo).
 8.54 p.m.—Mr. Roy Scriveran (baritone).
 9.1 p.m.—Miss Dulcie Hair (soprano solo).
 9.4 p.m.—Miss Phyllis Atkinson (soprano).
 9.15 p.m.—Broadcasters Trio.
 9.25 p.m.—Miss Heather Kinnaird.
 9.35 p.m.—Mr. Bruce Carter.
 9.50 p.m.—Mr. Roy Scriveran.
 9.56 p.m.—Miss Phyllis Atkinson.
 9.55 p.m.—Resume of following day's programming, and weather report.
 9.57 p.m.—Broadcasters Trio.
 10.1 p.m.—National Anthem.

2GB, SYDNEY

Sunday.

- MORNING SERVICE.
 10.30 a.m.—Music from St. Alban's Church.
 10.40 a.m.—Service from St. Alban's Church, Redfern, Surron.
 12 noon—Close down.
 EVENING SERVICE.
 6.45 p.m.—Music from Studio.
 7 p.m.—Address by Professor Ernest Wood.
 8 p.m.—Instrumental Trio.
 MISS MONICA HORDER NORMAN
 INGRAMMILLS, MISS FREEDMAN.
 8.10 p.m.—Viola Solo, MONICA HORDER.
 1. "Andante from Concerto" (Mendelssohn).
 8.25 p.m.—Piano Solo: RUTH PEARCE
 JOBS.
 8.31 p.m.—Instrumental Trio.
 MONICA HORDER NORMAN
 INGRAMMILLS, MISS FREEDMAN.
 8.40 p.m.—Talk.
 9 p.m.—Close down.

3LO, MELBOURNE

Sunday.

- MORNING SERVICE.
 10.30 a.m.—Bells from St. Paul's Cathedral.
 10.45 a.m.—Bells from St. Paul's Cathedral.
 11 a.m.—British Official Wireless news from Highgate.
 11 a.m.—SERVICE FROM SOUTH CHURCH, MELBOURNE.
 Conducted by the REV. W. BORLAND, M.A., D.D.
 Organist: W. Manley Green.
 Metrical Psalm 65, Verses 1-4.
 "Praise waits for Thee."
 Prayer.
 Prose Psalms 46 and 47.
 "God is our Refuge."
 Lesson, Isaiah 25, Verses 1-5.
 Hymn 13: Praise us Oul the King of Heaven."
 Lesson, Revelation 22, Verses 1-15.
 Anthem.
 The Lord's Prayer.
 SERMON: "No More Sea." Rev. 21/1.
 Prayer.
 Impositions.
 Offertory.
 Hymn: "Lead us, Heavenly Father, Lead us."
 Benediction.
 12.15 p.m.—Close down.
 AFTERNOON SERVICE.
 2.15 p.m.—RICHMOND CITY BAND:
 March, "Joyce" (Hovet).
 Humoresque, "Pop Goes the Weasel" (Hawkins).
 Hymn: "Nearer My God to Thee" (Crompt).
 Selection: "Mariana" (Ronald).

- Talia, "Irene" (Hume).
 March, "Old Comrades" (Toschi).
 2 p.m.—PLEASANT SUNDAY AFTERNOON SERVICE, Wesley Central Mission.
 Chairman: DR. HOBAN.
 Conductor: MR. G. M. WILLIAMS.
 Organist Selection.
 Hymn: "Jesus, the very thought of Thee."
 Hymn: "What a Friend we have in Jesus."
 Solo, MR. PERCY BLUNDELL.
 "To the Sun" (Crompt).
 Organ Selection.
 Solo, MR. PERCY BLUNDELL.
 "O Night of Stars and Splendour" (Thomson).
 Notices: Offering.
 Address: Selection.
 Address: ION, SAMUEL MAUDER.
 "AN EDUCATED DEMOCRACY"—
 Official to Progress.
 National Anthem.
 Benediction.
 4.30 p.m.—Close down.

EVENING SERVICE.

- 5.30 p.m.—Answer to Letters and Birthday Greetings by "BOBBY HULLING."
 6 p.m.—Hymns and Songs by "THE FIXED PIPERS."
 Hymn: "There is a Green Hill."
 Chorus: "Thou Knowest, Lord."
 Solo, "A Bush Lullaby."
 Chorus: "The Two Clocks."
 Solo: "It was for You."
 Chorus: "The King of Love."
 Good Night Song, "The Sandown Cope."
 6.45 p.m.—"PROFESSOR BILLY" will speak to the children: "That's no good to me."
 6.45 p.m.—Bells from St. Paul's Cathedral.

NIGHT SERVICE.

- 7 p.m.—SERVICE FROM ST. PAUL'S CATHEDRAL, Melbourne.
 Hymn 222: "Light's obdurate, essential Salem."
 Psalm 137.
 Magnificat (Bainton in D).
 Ten Lesson.
 Hymn Dimitia.
 Anthem, "Evening and Morning" (Oakley).
 Hymn 234: "As Thou Worey?"
 SERMON: THE ARCHBISHOP.
 Hymn 31: "Ascend, again to Thy dear name we raise."
 FROM THE STUDIO—
 8.20 p.m.—Shipping (afternoon).
 8.25 p.m.—MALVERN TRAMWAYS BAND:
 Conductor: Harry Shure.
 March, "Misterino" (Hume).
 Overture, "Foot and Pasant" (Hume).
 8.40 p.m.—ELEANOR STRALLA, soprano:
 "Angels Guard Thee" (Gardner).
 "There is no Death" (O'Hara).
 8.45 p.m.—MALVERN TRAMWAYS BAND:
 Conductor: Harry Shure.
 Bandstand Always and Zillies.
 8.55 p.m.—STEPHANIE DESTE and
 HOWARD EDIE:
 SHAKESPEARIAN RECITAL.
 Italian Scene from "ROMEO AND JULIET."

- 9.12 p.m.—MALVERN TRAMWAYS BAND:
 Selection: "Serenade Adam" (Hume) (Hume).
 9.24 p.m.—EISA STRALLA, soprano:
 "Munira Avia" from Boheme.
 "Coming Home" (Whitley).
 9.31 p.m.—EDOUARD LAMBERT, violin:
 Concerto, "Mendelssohn."
 "Ave Maria" (Gounod).
 9.45 p.m.—"Atmos" news service. Announcements.
 The ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY.
 MOTORISTS: "Better wait a minute at the crossing than forever at the cemetery."
 9.54 p.m.—MALVERN TRAMWAYS BAND:
 Trombone Quartet, "Dixie Parade" (by request) (Bohlscheit).
 10 p.m.—OUR GREAT TROUGHT:
 "There are two freedoms—the false, where a man is free to do what he likes; the true, where a man is free to do what he ought."
 Charles Kingsley.
 10.1 p.m.—GOD SAVE THE KING

3AR, MELBOURNE

Sunday.

- MORNING SERVICE.
 11 a.m.—Service from Cairns Memorial Church, East Melbourne, Presider, Rev. J. H. Durb, B.A., B.D.
 AFTERNOON SERVICE.
 Special Country Broadcast. Wonthaggi Union Brass Band.
 2 p.m.—A special band concert has been arranged by the Wonthaggi Union Brass Band (secretary, Mr. Jervis Williams). The concert will consist of selected items by the band in preparation for its visit to the Burns competitions will take place shortly in Tasmanian. The band will be assisted by a number of prominent Wonthaggi artists, and the whole function will be broadcasted from the town, a staff of 3AR radio engineers being out to South Gippsland for the purpose.
 CHILDREN'S SERVICE.
 6 p.m.—Music, song, and story for the little ones. The entertainment conducted by "Ladybird."

EVENING SERVICE.

- 7 p.m.—Special service from the Brunswick Road Methodist Church, Presider, Rev. David Lewis.
 EVENING CONCERT FROM THE STUDIO.
 8.30 p.m.—Miss Ade Freeman, piano:
 "Romance in E Flat" (Rubenstein).
 "Concert Study in C" (Rubenstein).
 8.50 p.m.—Miss Gladys MacDowell, contralto:
 "Softly awakes my heart" (Saint Saens).
 8.45 p.m.—Madame Bella Whitley, violin:
 "Minuet" (Faderwald-Kreidler).
 "Evening Song" (Schumann).
 8.55 p.m.—Miss Gwen Selva, soprano:
 Aria from "Lucia di Lammermoor" (Donizetti), request.
 9 p.m.—Miss Ade Freeman, piano and Madame Bella Whitley, violin:
 "Finale in E Major" (Boethoven).
 9.8 p.m.—Miss Gwen Selva and Gladys MacDowell:
 Duet, "Ave Maria" (Mozart).
 "Soft Dreams" (Mozart).
 9.10 p.m.—Miss Ade Freeman, piano:
 "Etude" (Liszt).
 "Waltz in A Flat" (Brahms).
 9.24 p.m.—Miss Gladys MacDowell, contralto:
 "Summer Rain" (Charles Whitley).
 "On wings of song" (Benedictson).
 9.25 p.m.—Madame Bella Whitley, violin:
 "Three dances, Hourly VIII." (Grieg).
 9.27 p.m.—Miss Gwen Selva, soprano:
 "Serenade" (Schubert).
 "Cacilides" (Valdevez).
 9.44 p.m.—Misses Gwen Selva and Gladys MacDowell:
 Duet, "Inaccessible" from Tales of Hoffman, by request.
 9.50 p.m.—"Age" news bulletin, exclusive to 3AR.
 9.55 p.m.—Close Down.

4QG, BRISBANE.

Sunday.

- MORNING SERVICE.
 ST. ANDREW'S CHURCH OF ENGLAND.
 The complete morning service will be relayed from St. Andrew's Church of England, South Brisbane.
 FROM ST. ANDREW'S:
 10.30 a.m.—Organ music, Mr. E. W. Taylor.
 11 a.m.—Hymn 108, "When I Survey" (Woods).
 Solo: Macfarren—Psalm 31: "To Thee Alone" (Woods).
 Benediction (Barbery).
 Anthem, "Lord of All Power and Might."
 Hymn 108: "Conquering King" (Hymn by the Pastor, Hymn 238, "Praise My Soul," Close down.
 AFTERNOON SERVICE.
 BRISBANE CITIZENS' BAND.
 The concert by the Brisbane Citizens' Band will be relayed from the Botanic Gardens.
 FROM THE BOTANIC GARDENS.

The G. & R. Receiver

Faultless Servant of Radio's Invisible Audience



Single Dial Control
Is Radio's Greatest Achievement
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 sensitiv-
ity for distance-getting. A
tonal quality that is a
revelation and of excep-
tional importance for
Perfect Reproduction. One
illuminated drum tunes in
Interstate Stations. Volume
controllable.

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



The G. & R. V

The cabinet, as shown above, is a masterpiece, size 28 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 interstate 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. Valves, no other
Accessories £29/0/-
Price, with Accessories complete, £39/10/-

Sole Agents to the Trade:—
Manufacturers' Products Pty.,
LIMITED.

Challis House - - Sydney

Manufactured by:—

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



8.14 p.m.—Band concert.
8.30 p.m.—Close down.

NIGHT SESSION.

ST. ANDREW'S CHURCH OF ENGLAND.
The complete evening service will be relayed from St. Andrew's Church of England, South Brisbane.
7 p.m.—Children's service; organ music; hymn 194, "Jesus, Rock and Centre"; Bible story; the Pastor; hymn 500, "Do No Sinful Action"; special prayers; hymn 348, "Now the Day is Over."
7.25 p.m.—Organ music.

7.30 p.m.—Hymn 24, "Sing of My Soul"; Psalm 31, evening; Magnificat and Nunc Dimittis (Wholesaler in F); anthem, hymn 310, "Hundred Father"; sermon by the Pastor; hymn 101, "Onward, Christian Soldiers"; "Resurrection Amen"; organ music. Concludes.

RADIO CONCERT.

At the conclusion of the church service the Concert by the Brisbane Municipal Concert Band (conductor, Mr. E. Jackson) will be relayed from Wickham Park. The programme will include: Overture, "La Reine d'Un Jour" (Adam); selection from "Faust" (No. 2—Gounod); "March and Procession of Bacchus"—from "Sylvia" (Delibes).
8.30 p.m.—Close down.

5CL, ADELAIDE.

Sunday

MORNING SESSION.

11 a.m.—Chimes.
11.1 a.m.—Relay from St. Bartholomew's Church; Divine Service.
12.15 p.m.—Close down.

AFTERNOON SESSION.

1 p.m.—The Ballarat Orchestra in a programme of classical music. Assisted by Margerie Walsh (soprano), and Signor Torre (dramatic baritone).
4.30 p.m.—Close down.

EVENING SESSION.

8.30 p.m.—Chimes.
8.31 p.m.—Sunday Service by Uncle Radio.
9 p.m.—Relay from Maughan Church; Divine Service.
8.15 p.m. (approximately)—Relay Malton De House Orchestra, in a programme of operatic numbers, assisted by Signor Rigazzi (tenor), and Aileen Newby (soprano).
9 p.m.—From the Studio.
9.1 p.m.—Mr. H. H. Nicholls. Talk on "Ignorance Lullaby."
9.15 p.m.—Relay Malton De House Orchestra. "To-morrow's" programme. Studio announcements. Weather bulletin.
10 p.m.—Chimes. National Anthem.

6WF, PERTH.

Sunday

10.45 a.m.—Tune in.
11 a.m.—Morning Service relayed from the Wesley Church.
Preacher, Rev. J. W. Grove, M.A., LL.B.
12.15 p.m.—Close down.
2.30 p.m.—Tune in.
2.45 p.m.—Concert from the Studio.
Musical items—Selected.
Musical assisting Artists.
3 p.m.—Close down.
7 p.m.—Tune in.
7.15 p.m.—Bedtime stories for the kiddies by Mr. J. A. Klein.
7.30 p.m.—Evening Service relayed from the Lake Street Church of Christ, Perth.
8.45 p.m.—From the Studio.
9 p.m.—Concert by the R.S.L. Band, conductor, Mr. J. H. Geary.
9.30 p.m.—Ships within range.
10 p.m.—Close down.

7ZL, HOBART

Sunday

MORNING SESSION.

11 a.m.—Service from Memorial Congregational Church, Hobart.
Preacher, Rev. Arthur C. Nelson.
Bible express information at conclusion of Church Service.
11.15 p.m.—Close down.

AFTERNOON SESSION.

2.50 p.m.—Pleasant Sunday Afternoon Concert from the Studio.
4.30 p.m.—Close down.

EARLY EVENING SESSION.

6.55 p.m.—"Big Brother" chess on hit Feb.

NIGHT SESSION.

7 p.m.—Service from St. David's Cathedral, Hobart.
Preacher, The Bishop.
Psalm 37. Hymns 277, 228. (Organ music.)
At conclusion of Church Service, Concert from the Studio:
Miss Mary Page (clownician).
Miss Winnie Shield (pianist).
Miss M. Beattie (soprano).
Miss Jessie Ikin (soprano soprano).
Mr. T. Doe (baritone).
8.40 p.m.—"Mercury" special interlute radio service.

British official wireless news.
Ships within wireless range.
9 p.m.—Weather forecasts.
Studio announcements.
National Anthem.

Monday, August 1
2FC, SYDNEY.

EARLY MORNING SESSION.

7 a.m.—"Big Ben," and programme announcements.
7.5 a.m.—Studio music.
7.15 a.m.—(COUNTRY SESSION): Official wireless news, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
7.25 a.m.—Investment market, mining share market, metal quotations.
7.35 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.

10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Studio music.
10.10 a.m.—"Sydney Morning Herald" news service.
10.30 a.m.—Studio music.
10.35 a.m.—Last minute sporting information by the JFC Racing Commissioner.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben."
11.15 a.m.—A.P.A. and Reuters's Cables.
11.30 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange, first call.
12.3 p.m.—Official weather forecast, rainfall.
12.45 p.m.—Studio music.
13.10 p.m.—Summary of "Sydney Morning Herald" news service.
13.25 p.m.—Rugby wireless news.
Studio music.
13.30 p.m.—Marching music for school children.
13.40 p.m.—INA THORNTON, mezzo-soprano ("O'Hara").
13.45 p.m.—Studio music.
1 p.m.—"Big Ben."
Weather intelligence.
1.15 p.m.—"Evening News" midday news service.
Professors' Distributing Society's Report.

1.15 p.m.—FROM THE SYDNEY TOWN HALL (by special arrangement with the City Council): The church of a series of Midday Organ Recitals by the City Organist, ERNEST TRUMAN:
(a) "Fired in His Everlasting Seat" (Haskell).

(b) "Nirvana" (Adams).
(c) Introduction, "Coppelia" (Delibes).
(d) "Gavotte in A" (Eclair).
(e) "Chaconne" (Liszt).
1.40 p.m.—FROM THE STUDIO:
Stock Exchange, second call.
1.55 p.m.—INA THORNTON, mezzo-soprano—"Just one little word" (Brown).
1.55 p.m.—Studio music.
2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

2 p.m.—"Big Ben," and announcements.
NOTE: Further race descriptions will be given direct from the course at Canterbury Park throughout the afternoon, by the JFC Racing Commissioner.
During racing intervals the following artists will be heard:
"THE WESTWIND SYMPHONIC DANCE ORCHESTRA."
FROM THE STUDIO:
Jeanette Rooney, contralto:
(a) "Awakenings" (Aaron).
(b) "Beloved Sleep" (Eclair).
FROM THE OAK HALL TEA ROOMS:
2.40 p.m.—Florence Grant, soprano:
and (a) "Nymphs and Fauns" (Berg).
4.20 p.m.—(b) "The Heart's Awakening" (Nettelbey).
4 p.m.—Dorothy Benbow, contralto:
and (a) "Carrillon" (Martin).
4.40 p.m.—(b) "The Heart still clings to the Rows" (Forsier).
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—THE WESTWORTH SYMPHONIC DANCE ORCHESTRA.
Conductor, Mr. Cyril Kaye.

8 p.m.—"Big Ben."
Close down.

8 p.m.—"Big Ben."
Close down.

8.45 p.m.—"Chimes of EPC."
5.50 p.m.—The "Hello Man" talks to the children.
6.30 p.m.—Story time for the young folks.
6.40 p.m.—Glee music.
7 p.m.—"Big Ben." Late sporting news.
7.10 p.m.—Dagley's market reports (wheat, wheat and stock).
7.15 p.m.—Fruit and vegetable markets.
7.20 p.m.—Shipping and weather intelligence.
7.25 p.m.—"Evening News" late news service.

7.30 p.m.—"Big Ben."
Close down.

7.40 p.m.—PROGRAMME ANNOUNCEMENTS.
7.45 p.m.—M. MAURICE BYRN:
A talk in French.
"La Santa" (Heubli).
8 p.m.—"Big Ben."
FROM THE HAYMARKET THEATRE, SYDNEY:
The Haymarket Operatic Orchestra of 20 members, under the baton of Mr. Stanley Parker.

8.15 p.m.—FROM THE WAHROONGA TOWN HALL:
Items from the Annual Concert by the North Sydney Orpheus Club, including items by the new bass baritone:
LAURENCE MACALMAY:
(a) "The Lute Player" (Allibon).
(b) "A King's Man" (Hillman).
8.45 p.m.—FROM THE STUDIO:
Mrs. M. Holman (in the first of a series of Radio Lectures):
No. 1, "Notabilities of the House of Commons."
8 p.m.—E. P. Kerry, cornet solo.

8.5 p.m.—FROM THE HAYMARKET THEATRE, SYDNEY:
A Musical Act by "Bryson and Carleton."
8.50 p.m.—FROM THE STUDIO:
Madame Evelyn Grigg, pianist, will continue her musical talks on Negro Spirituals, including the following items:
(a) "Gwiney lay down mah burden" (Thomas).
(b) "Little David, play on your Harp" (Burleigh).

The Superlative
MAGNAVOX
 ACCESSORIES

Improve to an almost incredible extent any Radio Set.



Remember, the Valve is the heart of your Set—
 it can make or mar the reception.

The Magnavox Valve

Not only gives more power to your Set, but permits greater volume without distortion. That means, you also reach more stations. At all times it makes reception sharp-cut, clear, distinct. In long-life, in quality of performance, Magnavox Valves give you full satisfaction. They are manufactured to the same precise standards of quality that have made Magnavox Sets and Loud Speakers the talk of the Radio World.

201	A Type Valve	-	-	-	-	10/6
171	Type Power Valve	-	-	-	-	25/-

A history-making achievement quite as marvellous as the original Loud Speaker, which was also a MAGNAVOX.

The New Magnavox Cone Speaker

Made under exclusive patents, the Magnavox people believe this new cone Speaker to be the ultimate. It reproduces the entire tonal scale—and does it with realistic fidelity. Each note—from booming bass to soaring treble—comes in with crystal-like clearness.



The "Stanford" Model £5/10/-

Finished in two-toned Mahogany Cabinet, 10½in. high, 15 3/8in. wide and 6½in. deep.

The "Cornell" Model £3/15/-
 (As Illustrated.)

Artistic non-resonant metal finish, 11in. high, 9½in. wide, and 4½in. deep.

See and hear them Demonstrated in the Special Audition Rooms.

Illustrated Booklets of Magnavox Products Post Free on Request.

If Radio reception in your home is not all that it should be, the MAGNAVOX Accessories will go far toward improving it.

Mick Simmons Ltd.

"The World's Greatest Sports Store"

Headquarters: HAYMARKET :: SYDNEY
 AND AT BRISBANE

- 9.27 p.m.—E. P. KERRY, concert solo.
- 9.35 p.m.—Music Competition No. 1, in which Mr. Ewart Chapple will play selections from a well-known musical work and listeners are invited to send in their solution.
- 9.40 p.m.—FROM THE WAHROONGA TOWN HALL.
Further items from the Annual Concert by the North Sydney Orphan Club, including numbers by the new lads baritone LAURANCE MACAULAY.
(a) "Bark from the Sea" (Gwynne).
(b) "Incidental" (Haskin).
- 10 p.m.—"Big Ben."
FROM THE STUDIO:
E. P. Kerry, concert solo.
- 10.5 p.m.—MADAME EVELYN GRIGG.
Continuation of the musical treatise on Negro Spirituals, including the following numbers:
(a) "Homesick I feel like a motherless child" (Burleigh).
(b) "To me, O Lord" (Burleigh).
- 10.15 p.m.—THE HAYMARKET THEATRE ORCHESTRA.
Conductor, Mr. Stanley Parker.
- 10.30 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA (under the baton of Mr. Cyril Kaye), on the occasion of the Polo Ball.
10.35 p.m.—Late news and announcements.
- 11 p.m.—"Big Ben."
THE WENTWORTH SYMPHONIC DANCE ORCHESTRA (conducted by Mr. Cyril Kaye).
- 11.30 p.m.—National Anthem.
Close down.

2BL, SYDNEY

Monday.

- EARLY MORNING SESSION.
- 7 a.m.—G.P.O. Clock and Chimes.
Metropolitan weather forecast.
- 7.2 a.m.—State weather report.
- 7.5 a.m.—News service.
- 7.10 a.m.—G.P.O. Clock and Chimes.
- 7.15 a.m.—Fruit Market Report.
- 7.18 a.m.—Vegetable Market Report.
- 7.20 a.m.—Dairy Farm Produce Market Report.
- 7.25 a.m.—Poultry Market Report.
- 7.35 a.m.—News service.
- 7.40 a.m.—G.P.O. Clock and Chimes.
Musical programme from Studio.
- 7.50 a.m.—News service.
- 7.45 a.m.—Boats in mail by wireless.
- 8.45 a.m.—Mail information, shipping arrivals and departures and Port Director.
- 7.45 a.m.—G.P.O. Clock and Chimes.
- News.
- 8 a.m.—G.P.O. Clock and Chimes.
Close down.
- MORNING SESSION.
- 9.10 a.m.—G.P.O. Clock and Chimes.
Musical programme from Studio.
- 10.40 a.m.—News service.
- 10.50 a.m.—Musical programme from the Studio.
- 11 a.m.—G.P.O. Clock and Chimes.
Announcements.
- 11.5 a.m.—Musical programme from the Studio.
- 12.15 a.m.—Talk on "Tomato" by Miss Varley.
Broadcasters' Women's Sports Authority.
Social Notes: Replies to correspondents by Mrs. Jordan.
Talk on "Your Health and Your Breakfast" by Mrs. Jordan.
- 12 noon.—G.P.O. Clock and Chimes.
Special Ocean Forecast and Weather Report.
- 12.15 p.m.—Musical programme from the Studio.
- 12.15 p.m.—Information | Mail, Shipping and Port Director.
- 12.20 p.m.—Boats in mail by wireless.
- 12.25 p.m.—Fruit Market Report.
- 12.32 p.m.—Vegetable Market Report.
- 12.35 p.m.—London Metal Market Report.
- 12.39 p.m.—Dairy and Farm Produce Market Report.
- 12.50 p.m.—G.P.O. Clock and Chimes.
Foreign Market Report.
- 12.55 p.m.—Fish Market Report.
- 12.54 p.m.—Rabbit Market Report.

- 12.55 p.m.—News from the "Sun."
- 12.55 p.m.—Hillless Instrumental Quartet.
Direction, Carl Costello.
- 1.30 p.m.—G.P.O. Clock and Chimes.
Talk to Children and special entertainment for Children in Hospital.
- 2 p.m.—G.P.O. Clock and Chimes.
Close down.
- AFTERNOON SESSION.
- RACING INFORMATION BROADCAST IMMEDIATELY AFTER EACH RACE BY COURTESY OF THE "SUN."
- 2 p.m.—G.P.O. Clock and Chimes.
News from the "Sun."
- 2.15 p.m.—Musical programme from the Studio.
- 2.30 p.m.—G.P.O. Clock and Chimes.
Talk on "The Great Composers."
- 3 p.m.—G.P.O. Clock and Chimes.
Musical programme from the Studio.
- 4.15 p.m.—Special Story.
- 4.40 p.m.—Musical programme from the Studio.
- 4.45 p.m.—News from the "Sun."
- 4.50 p.m.—Racing resume.
- 5 p.m.—Resume of night's programme.
- 5.15 p.m.—Announcements and What's on.
- 5.30 p.m.—Special Ocean Forecast.
- 6 p.m.—G.P.O. Clock and Chimes.
Close down.
- EARLY EVENING SESSION.
- 6.45 p.m.—G.P.O. Clock and Chimes.
Uncle Sam and the Kuddies.
- 8.00 p.m.—Musical programme from the Studio.
- SPECIAL COUNTRY SESSION.
- 7 p.m.—G.P.O. Clock and Chimes.
Australian Meritans Land and Finance Co.'s Report.
Weather Report and Forecast by courtesy of Govt. Meteorologist.
Producers' Distributing Society's Fruit and Vegetable Market Report.
Stock Exchange Report.
Grain and Poultry Report ("Ban").
Dairy Produce Report ("Sun").
- 7.15 p.m.—Country news from the "Sun."
- 7.30 p.m.—Talk on "Fennel" by Dr. Mellish.
- News.
- 8 p.m.—G.P.O. Clock and Chimes.
Close down.
- EVENING SESSION.
- 8 p.m.—G.P.O. Clock and Chimes.
Broadcasters' Topical Chime.
- 8.30 p.m.—The Newtown Band Broadcast from Industrial Hall, Newtown.
- 8.35 p.m.—Mr. Bernard Huberts (Dramatic) and co-venturer at the piano.
- 8.50 p.m.—Broadcasters' All-Sports Expert will talk on General Sporting.
- 9.45 p.m.—The Leone Vocal Trio.
- 9.55 p.m.—Miss Grace Quire (descriptive article).
- 9 p.m.—G.P.O. Clock and Chimes.
Weather Report and Forecast by courtesy of Mr. C. J. Mara, Govt. Meteorologist.
- 9.25 p.m.—Sud and Holly Dues in a Medley of Jazz.
- 9.25 p.m.—Miss Ella Drummond (soprano).
- 9.25 p.m.—Mr. Phil Mountain (comedian).
- 9.30 p.m.—The Newtown Band.
- 9.35 p.m.—Resume of following day's programme.
- 10 p.m.—G.P.O. Clock and Chimes.
Mr. Bernard Huberts.
- 10.15 p.m.—The Leone Vocal Trio.
- 10.14 p.m.—News item by courtesy of the "Sun" Newspapers.
- 10.20 p.m.—Miss Grace Quire.
- 10.25 p.m.—News item by Mrs. Jordan.
- 10.40 p.m.—Miss Ella Drummond.
- 10.45 p.m.—Mr. Phil Mountain.
- 11 p.m.—G.P.O. Clock and Chimes.
National Anthem.

2GB, SYDNEY

Monday.

- MORNING SESSION.
- 8 a.m.—Music.
- 9.5 a.m.—"Cherish" Talk.
- 9.15 a.m.—Music.
- 9.25 a.m.—Psychological Class.
- 9.40 a.m.—Music.
- 9.45 a.m.—Health and Diet.
- 10 a.m.—Close down.

AFTERNOON SESSION.

- 3.00 p.m.—Music.
- 3.31 p.m.—Mr. Walter Hunt.
- 3.52 p.m.—Music.
- 4.7 p.m.—McLennan.
- 4.25 p.m.—Music.
- 4.30 p.m.—Close down.
- EVENING SESSION.
- 6.30 p.m.—Children's Session.
- 7 p.m.—Music.
- 7.15 p.m.—Address.
- 7.15 p.m.—Music.
- 7.30 p.m.—Address.
- 7.40 p.m.—Music.
- 7.40 p.m.—Address.
- 7.55 p.m.—Announcements.
- 7.55 p.m.—Songs by Mr. F. J. Todd.
- 8.5 p.m.—Address.
- 8.20 p.m.—Della Solo. MURIELLE LANG.
"Kil Meit" (Ma. Trob).
- 8.25 p.m.—Musical Monologues by Mr. J. K. Powell.
- 8.55 p.m.—Instrumental Quartet:
DAN SCULLY, MONICA HORDER,
ADA BROOK.
- 9 p.m.—Address by Mr. J. K. Powell.
- 9.10 p.m.—Songs by Mr. F. J. Todd.
- 9.25 p.m.—Piano Solo. ADA BROOK.
"Parillon" (Lauva).
2. "Gavotte" (Cluck-Drappes).
- 9.30 p.m.—Sonata for two violins and piano, by Handel.
- DAN SCULLY, MONICA HORDER,
ADA BROOK.
- 9.55 p.m.—Talk.
- 10 p.m.—Close down.

3LO, MELBOURNE.

Monday.

- MIDDAY SESSION.
- 12 noon.—Time Signal; British Official News from Reuters.
- 12.20 p.m.—FRANK AND FRANCES LUIZ.
Songs: "In a Garden of Paradise," "Sole Guitar," "Ha Lona."
- 12.30 p.m.—Miss Eileen Hawaiian Hala Girl.
- 12.35 p.m.—STUDIO ORCHESTRA:
"Queen of Autumn" (Bace).
12.40 p.m.—Stock Exchange Information.
- 12.45 p.m.—ETHEL FORESHAW, Soprano:
"Where the Bee Sucks" (Sullivan).
"Songs My Mother Taught Me" (Ferry).
12.50 p.m.—MYRTLE ROBERTSON, Violin:
"Source" (Bace).
- 12.55 p.m.—STUDIO ORCHESTRA:
"Two Light Symphonized Forces" (Coates).
1.30 p.m.—NORMAN BRADSHAW, Tenor:
"Come Into the Garden, Maid" (Balfé).
"A Barrio Song" (Homer).
- 1.15 p.m.—Meteorological Information: Shipping Intelligence; Weather Forecast for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Reports; Halfday for Victoria, Tasmania, South Australia and New South Wales.
- 1.25 p.m.—ETHEL FORESHAW, Soprano:
"The Three Gossips" (Liszt).
"Oh! Sweet Day" (Bridge).
- 1.35 p.m.—STUDIO ORCHESTRA:
"As Dawning" (Gulman).
"The Serevian" (Elmer).
1.40 p.m.—NORMAN BRADSHAW, Tenor:
"Star" (Rogers).
"Red Devil by the Sea" (Clarke).
- 1.45 p.m.—STUDIO ORCHESTRA:
"The Gravel Dues" (Hemlock).
- 2.5 p.m.—Close Down.
Results of the Richmond Pony Races will be given as they come to hand.

AFTERNOON SESSION.

- 2.6 p.m.—STUDIO ORCHESTRA:
"In a Lover's Garden" (Kerby).
- 2.10 p.m.—MRS. D. SILK:
"Hemlock."
- 2.35 p.m.—LO MELBOURNE has much pleasure in introducing to listeners for the first time in Australia:
MILDRED AND CONNIE, English Instrumentalists:
Piano and Violin Song, "Clap Hands"
Harp and Violin, "Because I Love You"
Accordion Medley.
3.35 p.m.—STUDIO ORCHESTRA:
"Sillyness" (Gabriel Marie).



"Truest to nature" CLARITONE Speakers stand far ahead among all the newest things in Radio. Their greater tone range brings in the extreme high and low notes that make voices sound real and reproduce the subtlety and quality of instrumental music.

The human speaking voice is interpreted with unusual richness and freedom from metallic vibrations. And distortionless volume is another advantage ensured by CLARITONE Speakers. You've got to hear CLARITONE before you can really understand why they are "truest to nature."

WELDON ELECTRIC SUPPLY CO. LTD.

352 KENT STREET, SYDNEY

Suppliers of Everything in Radio and Electrical Equipment

The SENIOR CLARITONE (illustrated) is priced at only £3/10/-. Other CLARITONES (listed opposite) reflect the same unusual value.

If your Radio Dealer is unable to supply Claritone equipment, write us direct, mentioning his name.



The JUNIOR CLARITONE (W267), £3/10/-. The Reflex CLARITONE Statuette, a super reflex model, £17/10/.

CLARITONE Headphones, 21/-.

DEALERS NOTE!
Write us for particulars of our special trade proposition.

- 3.45 p.m.—ELSA STRALIA, Soprano: "A Heart That's True" (Robin).
- "Because I Love You" (Berlin).
- 3.50 p.m.—MILLY HUNT, Violinist: "Trelude" (Adagio-Allegro Spiritoso), from Old English Sonata (John Stanley).
- "The Colum" (Old Irish Air).
- "Let the Crown to the Kingdom" (Old English Air).
- 4.0 p.m.—ELSA STRALIA, Soprano: "Mimi Aria" (Beberne).
- "Fate Room" (L. B. King).
- 4.1 p.m.—WALTER SMITH, Cornet: "Atlantic Zenith" (Stumpp).
- 4.2 p.m.—FRANK AND FRANCES LULL: Song: "Pua Nani".
- Steel Guitar, "Hawaiian Lullaby".
- Duet, "Honolulu, I Love You".
- 4.25 p.m.—STUDIO ORCHESTRA: "Gypsy Ball" (Pierce).
- 4.40 p.m.—MISS FLOKA PELL, Inspector of Schools: "Venezia Economy".
- 4.45 p.m.—"Herald" News Service: Black Exchange Information.
- 5.0 p.m.—Close Down.

EVENING SESSION.

- 5.30 p.m.—Acceptance for MELBOURNE HUNT CLUB RACES at MOONBE VALLEY, 3rd August.
- 5.31 p.m.—Answers to Letters and Birthday Greetings, by "LITTLE MISS KOOKA-BURRA".
- 5.40 p.m.—MILBRED AND CONNIE are two instrumentalists, who will play for the children on all sorts of instruments. Just one listen.
- 5.45 p.m.—FREDA NORTHCOTE: "When I'm a Grown Up Lady" (Fisher).
- "Night Valera" (Willey).
- 5.47 p.m.—MADGE GAILLON and MARION BUNCLAIN: Story, "Hicknackers and Hacknackers".
- Music, "March of the Dwarfs" (Geig). "Dwarfs of the Mountain" (Carroll). "Dwarf Land" (McDowell).
- 5.52 p.m.—FREDA NORTHCOTE: "Three Green Bunnies" (Hardford).
- "Little Blue" (Miss Jones).
- 5.55 p.m.—Official Report of Newmarket Stock Sales, by the Associated Stock and Station Agents, Bourke Street, Melbourne—number of sheep and cattle drawn for week's sale.
- 5.58 p.m.—"Herald" News Service: Weather Synopsis; Shipping Movements.
- 5.59 p.m.—Black Exchange Information.
- 5.57 p.m.—Fish Market Reports by J. R. Borrett Ltd., Rabbit Price; Skin Reports by the Melbourne Wool Brokers.
- 6.0 p.m.—River Reports.
- 6.1 p.m.—Market Reports of Fruit by the Victorian Fruitgrowers' Association, compiled by "The Fruit World".

NIGHT SESSION.

- 7.15 p.m.—Under the auspices of the Develop. Australia League, Mr. J. J. WALDRON: "Central Australia".
- 7.30 p.m.—Mr. E. H. TAYLOR: "School Days and School Sport".
- 7.45 p.m.—Under the auspices of the Department of Agriculture, Mr. R. H. WARDLE, Veterinary Officer: "Lamb Marking".
- 8.0 p.m.—Rev. E. G. NICHOLS will speak on "St. Mark's Social Settlement—Pitrow".
- 8.1 p.m.—STUDIO ORCHESTRA: "The Green Eye of the Yellow God" (Kapya).
- 8.15 p.m.—RUTH HUXHAM, Soprano: "She Wore a Wreath of Roses".
- 8.16 p.m.—JOHNNY MARKS, Comedian: "I See You've Got Your Old Brown Hat On".
- 8.19 p.m.—STUDIO ORCHESTRA: Quadrilles, "Bonnie Dundee" (D'Albert).
- 8.21 p.m.—EDITH HUXHAM, Soprano: "Dear Heart".
- 8.20 p.m.—BENN MILLER, Bass: "Romany Lane".
- 8.25 p.m.—STUDIO ORCHESTRA: Polka, "The Drum Major" (Barna).
- 8.30 p.m.—OBIRIXON CHORISTERS: "John Peel".
- "My Bonnie is o'er the Ocean".
- "Sweet Genevieve".
- 8.40 p.m.—STUDIO ORCHESTRA: "Highland Schottische".

- 8.55 p.m.—MADOLINE KNIGHT, Contralto: "Remember Me No More".
- "Ten Bells".
- 9.1 p.m.—STUDIO ORCHESTRA: "General Lancers".
- "Madam, I Fear".
- 9.2 p.m.—JOHNNY MARKS, Comedian: "On Ed's Musical".
- 9.30 p.m.—ORPHEAN CHORISTERS: "Silver Threads Among the Gold".
- "Little Brown Jug".
- 9.45 p.m.—ORPHEAN CHORISTERS: "Little Brown Jug".
- 9.46 p.m.—STUDIO ORCHESTRA: "General Lancers".
- 9.51 p.m.—JOLLY BURDET, Contralto: "Lover's Old Sweet Song".
- 9.57 p.m.—ALFRED ANDREW: "When You and I Were Young, Maggie".
- 10.00 p.m.—STUDIO ORCHESTRA: "The Coro" (Lath).
- 10.10 p.m.—JOHNNY MARKS, Comedian and "Waahlooloo".
- 10.30 p.m.—LUCY HUXHAM, Tenor: "Mag As Revolt".
- 10.45 p.m.—STUDIO ORCHESTRA: "Veneziana" (Montgomery).
- 10.51 p.m.—EDITH HUXHAM, Soprano: "When O'er the Mountains".
- 10.55 p.m.—ORPHEAN CHORISTERS: "Old Black Joe".
- 10.57 p.m.—STUDIO ORCHESTRA: "The Albert Quadrilles" (Moffatt).
- 10.5 p.m.—BENN MILLER, Bass: "Queen of the Earth".
- 10.8 p.m.—BENN MILLER and HUGH HUXHAM: "Lairdward Waah".
- 10.11 p.m.—"Herald" News Service: Miscellaneous Information; Announcements.
- 10.23 p.m.—STUDIO ORCHESTRA: Waltz, "Booting on the Lomnie".
- 10.25 p.m.—ORPHEAN CHORISTERS: "Good Night, Ladies".
- "Bank o' Loch Lomond".
- 10.35 p.m.—STUDIO ORCHESTRA: "Royal Irish Quadrilles".
- 10.45 p.m.—ORPHEAN CHORISTERS: "Junitia" and "John Brown".
- 10.51 p.m.—JOHNNY MARKS, Comedian: "Establin'g".
- 10.52 p.m.—SEBASTIAN QUARTETTE: "Establin'g".
- 10.54 p.m.—JOE BOWSON and HIS SYNGRATING: (SINGERS): "Reaching for the Moon" (Davis).
- "That's My Girl".
- "St. Louis Blues" (Hanks).
- 11.0 "Glad to tell me make yourself remarkable by some talent or other; yet do not devote yourself to one branch exclusively. Strive to get clear notions about all. Give up science entirely, for science is but one."—Sapae.
- 11.0 p.m.—JOE BOWSON and HIS SYNGRATING: SYMPHONISTS: "There is a Green Hill".

3AR, MELBOURNE

Monday.

- 11.00 p.m.—MORNING NEWS SESSION. 11 a.m. to 12 noon.
- MIDDAY CONCERT SESSION. Transmitted from Fitzroy House, 252 Collins Street (by exclusive permission of Wills and Paton, Ltd.), on the Brunswick Parade.
- 12.0 p.m.—Mr. Bramley Williams, Noted English Entertainer: "The Caretaker" (Winter).
- "The Green Eye of the Yellow God" (Kapya).
- 12.5 p.m.—Park Lane Orchestra: "Fox Trot, 'Sweet Thing' (Verace).
- "Fox Trot, 'Cover Me Up with Sunshine" (Vocal).
- 12.15 p.m.—Mr. Edgar Coyle, Baritone (with string quartette and Cor Anglo): "Linden Lea" (Williams).
- "Alone" (Gale).
- 12.31 p.m.—Colinet's Orlet (Conducted by J. R. Squier): "Nearer, My God, to Thee" (Jewla Carey).
- "There is a Green Hill" (Squire).

- 12.35 p.m.—Mr. Mario Chamie, Tenor (with Orchestral): "John Hime" (Fisher).
- "Liebesbraut" (Liszt).
- 12.38 p.m.—Studio Orchestra: "Band of Italy (Conductor, Giuseppe Verdi) of Leghorn: "Spanish Waltz" (Plattoli).
- "March, 'Flora'" (Plattoli).
- 12.45 p.m.—Beethoven, Cello Orchestra: Waltz, "Because I Love You" (Berlin).
- 12.46 p.m.—Virginia Rex and Fredrik Bur: "Who Could be More Wonderful Than You?" (Sivler).
- "Only You and Lovely Me" (Kings).
- 12.52 p.m.—National Military Band: "Selections from H. Thayer's" (Verdi).
- "Avali Chorus" from H. Thayer's (Verdi).

MATINEE SESSION.

- ORCHESTRAL CONCERT. 2.30 p.m.—Studio Orchestra.
- 2.45 p.m.—Miss Vera Thomson, Soprano: "Magnolia St. Michael's" (Lath). (Lath).
- "The Lark" (Rubenstein).
- 2.50 p.m.—Studio Orchestra: "Claire de Lune" (Debussy).
- 3.17 p.m.—Studio Orchestra: "Care Names" from Enigmo (Verdi).
- 3.21 p.m.—Miss Vera Thomson, Soprano: "The Green Hat" (Schumann).
- 3.25 p.m.—Studio Orchestra: "Care Names" from Enigmo (Verdi).
- 3.32 p.m.—Mr. Russell Clark, Tenor: "A Sprit Flower" (Tipton).
- "At Dussing" (Gadsden).
- 3.45 p.m.—2nd Weather Forecast.
- 4.1 p.m.—Studio Orchestra.
- 4.15 p.m.—Mr. Herbert Pfeiffer, Violin: "Serenade in G" (Wolfgang).
- 4.22 p.m.—Studio Orchestra: "Valse Marie" (Friml).
- "Rudi Solo" (Van Gave). (Dalbos).
- 4.26 p.m.—Mr. Russell Clark, Tenor: "Teletta" (Huhn).
- "Because" (Gay & Harsholt).
- 4.45 p.m.—Studio Orchestra.
- 4.53 p.m.—To-night's Entertainment.
- 5.0 p.m.—G.P.O. Clock Says "Five". Close Down.

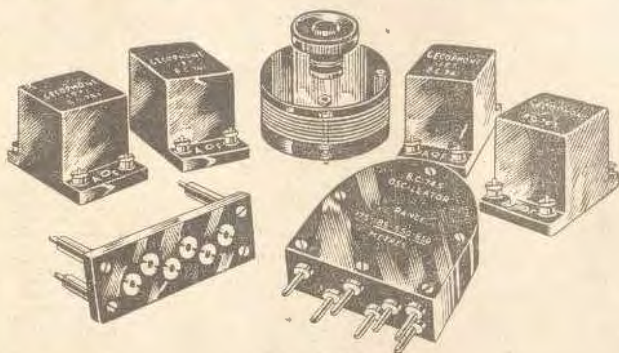
CHILDREN'S SESSION.

- 5.30 p.m.—"The Farmyard Five".

EVENING SESSION.

- THE PLAY AND THE CONCERT. 7.30 p.m.—Mr. William Smith, "Early Postal History of Victoria".
- 7.40 p.m.—Mr. Turion Baymont, "Hum".
- 7.50 p.m.—March Legoria, Notice.
- 8.0 p.m.—G.P.O. Clock Says "Eight".
- 8.1 p.m.—Miss Rosa Wagner, Soprano: "Waking of Spring" (Del Rego).
- "Kentucky Home" (Del Rego).
- 8.1 p.m.—Miss Constance Ziebell, Violin: "Nocturne" (Chopin-Sarante).
- "Swing Song" (Edel-Lernin).
- 8.15 p.m.—Mr. Milton Cook, Baritone: "Interco" (MacFadden).
- "Sometimes When Night is Night" (Lyah Phillips).
- 8.22 p.m.—Announcements.
- 8.28 p.m.—Mr. Jack Bell, Comedian, in a merry mood.
- 8.32 p.m.—Miss Elizabeth Lester, Cello: "Abe!l" (Schumann).
- "A Memory" (Goring Thomas).
- 8.41 p.m.—Bella Play: "Flocking Up" (Harry Gratton).
- 8.54 p.m.—Miss Winifred Mayberry, Contralto: "Ouhra Mai Fu" (Handel).
- "O Western Wind" (Hrabal).
- 9.4 p.m.—Miss Constance Ziebell, Violin: "Oriental" (Cazes Col).
- "Scherzo" (Van Gave).
- 9.11 p.m.—Miss Milton Cook, Baritone: "O the Month of May" (Gulliver).
- "A Little Woeing" (Eiseld).
- 9.18 p.m.—Announcements.
- 9.30 p.m.—Miss Rosa Wagner, Soprano: "By the Waters of Minnetonka" (Lorraine).
- 9.35 p.m.—Miss Constance Ziebell, Violin: "Winter in the Western Oases on the Mountains".
- 9.40 p.m.—Mr. Jack Bell: A few more frolics and laughable bits.

Super Heterodyne Kits



Cat. No. BC 759.

The components given below are included in the GECOPHONE Super Heterodyne Kit, and will enable a set of remarkable selectivity and sensitivity to be constructed.

- Three BC 741 Intermediate Frequency Transformers.
- One BC 743 Filter.
- One BC 745 Oscillator Plug-in Type, 175-850 metres.
- One BC 746 Oscillator Terminal Board, Brushes and Fixing Screws.
- One BC 749 Filter Tuning Condenser (variable), 0.003 mfd.
- One Blue Print Wiring Diagram, Full Size.
- One Booklet of Instructions, BC 3963.

PRICE, £8/10/-.

The Ideal Kit for Your Portable Set.



Cat. No. BC 788.

AT ALL LICENSED RADIO DEALERS.

Low Frequency Amplifying Choke Unit.

This unit gives perfect quality with great volume. It requires to be preceded by a transformer for coupling to the detector valve. The last two stages are choke coupled. Fixed filament resistances (interchangeable) and Benjamin anti-microphonic valve holders are incorporated. Separate grid tappings to each valve are provided. All terminals clearly marked.

PRICE, £5/15/-.

GECOPHONE

British General Electric Co. Ltd.

Sydney, Newcastle, Melbourne, Adelaide, Perth, Wellington
Dunedin, Auckland and Christchurch, N.Z.



TONE

The Boon Companions of Osram Valves



POWER

9.47 p.m.—Miss Elizabeth Lester, "Cello"; "Chignon Louis XIII. et Pavano" (Lombardi-Coperti-Kylander).

9.53 p.m.—Miss Winifred Mayler, Contralto: "My Dear Soul" (Sanderson).
"I Love a Little Cottage" (G'Hara).

10.0 p.m.—G.P.O. Clock Says "Ten".

10.1 p.m.—"The Age" News Bulletin, exclusive to R.A.R.

10.5 p.m.—Dance Hour: Leggett's Ballroom Orchestra. (Director—Mr. Harry Savelle).

10.55 p.m.—To-morrow's Entertainment.

11.0 p.m.—G.P.O. Clock Says "Eleven"; God Save the King.

4QC, BRISBANE.

Monday.

MIDDAY SESSION.

9 a.m.—Market reports; weather information, supplied by the Commonwealth Weather Bureau; news services supplied by "The Daily Mail" and "The Daily Standard".

FROM HOTEL CARLTON.

9.20 p.m.—Lunch music, played by Hotel Carlton Symphony Orchestra.

FROM THE OBSERVATORY.

1.15 p.m.—Standard time signal.

9 p.m.—Close down.

AFTERNOON SESSION.

FROM HOTEL CARLTON—

8.30 p.m.—Afternoon Tea music, played by Hotel Carlton Symphony Orchestra.

FROM THE STUDIO.

4.15 p.m.—News service supplied by "The Telegraph".

4.30 p.m.—Close down.

EARLY EVENING SESSION.

8 p.m.—News service supplied by "The Daily Standard".

8.15 p.m.—Lecturers: "The Women in the House"—by H. H. B. (The Queensland Housewives' Association, for Queensland Preference League).

8.30 p.m.—"The Children's Session"—Stories by The Bandman.

7 p.m.—Market reports; stock reports.

7.30 p.m.—Weather news; announcements.

7.45 p.m.—Standard time signal.

8.45 p.m.—Lecturers: "The Children's Music Corner"—conducted by "The Music Man".

NIGHT SESSION.

ORGAN RECITAL.

FROM ST. JOHN'S CATHEDRAL—

8 p.m.—A Recital by the City Organist (Mr. Geo. Sampson, F.R.C.O.), including:—"Concertino Anthem"—Zadok the Priest; (Handel); "Le Matin" (Grieg); (a) "Fugue in B-flat Minor" (Bach); (b) "Tosca in D-minor" (Bach); "Sarabande and Gavot" (Beethoven); "Andante and Allegretto"—"Terra" ("Les Deux Pigeons" (Messenger); air and chorus, "Dal Tuo Stellato Sigillo" (Rossini); "Grand Offertoire No. 6" (Weber); (a) "Benedicite" (Mozart); (b) "Missa" (Mozart); (Stees); "Promissional March" (Sullivan).

STUDIO PROGRAMME.

FROM THE STUDIO—

8 p.m.—Metropolitan weather forecast service, "Gypsy Queen" (Lachner), the Studio Orchestra (conductor, Mr. W. R. Westons); contralto solo, "Mr. Ships" (Barnett); Miss Blanche Burns; violin solo, "Amore" (Mayer); Mrs. E. Williams (accompanied by Studio Orchestra); soprano solo, selected, Miss Annie Adams patrol, "The Dwarf's Pastor" (Rinaldi); the Studio Orchestra; soprano solo, "Ogels The Blue Eyes" (Massenet); Miss Mrs. Westons; organ solo, selected, Mr. A. Sharnum; contralto solo, "Little Town in County Down" (Sarducci); Miss Blanche Burns; extracts, "Valse Danseuse" (Lachner); the Studio Orchestra; lounge solo—(a) "The Roaucy You Gave Me" (Dahl); (b) "Pal of My Cruise Days" (Pantoloni); Mr. Gerald Cashman; organist, "Big Ben" (Allen); the Studio Orchestra.

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

Close down.

5CL, ADELAIDE

Monday.

MORNING SESSION—11 to 2 p.m.

9 a.m.—Chimes.

9.1 p.m.—Relay from the Maple Leaf Cafe: Orchestral selections, Social items.

9.45 p.m.—Chimes.

10.1 p.m.—Relay from the Arcade Cafe: Orchestral selections.

10.5 p.m.—Chimes and close down.

AFTERNOON SESSION.

6 p.m.—Chimes.

6.1 p.m.—Dinner music, relayed from Covent Garden.

6.20 p.m.—Children's time.

7.30 p.m.—Market reports, Stock Exchange intelligence, Retail Grocers' reports, Automobile Association bulletins.

7.40 p.m.—Mr. Noel Bibbiler: "Physical Culture".

7.50 p.m.—Lecturers will talk on Finland.

8 p.m.—Chimes.

8.5 p.m.—Programme by courtesy of General Motors.

8.55 p.m.—The band in a programme of classic band music, assisted by Grace Cassin, soprano.

Cycle Bradley, bass.

Ed. Parzell, contralto.

Boreen May, violinist.

8.20 p.m.—The Twinkler.

8.40 p.m.—Holden's Band.

9.1 p.m.—Weather report.

9.1 p.m.—Holden's Band.

10 p.m.—"Advertiser" news service; wireless chipping.

10.15 p.m.—Holden's Band.

10.20 p.m.—To-morrow's programme.

Weather bulletin; Station announcements.

11 p.m.—Chimes and National Anthem.

Daijots' Wheat

6WF, PERTH.

Monday.

12.30 p.m.—Tune in.

12.35 p.m.—First Local News Bulletin supplied by courtesy of "The West Australian" News.

12.40 p.m.—Market Reports, supplied by the Westralian Farmers Limited, cables supplied by the Australian Press Association.

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

3.1 p.m.—Weather Notes supplied by the Meteorological Bureau of Western Australia.

3.15 p.m.—Studio Gettoeste.

3 p.m.—Close down.

8.30 p.m.—Tune in.

8.35 p.m.—Musical Programme, including Pianoforte Solos by Miss Evelyn White, A.R.C.M.

8.40 p.m.—Selected items by Studio Instrumental Trio.

8.50 p.m.—Close down.

8.55 p.m.—Tune in.

8.59 p.m.—Uncle Henry and Guffy will talk to the Boys.

7.45 p.m.—Tune in.

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

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

8.5 p.m.—Orchestral Concert.

S.W.P.A. Studio Orchestra. Conductor: Mr. D. E. Meyle, A.T.C.I., Vocal Assistant Arranger.

8.55 p.m.—Late news items relayed by courtesy of "The Daily News" Newspaper Co., chimes within range. Weather forecast.

10.35 p.m.—Close down.

7ZL, HOBART

Monday.

MORNING SESSION—11 a.m. to 12 noon.

AFTERNOON SESSION.

8 p.m.—G.P.O. Clock Chimes.

8.1 p.m.—Tune in selection.

8.8 p.m.—Hobart Stock Exchange quotations. Weather information.

Items of interest; announcements.

9.15 p.m.—Orchestral selections by 7ZL Orchestra.

9.15 p.m.—Fashion talk by "Aunt Edna," of Brownell, Ltd., T. Hart.

9.30 p.m.—Close down.

EARLY EVENING SESSION.

8.30 p.m.—"Uncle Henry" talks to the children.

7.1 p.m.—"Big Brother" chats to his Pal.

NIGHT SESSION.

7.30 p.m.—Musical selection.

7.35 p.m.—Physical Culture talk by Lieutenant Reginald McKissock.

7.40 p.m.—"Mercury" special Telegram news service.

Hallway Austin Produce Sales.

Weather forecasts.

Hobart Stock Exchange quotations.

8 p.m.—G.P.O. Clock Chimes.

8.1 p.m.—Studio Concert.

Miss Alice Briggs (soprano).

Miss Winnie White (violinist).

Miss Norma Fries (soprano).

Mr. Frank Dalton (tenor).

Mr. Hugh Taylor (soloist).

8.30 p.m.—"Mercury" special interest news service.

Station within wireless range.

Tasmanian district weather reports.

9 p.m.—Weather forecast.

Station announcements.

National Anthem.

Tuesday, August 2 2FC, SYDNEY

EARLY MORNING SESSION.

7 a.m.—"Big Ben," and programme announcements.

7.5 a.m.—Studio music.

7.15 a.m.—COUNTRY SESSION: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.

7.35 a.m.—Investment market, mining share market, wool quotations.

7.55 a.m.—Wool sales, breadstuffs markets.

8.15 a.m.—Market produce markets.

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

8 a.m.—"Big Ben" Close down.

MORNING SESSION.

10 a.m.—"Big Ben" and announcements.

10.3 a.m.—Studio music.

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

10.30 a.m.—Studio music.

10.35 a.m.—A talk by the JFC Racing Commandant.

10.45 a.m.—Studio music.

11 a.m.—"Big Ben."

11.15 a.m.—Marching music for school children.

11.5 a.m.—A.P.A. and Reuters' cables.

11.20 a.m.—Studio music.

11.55 a.m.—A talk on Home Cooking and Recipes by Miss Ruth Firth.

11.39 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.

12.2 p.m.—Stock Exchange, Gray talk.

12.8 p.m.—Official weather forecast, rainfall (2.4 p.m.).

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

12.45 p.m.—Studio music.

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

12.40 p.m.—NORAN DIXON, soprano: "I ain't no Fool" (Teatle).

12.45 p.m.—Studio music.

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

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

Producers' Distributing Society's Report.

1.20 p.m.—Studio music.



No more "lost" chords

Cossor Valves—with the wonderful new Kalenised Filament—bring you the superb technique of the living Artiste.

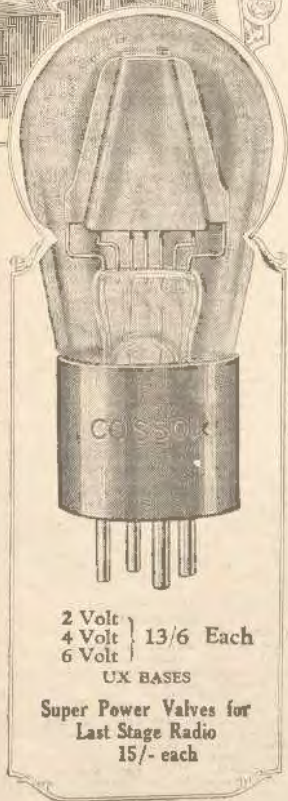
Wireless is undergoing a significant change. The latest trend is towards better tone. Quality of reproduction comes in the forefront of every broadcast enthusiast's requirements. "Give me," he says, "the voice of the living artiste—not a mechanical rendition."

Convert your Receiver at once and enjoy the living naturalness and the true beauty of every instrument—and of every voice. The cost is but little—the reward of your labour is great indeed. But be sure you use the new "Cossor" Point One-Valves—no other valve has the Kalenised filament which is the real secret of its wonderful powers of reproduction.

WHOLESALE ONLY

UNITED DISTRIBUTORS LTD.
72 CLARENCE STREET,
SYDNEY.

LISTEN IN TO THE
"COSSOR
MUSICAL
HOUR"
EVERY TUESDAY
8 p.m. to 9 p.m. from
2BL, Sydney.



2 Volt } 13/6 Each
4 Volt }
6 Volt }

UX BASES

Super Power Valves for
Last Stage Radio
15/- each

COSSOR

— the British valve which serves you longest.

OBTAINABLE FROM
ALL RADIO DEALERS

- 1.28 p.m.—Stock Exchange, second call.
 1.30 p.m.—Marching music for school children.
 1.45 p.m.—NORMA DIXON, soprano:
 "Memory Song" (Oliver).
 1.45 p.m.—Hudon music.
 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- 2 p.m.—"Big Ben," and programme announcements.
 2.10 p.m.—MARGARET GRIMSIAW, soprano:
 "The Merchant" (Carver).
 2.15 p.m.—A Reading.
 2.30 p.m.—Marching music for school children.
 2.40 p.m.—ANNE HILL, mezzo:
 "Spring" (Foot).
 2.45 p.m.—THE WESTWORTH SYMPHONIC DANCE ORCHESTRA, under the baton of Mr. Cyril Kane.
 2.55 p.m.—HESSIE COOKE, contralto:
 "Slave Song" (del Rio).
 3 p.m.—WILLIAM BOWYER, basso:
 "Sea Hymn" (Sanderson).
 3.05 p.m.—RITA HILL, mezzo:
 "May Day Morn'" (Slatter).
 3.10 p.m.—THE WESTWORTH SYMPHONIC DANCE ORCHESTRA.
 3.15 p.m.—MARGARET GRIMSIAW, soprano:
 "La Boheme" (Drezlani).
 3.30 p.m.—WILLIAM BOWYER, basso.
 3.35 p.m.—HESSIE COOKE, contralto:
 "Annie Laurie" (Lekman).
 3.45 p.m.—THE WESTWORTH SYMPHONIC DANCE ORCHESTRA.
 3.50 p.m.—RITA HILL, mezzo:
 "If I might only come to you" (Saxfre).
 4.00 p.m.—ANNE HILL, mezzo:
 "Thank God for a Garden" (Riego).
 4.05 p.m.—Stock Exchange, third call.
 4.15 p.m.—THE WESTWORTH SYMPHONIC DANCE ORCHESTRA.
 4.20 p.m.—"Big Ben." Close down.
 EARLY EVENING SESSION.

- 8.45 p.m.—The rhymes of EFC.
 8.50 p.m.—The "Hello Man" talks to the children.
 9.05 p.m.—Children's Book Competition, No. 2.
 9.30 p.m.—Story time for the young folk.
 9.40 p.m.—Dinner music.
 9.50 p.m.—"Big Ben."
 Late Sporting news.

- 7.10 p.m.—Dulcety's market reports (wheat, wheat and stock).
 7.15 p.m.—Fruit and vegetable markets.
 7.20 p.m.—Weather and shipping intelligence.
 7.25 p.m.—"Evening News" late news service.

NIGHT SESSION.

- 7.40 p.m.—Programme announcements.
 7.45 p.m.—MADAME BETTS VINCENT in continuation of her Musical Lectures, will deal this evening with Schumann and give examples of his compositions.
 8 p.m.—FROM THE DARLINGTON TOWN HALL:
 The Metropolitan Band:
 (a) March, "B. B. and C. T." (Hume).
 (b) Song, "My Dreams" (Treat).
 (c) Overture, "Kenilworth" (Haynes).
 8.17 p.m.—A talk by Mr. R. H. Bowden on Sierra's Unique Horwages.
 8.30 p.m.—THE METROPOLITAN BAND:
 (a) Waltz, "Will o' the Wisp" (Bourcel).
 (b) Two-step, "The Gleamer" (Lincoln).
 8.42 p.m.—Gems from "THE GIRL ON THE FLY," presented by the principals and chorus of the Roseville Musical Society:
 1. Opening chorus, 1st Act.
 2. Solo, "Steady, Freddy."
 KATHLEEN HORNE, soprano.
 3. Duet, "Falling in Love."
 DOROTHY BENNETT and J. BENJAMIN, tenor.
 4. Dialogue (from the First Act).
 5. Duet and chorus, "The Street."
 KATHLEEN HORNE and JOHN RYAN.
 6. Finale, 1st Act. The Company.
 9.0 p.m.—THE METROPOLITAN BAND:
 Selection, "La Taverne" (Vardi).
 9.10 p.m.—SYDNEY CALLAND, baritone:
 (a) "Give me your hands."
 (b) "If I see Thee" (Burry).

- 6.24 p.m.—Gems from "THE GIRL ON THE FLY," presented by the principals and chorus of the Roseville Musical Society:
 1. Opening chorus, 2nd Act.
 2. Solo, "The Mill."
 KATHLEEN HORNE, soprano.
 3. Duet, "Our Syndicate."
 DOROTHY BENNETT and JOHN BENJAMIN.
 4. Solo, "Ah, Choe."
 TRINKIE GREGORY.
 5. Solo, JOHN RYAN.
 6. Duet and chorus, "Won't you come and waltz with me."
 DOROTHY BENNETT and JOHN BENJAMIN.
 7. Solo and chorus, "Give me something in Uniform."
 MAMIE LESLIE.
 9.44 p.m.—ALEXANDER SVERJENSKY, pianist:
 (a) "Elegy" (Rachmaninoff).
 (b) "Impromptu" (Schubert).
 (c) "Runic Dance" (Bocset).
 9.54 p.m.—THE METROPOLITAN BAND:
 March, "Twentieth Century" (Home).
 10 p.m.—"Big Ben."
 SYDNEY CALLAND, baritone:
 (a) "Give me your hands."
 10.4 p.m.—Music in Convulsions: Part One.
 10.10 p.m.—ALEXANDER SVERJENSKY, pianist:
 (a) "Nocturne in F Sharp Minor" (Chopin).
 (b) "Ronde in F Minor" (Liszt).
 10.20 p.m.—AL JACK and HIS CRACKERJACKS:
 Dance Music from the Studio.
 10.25 p.m.—Celebrity news.
 10.42 p.m.—AL JACK and HIS CRACKERJACKS:
 Dance Music from the Studio.
 10.47 p.m.—Late news and announcements.
 11 p.m.—"The Ben."
 AL JACK and HIS CRACKERJACKS in popular numbers until 11.30 p.m.
 11.30 p.m.—National Anthem.
 Close down.

2BL, SYDNEY.

Tuesday.

EARLY MORNING SESSION.

- 7 a.m.—G.P.O. Clock and Chimes.
 Metropolitan Weather Forecast.
 7.2 a.m.—State Weather Report.
 7.4 a.m.—News service.
 7.15 a.m.—G.P.O. Clock and Chimes.
 Fruit Market Report.
 7.18 a.m.—Vegetable Market Report.
 7.20 a.m.—A. M. H. and F. Co.'s Report.
 7.24 a.m.—Dairy Farm Produce Market Report.
 7.26 a.m.—Poultry Market Report.
 7.30 a.m.—G.P.O. Clock and Chimes.
 Musical programmes from the Studio.
 7.38 a.m.—News service.
 7.43 a.m.—Special radio call by wireless.
 7.43 a.m.—Mail information, shipping arrivals and departures, and Port Directory.
 7.45 a.m.—G.P.O. Clock and Chimes.
 News.
 8 a.m.—G.P.O. Clock and Chimes.
 Close down.

MORNING SESSION.

- 10.35 a.m.—G.P.O. Clock and Chimes.
 Musical programme from Studio.
 10.40 a.m.—News service.
 10.50 a.m.—Musical programme from the Studio.
 11 a.m.—G.P.O. Clock and Chimes.
 Announcements.
 11.15 a.m.—Musical programme from the Studio.
 11.15 a.m.—Social Notes: Replies to correspondents by Mrs. Jordan.
 Talk on "Diet and Obesity," by Mr. Adams.
 4 A.M.A.
 12 noon—G.P.O. Clock and Chimes.
 Special Opera Forecast and Weather Report.
 12.15 p.m.—Musical programme from the Studio.
 12.35 p.m.—Information: Mail, Shipping, and Port Directory.
 12.15 p.m.—Boats in call by wireless.

- 12.50 p.m.—Fruit Market Report.
 12.52 p.m.—Vegetable Market Report.
 12.54 p.m.—London Metal Market Report.
 12.58 p.m.—Dairy and Farm Produce Market Report.
 1.30 p.m.—G.P.O. Clock and Chimes.
 Farmer's Market Report.
 1.32 p.m.—Fish Market Report.
 1.34 p.m.—Retail Market Report.
 1.36 p.m.—News from the "Sun."
 1.45 p.m.—ILLUSTRATED Entomological Quarterly, direction, Caryl Castling.
 1.50 p.m.—G.P.O. Clock and Chimes.
 Talk to Children and special entertainment for Children in Hospital.
 2 p.m.—G.P.O. Clock and Chimes.
 Close down.

AFTERNOON SESSION.

- RACING INFORMATION BROADCAST IMMEDIATELY AFTER EACH RACE, BY COURTESY OF THE "SUN."
 2 p.m.—G.P.O. Clock and Chimes.
 News from the "Sun."
 2.10 p.m.—Civil Service Stores Yrs. direction, Miss de Courcy Reimar.
 2.30 p.m.—G.P.O. Clock and Chimes.
 News from the "Sun."
 2.40 p.m.—Musical programme from the Studio.
 2.50 p.m.—News from the "Sun."
 4 p.m.—G.P.O. Clock and Chimes.
 Civil Service Stores Yrs.
 4.15 p.m.—Serial Story.
 4.20 p.m.—Musical programme from the Studio.
 4.45 p.m.—News from the "Sun."
 4.50 p.m.—Racing news.
 4.52 p.m.—Resume of night's programme.
 4.54 p.m.—Announcements and What's on.
 4.58 p.m.—Special Ocean Forecast.
 5 p.m.—G.P.O. Clock and Chimes.
 Close down.

EARLY EVENING SESSION.

- 6.45 p.m.—G.P.O. Clock and Chimes.
 Uncle Bass and the Kiddies.
 6.50 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. Clock and Chimes.
 Australian Maritime, Land and Finance Co's Report.
 Weather Report and Forecast, by courtesy of Govt. Meteorologist.
 Producers' Distributing Society's Fruit and Vegetable Market Report.
 Stock Exchange Reports.
 Grain and Fodder Report ("Sun").
 Dairy Produce Report ("Sun").
 7.35 p.m.—Country News from the "Sun."
 7.39 p.m.—Talk on "The Motor Car" by Mr. Martin.

NIGHT SESSION.

- 8 p.m.—G.P.O. Clock and Chimes.
 Reminders' Topical Chorus.
 8.10 p.m.—Programme presented by Casser Values.
 8.3 p.m.—Broadcasters' Light Orchestra, under the direction of Mr. J. Knight Barnett.
 8.35 p.m.—Miss Malala Barnett, (contralto).
 8.39 p.m.—Mr. Haagen Holtenberg (piano solos).
 8.42 p.m.—Miss Lenora Gotch and Mr. Alfred Wilmore, in Grand Opera.
 8.45 p.m.—Mrs. Gerald Watson (violinist).
 8.52 p.m.—Mr. Clem Williams (baritone).
 8.53 p.m.—Weather Report and Forecast by courtesy of Mr. C. J. Maras, Govt. Meteorologist.
 9.4 p.m.—Broadcasters' Light Orchestra.
 9.14 p.m.—Miss Malala Barnett.
 9.21 p.m.—Mr. Haagen Holtenberg.
 9.31 p.m.—Lenora Gotch in German Lieder.
 9.35 p.m.—Mrs. Gerald Watson.
 9.44 p.m.—Mr. Alfred Wilmore (tenor).
 9.50 p.m.—Resume of following day's programme.
 10.5 p.m.—Broadcasters' Light Orchestra.
 10.5 p.m.—Mr. Clem Williams.
 10.12 p.m.—The Ambassadors' Unmanned Broadcast from the Hall Room of the Ambassadors.
 10.15 p.m.—During intervals between dances "Sun" news will be broadcast.
 12 midnight—G.P.O. Clock and Chimes.
 National Anthem.

ANOTHER TRIUMPH!

ONE DIAL NEUTROLA

SUPER NEUT

Australian Patent 20,643/24. U.S.A. Patent 1610918, British and Canadian Patents Pending.

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:—

Extract from letter from E. M. Gee, Eastlake.

The United Distributors, Ltd., Sydney.

Dear Sir,—

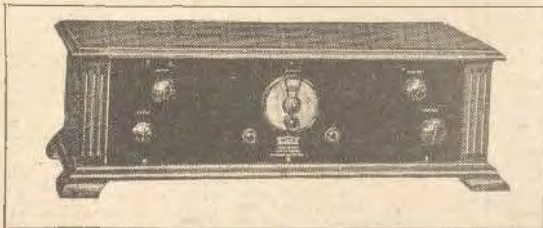
With one of the last single control sets that you sent up, I can get 2FC, 2BL, 2GB, 3LO, 3AR, 4QG, 5CL, 7ZL, on the loud speaker in the daylight. At night I can get 3LO and 4QG without either aerial or earth, and with utmost selectivity. This set is a "knockout."

Yours truly,

E. M. GEE.

Eastlake, Canberra, F.T.C.

DAYLIGHT
RECEPTION



INTERSTATE
STATIONS

Model L5 5 Valves

PRICES :	4 Valve Set with Philips A609 Valves	£20
	5 " " " "	£30
	6 " " " "	£40
	8 " " " "	£55

Cancelling all Previous
Prices

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.,
BRISBANE

27 Chesser St.,
ADELAIDE

26 Queen St.,
PERTH

Cr. Jervois Quay & Harris St.,
WELLINGTON, N.Z.

66 Charles St.,
LAUNCESTON, Tas.

664 Bourke Street, MELBOURNE

109 Collins Street, HOBART

3LO, MELBOURNE.

Tuesday.

MIDDAY SESSION.

12 noon.—Time Signal. Retail Prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. British Official Wireless News from Herts; Reuters and the Australian Press Association Cables; "Argus" News Service.

12.15 p.m.—COMMUNITY SINGING in the STUDIO, conducted by Mr. G. J. MACRAE, assisted by the Studio Orchestra.

Soloists:

MILDRED AND CONNIE:
Accordion and Piano, "Veiga River"
Song with Piano, "Misc. all Mite."
Song with Harp, "Coming Thru the Raz."
JEAN GILLESPIE, Soprano:
Song, "Mighty Lak a Rose" (Novel)
"Ballad In Your Absence" (Woodford-Finden).

1.45 p.m.—Meteorological Information; Shipping Intelligence; Weather Forecast for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Reports; Rainfall for Victoria, Tasmania, South Australia and New South Wales.

2.0 p.m.—Close Down.

AFTERNOON SESSION.

2.0 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
"What's the Use of Crying" (Forststein)
"Hello, Bluebird" (Friend)
"Brown Eyes" (Tennant).

3.10 p.m.—"AU PAI":

3.25 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
"Just a Bird's Eye View" (Donalson)
"If You See Sally" (Kahn)
"My Sweetheart"

3.55 p.m.—FRANK AND FRANCES LUIZ:
Song, "Fair Hawaii"
Steel Guitar, "Schola March"
Duet, "Naughty, Naive Eyes."

4.40 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
"Because I Love You" (Bellini)
"Cherie I Love You" (Goodman)
"Chinese Moon" (Nausbaum)

5.15 p.m.—SIDNEY BURCHALL, Baritone:
"Wall" (DeMott)
"Grinder John" (Melvin)

6.0 p.m.—Description of VICTORIAN AMATEUR BILLIARD CHAMPIONSHIP Final at Alcock's Hall, South Melbourne, by W. J. ALCOCK.

6.12 p.m.—ETHEL POWSHAW, Soprano:
"Love Went a-Riding" (Bridge)
"The Heart Woodsides"

6.19 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
"I'm On My Way Home" (Berlin)
"Camille" (Sherman)

"Maddy Water" (De Rose)

6.29 p.m.—MAY ALBERTA, Soprano:
"Mollersart" (Melvin)

6.46 p.m.—"Herald" News Service; Stock Exchange Information.

6.50 p.m.—Close Down.

EVENING SESSION.

6.50 p.m.—Answers to Letters and Birthdays Announcements by "MARY GUMLEAF."

6.0 p.m.—STUDIO ORCHESTRA:
"Powder and Patch" (Miles)
"The Fountain" (Miles)

6.10 p.m.—RAY ALBERTA, Soprano:
"Songs for the Children from New Zealand" (Hall)

6.15 p.m.—AL KARANICK, Heavyweight Champion of Russia, will tell the children, "A Russian Fairy Tale."

6.25 p.m.—MAY ALBERTA, Soprano:
"More New Zealand Songs" (Hall)

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

6.45 p.m.—"Herald" News Service; Weather Reports; Shipping Movements.

6.52 p.m.—Stock Exchange Information.

6.57 p.m.—Flesh Market Report by J. R. Borrett, Ltd., Rabbit Reports.

7.0 p.m.—River Reports.

7.2 p.m.—Market Report of Fruit by the Victorian Fruitgrowers' Association, compiled by "The Fruit World."

NIGHT SESSION.

7.15 p.m.—Under the auspices of the TOWN PLANNING ASSOCIATION. Commissioner W. A. Wilkinson will speak on "Town Planning the Glen-Waterley District."

7.30 p.m.—Under the auspices of the UNIVERSITY EXTENSION BOARD—MRS. ROSENBLUM, M.A., will speak on "Some notes on the staging of an Elizabethan Drama."

Bulleck's Bill and his old coach—was there ever a more devil-may-care driver or a more adventurous journey! The scent of the crushed camellias as we crashed through them at night; the sudden glare of wilder eyes; the imperious "Tail up!" in the pitch darkness; the floods, the rattling contours; the narrow sidings, and above all that splendid team of furnace-black bush horses! And all that is now left of them is—Horse-Power!

7.45 p.m.—MR. FRANK SMILEY:
"Early coaching days in Victoria."

8.0 p.m.—ST. KILDA BRASS BAND:
March, "Narrow-neck Castle"
A Japanese Dance

8.10 p.m.—ELISA STRALIA, Soprano:
"O Lovely Night" (Ronald)
"Enter No" (MacFady)

8.17 p.m.—GEORGE EYDE, One Mile and The Mile Australasian Champion:
The Perthesing Cross Country Australasian Championship.

8.27 p.m.—J. B. KINGS, Piano Recital:
"Impenitus F Major" (Chopin)
"Sad Birds" (Schumann-Debusay)

"Water Fountain" (Ravel)

8.47 p.m.—ST. KILDA BRASS BAND:
"Waltz Sena"

8.55 p.m.—Announcements: ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE for today—

"MOTORISTS"—"The best way to watch the road is through the windsheld."

9.0 p.m.—We have much pleasure in presenting—

FRANK FOSTER, late Principal Tenor, Royal Opera, Covent Garden—Lari Ross Opera Company.

ROBERT NEEDHAM, Baritone, late of the Garrick, Palace and Dallys Theatres, London.

Frank Foster, "So Fair a Flower" (Lark)
Robert Needham, "Exc. Heaven's Heart"

Faust, "Garden" (Hobbs)
Duet, "Battle Eye" (Hobbs)

9.10 p.m.—Description of Victorian Amateur Billiard Championship Final, at Alcock's Hall, South Melbourne.

Described by W. J. ALCOCK.

9.17 p.m.—ELISA STRALIA, Soprano:
"Fesole" (Ronald)
"Yes in a Gondola" (Ularke)

9.24 p.m.—AL KARANICK, Heavyweight Champion of Russia:
"My Experiences in Siberia"

9.40 p.m.—ST. KILDA BRASS BAND:
Nocturne, "Mikado"

9.47 p.m.—SIDNEY BURCHALL, Baritone:
"Juggin' Along the Highway" (Samuel)
"Close Progs" (Charles)

9.55 p.m.—Second Act of "ROSE MARIE," Transmitted by permission of J. C. Williamson, Ltd.

The Characters:
Sergeant Malone JAMES HUGHES
Lady Jane YVONNE BANVARD

Black Eagle GEORGE DRYANT
Eddie EDU VERNON
Edward Hawley NOEL ALLAN

Wanda STEPHANIE D'ESTE
Hard Bolled Herman, FREDERIC RENTLEY
Jim Bruyan REGINALD DANDY
Rose Marie La Flamme.

ETHEL DENNETT
ETHEL DENNETT MARY LAMONT
SYNOPSIS OF DENNETT.

Act II

Scene 1.—A Novelty Shop in Quebec. Eight months have passed.

Scene 2.—Grand Ballroom, Chateau Frontenac, Quebec. One month later.

Scene 3.—Impressario's Office of a Hotel on the River Front, Quebec. Same night.

Scene 4.—On a hill near Kootenay Falls. One month later.

Scene 5.—"The Castle"

New Columbia Layerbilt "B" Battery

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

Columbia Radio Batteries

—they last longer

Factory Representatives: 141
ELLIS & Co. (Aust.) Ltd.,
204-6 Clarence St. Sydney N.S.W.



MUSICAL NUMBERS.

Act II.

Opening Chorus.

Trio—"Only a Kiss"
Herman, Lady Jane, and Malone
Sextette, "Finaletto,"
Rosa Marie, Jim, Hawley, Kmiele, Ethel
and Wanda.
Empire March and Gavotte.
Song and Dance.
"Minute of the Minute."

Dance, "Wanda Waits" Wanda
Bridal Procession.
Song, "Door of my Dreams,"
..... George Elliot
Rosa Marie and Chorus

Bridal Finale.
10.45 p.m.—Meteorological Information; British
Official Wireless News from Rugby; "Argus"
News; Sporting Notes by "Olympus."
OUR GREAT THOUGHT!
"I've stood against that word 'failure.'
I've seen behind it. The only failure a
man ought to fear is failure in cleaving
to the purpose he sets to be bent."
..... George Elliot

11.10 p.m.—JOB ARONSON AND HIS SYN-
COPATING SYMPHONISTS.

11.49 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Tuesday.

MORNING NEWS SESSION.

11 a.m. to 12 noon.

MIDDAY CONCERT SESSION.

Transmitted from Panatropa House, 252
Collins Street (by exclusive permission of
Wills and Paton, Ltd.), on the Brunswick
Panatropa.
1 p.m.—Close down.

MATINEE SESSION.

ORCHESTRAL CONCERT.

4.30 p.m.—Studio Orchestra.
2.45 p.m.—Miss Lilian Van Eede, soprano:
"Little Brown Owl" (Sanderson).
"At Dawning" (Cadmán).
2.53 p.m.—Studio Orchestra.
2.8 p.m.—Mr. Ronald Brearley, 'cello:
"We Three Kings" (Haydn).
4.12 p.m.—Studio Orchestra.
3.27 p.m.—Miss L. Van Eede, soprano:
"Vivaldi's 'Arie'" from Tosea (Pizzoli).
"The Fuchsia Tree."
4.36 p.m.—Studio Orchestra.
4.52 p.m.—Mr. William Daniels, tenor, as-
sisted by the Studio Orchestra:
Part 1 of the "Lover in Damascus" Song
Cycle.

4 p.m.—G.P.O. clock says, "Four."

4.1 p.m.—Second weather forecast.

4.4 p.m.—Studio Orchestra.

4.29 p.m.—Mr. William Daniels, tenor, as-
sisted by the Studio Orchestra:
Part 2 of the "Lover in Damascus" song
cycle.

4.25 p.m.—Studio Orchestra.

4.45 p.m.—Tonight's entertainment.
Announcements.

5 p.m.—G.P.O. clock says, "Five."
Close down.

CHILDREN'S SESSION.

6.30 p.m.—"The Zoo" entertainment.

EVENING SESSION.

7.30 p.m.—"The Daniels"—School life and
school sport for the boys and girls of Aus-
tralia.

7.55 p.m.—Market reports. Notices.

8 p.m.—G.P.O. clock says, "Eight."

8.1 p.m.—Miss Helen Hammer, soprano:
"Waltz Song" from Faust (Gounod).
"Gavotte" from Mignon (Mascagni).
8.7 p.m.—Miss Daphne Patten, violin:
"Serenade" (Drigo).
"Romance" (Wieniawski).
8.15 p.m.—Mr. Leslie Tophers, tenor:
"Thank God for a garden" (Del Rio).
"Kashmir Song" (Woodford-Finden).
8.22 p.m.—Announcements.

8.29 p.m.—Mr. Ernest Trotman, entertainer,
in fifteen minutes original humor, includ-
ing:

(a) "Burlington on Grand Opera."

(b) "Johnny's Wedding Breakfast Speech."

Guaranteed Radio Parts

COUNTRY CLIENTS NOTE—Postage Paid on Orders
over 10/-, with the exception of Sets, Loud Speakers,
Batteries, Aerial Wires, and Value Payable Parcels. All
goods sold with a Money Back Guarantee if not satisfied
and returned within ten days, money will be refunded.

BELOW IS A LIST OF PARTS RECOMMENDED TO BUILD THE

Superheterodyne

AS DESCRIBED IN THIS ISSUE.

1 Panel 20 x 7 x 1/2 Diecto ...	14/-	8 Benjamin Shuk Almarber Sockets	8/-
1 Sub-Panel, 10 x 9 x 1/2 Diecto	17/6	2 .0025 Dubilier Condensers, with Clips	2/6
1 Terminal Panel, 10 x 1 1/2 x 1/2 Diecto	5/-	2 Grid Leaks, Electrical	2/-
2 .0005 Precise Condensers ..	10/8	1 Rauland Lyric Transformers,	45/-
2 80 ohm H. & H. Rheostats with Dial	4/6	10 Terminals	3/-
1 400 ohm Potentiometer	4/6	2 Romco Bak. Dials	7/8
1 D.C. Jack	8/-	1 .001 Dubilier Condenser	2/6
1 S.C. Jack, B.M.S.	2/0	1 All American Super Kit	28/5-
1 Outler Hammer Switch	2/0	1 Gridlock Loop, Tapped	23/10/-
1 Midget Condenser Advance ..	6/6		
1 Mfd. T.C.C. Condenser	6/9		

Build a

3-Valve Low-Loss Receiver

AND LISTEN DIRECT TO THE FORTHCOMING TESTS OF CONTINENTAL
AND AMERICAN SHORT WAVE BROADCAST STATIONS.
LOUD SPEAKER VOLUME FROM P.C.J.J. (HOLLAND), W.G.Y. AND
OTHER AMERICAN STATIONS.

Below is a List of Parts most Suitable
for Building this Receiver :

1 Stag Assembly Kit, comprising:		7 Coils and back mounting Dials as specified	24/11/6
2 Lengths Diecto Rod, 1/2 in. long, 1/4 in. diam.	7/-	3 H. & H. Potcelain Sockets	9/-
2 Pillars, 2 x 2 x 1/2 Bakelite ..	3/2	1 Geco 4-1 Transformer	21/12/6
1 Sub-Panel, 2 x 2 x 1/2 Bakelite ite	4/-	1 Geco 2-1 Transformer	21/12/6
2 Romco Back of Panel Mtg. Dials	11/6	1 Panel, 22 x 8 x 1/2 Radiator Diecto	11/6
4 Lengths Diecto Tubing, 2 1/2 in. in. diam. x 1/4 in.	7/8	2 Bredystatus	21/10/-
1/2 lb. 18 Enamel Covered Wire 1 oz. 40 Double Silk Green Wire	1/4	1 Geco 21 Plate Condenser	21/17/6
2 Lengths Diecto Tubing, 2 1/2 in. x 1/4 in.	7/6	1 Outler Hammer Battery Switch	3/0
10 Special Pins and Sockets for mounting coils	10/6	1 R.M.S. Single Circuit Jack ..	2/6
We can supply in place of the above, completely Assembled Kit with		1 R.M.S. Double Circuit Jack ..	2/-
		1 Electrical Condenser and Lens	4/6
		1 .001 Dubilier Pivoted Condenser	2/8
		1 D.A. Valve, "Phillips" Special Detector	2/8
		2 B. 408 Valves, "Phillips"	27/1/-

Colville Moore Wireless Supplies Ltd.

10 ROWE STREET (Next Hotel Australia) SYDNEY

PHONE B 2261



Beyond all Price

A tattered flag, the first love letter, a baby's shoes, the photograph of a Gallipoli grave—these are treasures beyond all price, outlasting all but love.

In the museum of the Burgess Battery Company these were, until recently, two batteries, which no man in America was rich enough to buy! They were the gift of Commander Byrd—his grateful tribute to a service beyond praise.



These were the Burgess radio batteries carried across the North Pole on Byrd's epoch-making dash. They told the world hour by hour of the progress of his flight and endured without flinching the most intense cold.

When Mr. J. I. Carroll, Manager of New System Telephones Pty., Ltd., of 280 Castlemore-street, Sydney, recently visited the Burgess Company as representing the Australian distributors, Mr. Mansel Keith presented him, on behalf of the company, with one of these historic batteries.

On Mr. Carroll's return, I borrowed the battery, photographed it, and here is the result—it is exactly the same grand dry battery that you can buy from any high-class radio dealer in Australia, yet while men live Byrd's flight and its wonderful wireless achievement will be honored and remembered.

Small wonder that when Byrd decided to risk his life on the trans-Atlantic flight, he refused all offers of free batteries from other makers, preferring to pay cash for Burgess!

Readers of this journal know the sequel—that the batteries Byrd then bought saved his life and those of his two friends. If the Burgess batteries had failed, three heroic lives would have ended miserably in mid-Atlantic.

- 9.41 p.m.—The Maestri Entertainers, selections from "The Calaret Girl" (Kern). (arranged for violin, bass and piano).
 9.45 p.m.—Ella Foss and Gladys Hill, duet:
 (a) "Love is meant to make us glad" (Gorman).
 (b) "Sherrin" (Homer).
 (c) "Moonlight on the Danube" (Hyer).
 9.52 p.m.—Mr. Norman Wood, comedian:
 "I love me" (Mahoney).
 "The Undertaker" (Chandler).
 9 p.m.—Miss Maliss Bannister, soprano:
 "Line Your Feet" (Hosmer).
 "The Market" (Carver).
 9.8 p.m.—Miss Constance Lee, band:
 "Two Nests" (Spratton) (Keith Presser).
 "The Banjo" (Homer).
 10 p.m.—Mr. Leslie Jephcott, tenor:
 "Down the Vale" (Mead).
 "Heart Song" (Harriet Wars).
 10.22 p.m.—Announcements.
 10.27 p.m.—"Lettering" by Mr. Catabach (under the auspices of "The Arts and Crafts Society of Victoria").
 10.38 p.m.—Mr. Norman Wood, comedian:
 "You never wronged an onion" (Hyer, grave).
 "Tantalus Trademark" (Wood).
 10.49 p.m.—The Maestri Entertainers.
 10 p.m.—G.P.O. clock says, "Ten."
 10.1 p.m.—The "Age" news bulletin, exclusive to 2AR.
 10.5 p.m.—Dance Hour. Leggitt's Ballroom Orchestra (direction, Mr. Harry Nangio).
 10.55 p.m.—Tomorrow's entertainment.
 11 p.m.—G.P.O. clock says, "Eleven."
 God Save the King.

4QG, BRISBANE.

Tuesday MIDDAY SESSION.

- 1 p.m.—Market reports; weather information; "The Daily Mail" and "The Daily Standard" news.
 FROM HOTEL CARLTON.—
 1.25 p.m.—Lunch music played by Hotel Carlton Symphony Orchestra.
 FROM THE OBSERVATORY.—
 1.58 p.m.—Standard time signal.
 2 p.m.—Close down.

AFTERNOON SESSION.

- A PROGRAMME OF MUSIC FROM THE STUDIO.
 4.18 p.m.—"Telegraph" news.
 4.30 p.m.—Close down.
 4.35 p.m.—EARLY EVENING SESSION.
 4 p.m.—"Daily Standard" news; announcements.
 6.15 p.m.—Lectures: "What is Being Done for Consumptive Soldiers"—by Mrs. Y. J. Ryan.
 6.20 p.m.—"The Children's Seminar—Stories by 'Uncle Jim'."
 7 p.m.—Market reports; clock reports.
 7.30 p.m.—Weather news; announcements.
 7.45 p.m.—Standard time signals.
 7.45 p.m.—Lectures: "Motorists—Correct Lubrication" (Part No. 9)—by "Garropine."

NIGHT SESSION.

- ENICH JOHN'S CONCERT.
 The complete concert provided in the Studio of Mr. Enich John will be broadcast.
 PART I—OPERATIC.
 Double quartet, "Himmels Ruch" (from Meyerbeer's opera, "The Huguenots"); duet, "Buxtehude" (from Offenbach's opera, "Les Indes Noires"); Miss Audrey Bell (contralto) and Mr. Jack Lord (tenor); baritone solo, "Evening Star" (from Wagner's opera, "Tannhauser"); Mr. Ben Chloire; double quartet, "Onward to Battle" (from Verdi's opera, "Il Trovatore"); duet, "Dearest Lady" (from Flotow's opera, "Martha"); Miss Maliss Bannister (soprano), and Miss Milfred Bell (contralto); male quartet, "Chorus of Old Men" (from Gounod's opera, "Faust"); soprano solo, "Ombra Leggera" (from Meyerbeer's opera, "Dinorah"); Miss Maliss Bannister; duet, "The Moon is Delight" (from Gounod's opera, "Faust"); Mr. Geo. Williamson (tenor); and Mr. Ben Chloire (baritone); contralto solo, "Have I Lost Thee" (from Gluck's opera,

"Orpheus and Eurydice"; Miss Milfred Bell; double quartet, "Frandah" (from Donizetti's opera, "L'elisir d'Amore").

- PART II—SONGS OF THE EAST.
 Double Quartet, "Song of the Bela" (from Bantock's "Songs of China"); duet, "The Turkish Bell" and "Less Than the Dust" from Woodford-Finden's "Indian Love Lyrics"; Miss Milfred Bell (contralto), and Mr. Ben Chloire (baritone); tenor solo, "The Garden of Allah" (Marshall); Mr. George Williamson; male quartet, "Aïah" (Erich John); duet, "If in the Great Bazaar" and "Allah Be With Us" (from Woodford-Finden's "A Lover in Damascus"); Mrs. Thelma Chanson (soprano), and Mr. Geo. Williamson (tenor); contralto solo, "Her Jewels" (from Woodford-Finden's "Aïah"); Miss Audrey Bell; double quartet, "Fiesta of the Lanterns" (Bliss); duet, "Kashmir Song" (from Woodford-Finden's "Indian Love Lyrics"); Mr. Jack Lord (tenor) and Mr. Walter Lamb (tenor); male quartet, "Salaam" (Lang); Mr. Tom Ifrac; double quartet, "In the Temple" (from Bantock's "Songs of China").
 10.15 p.m.—FRIDAY.
 10 p.m.—"The Daily Mail" news; weather news.
 Close down.

5CL, ADELAIDE.

Tuesday. AFTERNOON SESSION.

- 2 p.m.—Chimes.
 2.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral selections (tenor); base hits.
 2.42 p.m.—From the Studio—Talk by the Rev. G. E. Hale B.A.
 4 p.m.—Chimes.
 4.1 p.m.—Relay from the Arcadia Cafe—Orchestral selections.
 4.55 p.m.—Station announcements.
 5 p.m.—Chimes and close down.

EVENING SESSION.

- 6 p.m.—Chimes.
 6.1 p.m.—Dinner music by the Central Gardens Restaurant Orchestra.
 6.30 p.m.—Bedtime stories by Uncle Jack and Uncle Andy.
 6.45 p.m.—Running time of the East West Express.
 6.50 p.m.—Bedtime Stories continued.
 7.30 p.m.—Market reports; Stock Exchange Intelligence; Retail Grocers Reports; Automobile Association Bulletin. Dave's Park Market Reports.
 7.35 p.m.—Lecturing Talk by "Spade."
 7.45 p.m.—"Dennis" and the Home Beautiful.
 8 p.m.—Chimes.
 8 p.m.—Relay from the Railways Institute.
 A special programme of Madrigals, Glee and Quartets by the Railway Glee Club.
 9.1 p.m.—Weather report.
 9.5 p.m.—Market reports; wheat report.
 9.31 p.m.—Dr. Fyfe.
 9.5 p.m.—Relay from Railways Institute.
 10 p.m.—"Advertiser" news service. Wireless Shipping.
 10.15 p.m.—From the Studio: (a) "Kyma" (opera tenor); George Horton (comedian); Helen Maguire (violin); Isabel Penny (pianist).
 10.57 p.m.—Tomorrow's programme, Station announcements, Weather Bulletin.
 11 p.m.—Chimes, National Anthem.

6WF, PERTH.

Tuesday.

- 12.30 p.m.—Time in.
 12.35 p.m.—First Local News Bulletin supplied by courtesy of "The West Australian" Newspaper Co. Market reports supplied by the Westralian Farmers Ltd. Cables supplied by the Australian Wireless Association.
 1 p.m.—Time signal from Perth Observatory.
 1.1 p.m.—Weather Notes supplied by the Meteorological Bureau of Western Australia.
 1.2 p.m.—Standard Instrumental Tone.
 1.30 p.m.—Close down.
 1.35 p.m.—Time in.

**Cost LESS
per Radio
Hour**



**YALE
RADIO
Batteries**

*Greater recuperation during
rest periods—is the reason
why YALE Batteries live
longer—costs less per radio
hour! Change to YALE!*

STOCKED BY ALL RADIO DEALERS
Wholesale Supplies from—
MORSON SWAN ELECTRIC CO. LTD.
BARRINGTONS LTD.

10.30 a.m.—Studio music.
10.35 a.m.—A Reading.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben."
Marching music for school children.
11.5 a.m.—A.P.A. and Renters' Cables.
11.10 a.m.—Studio music.
11.15 a.m.—A talk on Home Cooking and Re-
cipes by Miss Ruth Furst.
11.30 a.m.—Close down.
MIDDAY SESSION.
12 noon—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange, first call.
12.5 p.m.—Official weather forecast, rainfall.
12.10 p.m.—Summary of "Spring Morning
Herald" news service.
12.25 p.m.—Rugby wireless news.
Studio music.
12.35 p.m.—Marching music for school chil-
dren.
1.40 p.m.—DORRE CARROLL, mezzo.
"Dream Hour" (Broad).
1.45 p.m.—Studio music.
2 p.m.—"Big Ben."
Weather intelligence.
2.5 p.m.—"Evening News" midday news ser-
vice.
Producers' Distributing Society's Report.
1.50 p.m.—Studio music.
2.10 p.m.—Stock Exchange, second call.
2.30 p.m.—Marching music for school children.
3.40 p.m.—DORRE CARROLL, mezzo.
"Heart's Desire" (Slingsby).
3.44 p.m.—Studio music.
4 p.m.—"Big Ben." Close down.
AFTERNOON SESSION.
5 p.m.—"Big Ben" and programme announce-
ments.
5.5 p.m.—A Vocal and Pianoforte Recital by
the pupils of REX DE CAIRO'S REGO:
1. (a) "Lola's Song" from "Cavalleria Rus-
sicana" (Mascagni).
(b) "Advice" (Carew).
DOROTHY MORGAN.
2. (a) "Romance in G Major" (Schumann).
(b) "Intermezzo in G" (Rigo).
HILDA RACE.
3. Vocal duet, "Love the Cuckoo" (Fort-
son).
DOROTHY MORGAN and STANLEY
CLARESON.
4. (a) "Dance of the Sugar Plum Fairy"
(Tchikowsky).
(b) "To the Spring" (Grieg).
MILYORD SPRING.
5. (a) "Elegie" (Maurice).
(b) "Happy Song" (Ries).
MRS FOATE.
5.53 p.m.—Marching music for school children.
5.49 p.m.—JOYCE GILLESPIE, soprano.
"The Hallowed Hour" (Wood).
5.45 p.m.—Further items by the pupils of
REX DE CAIRO'S REGO:
6. Sonata in B Flat Minor" (Chopin) (1st
Movement).
IDA TEAR.
7. (a) "Sylvia" (Szeska).
(b) "The Elf King" (Schubert).
4 p.m.—PEGGY DONBAR, contralto.
"The Birds go North Again" (Winsky).
4.5 p.m.—FOUR BRACKELL, contralto.
"June Music" (Tread).
4.9 p.m.—Studio music.
4.17 p.m.—MAY CRAVEN, mezzo.
"A Dream Garden" (Phillips).
4.20 p.m.—JOYCE GILLESPIE, soprano.
"The Dowry loses the Marrying O'Flah-
erty".
4.24 a.m.—THE WENTWORTH SYMPHONIC
DANCE ORCHESTRA, under the Baton of
CYRIL KAYE.
4.31 p.m.—FOUR BRACKELL, contralto.
"Sweet and Low" (Gumersall).
4.35 p.m.—Studio music.
4.43 p.m.—PEGGY DONBAR, contralto.
"Wondering Why" (Clarke).
4.43 p.m.—Stock Exchange, third call.
4.47 p.m.—MAY CRAVEN, mezzo.
"The Glee Maiden" (Schumann).
4.50 p.m.—THE WENTWORTH SYMPHONIC
DANCE ORCHESTRA.
5 p.m.—"Big Ben." Close down.
EARLY EVENING SESSION.
5.45 a.m.—The chimes of 2PT.
5.50 a.m.—The "Hello Man" talks to the
children.

6.15 p.m.—Maude Hill and "Jerry" entertain
the young folks.
6.40 p.m.—Dinner music.
7 p.m.—"Big Ben."
Late Sporting news.
7.10 p.m.—Galveston's market reports (wool,
wheat and stock).
7.18 p.m.—Fruit and vegetable markets.
7.20 p.m.—Weather and shipping intelligence.
7.25 p.m.—"Evening News" late news service.
NIGHT SESSION.
7.40 p.m.—Programme announcements.
7.45 p.m.—Studio music.
8 p.m.—"Big Ben."
THE LYRIC WINTERGARDEN THEATRE
ORCHESTRA:
Jimmy Ellis and his Jazz Band.
8.10 p.m.—FROM THE KING'S HALL, SYD-
NEY. On the occasion of the presentation
by His Excellency the Governor, Sir Dudley
de Chair, of the obelisk to the various hos-
pitals, being the collections for the year
of the Saturday Hospital Fund.
A programme has been arranged by IFC
including the following artists:
DAISY RICHARDS, violinist.
(a) "On Wings of Song" (Mendelssohn).
(b) "Berceuse" (Townsend).
FRANK McCAHERAN, basso.
(a) "The Floral Dance" (Moss).
(b) "You Along o' Me" (Haymesen).
EDITH HARRY, songs at the piano.
(a) "Australian Nursery Rhymes"
(Harry).
(b) "Mother's Song" (Harry).
(c) "God" (Harry).
JACK WIN and NORA WINDLE in a
Comedy Sketch, entitled
"RAILWAY REVELATIONS."
A bright, breezy, breezy Burlesque.
HARRY THOMAS, vocalists.
At the Piano HORACE KEATZ.
9 p.m.—FROM THE STUDIO:
Mr. W. F. Kay in a new series of Stage
Talks.
No. 1. "The Lure of the Footlight."
9.15 p.m.—THE LYRIC WINTER GARDEN
THEATRE ORCHESTRA:
Jimmy Ellis' Jazz Band.
9.25 p.m.—FRANK McCAHERAN, basso.
(a) "Up from Strassett" (Sanderson).
(b) "In Collar Coat" (Traditional).
9.30 p.m.—WIN and WINDLE in a Radio
Sketch.
9.40 p.m.—EWARD CHAPPEL pianoforte
solo.
9.45 p.m.—DAISY RICHARDS, violinist.
(a) "Meditation" ("Thalia") (Massenet).
(b) "Berceuse" (d'Albini).
9.54 p.m.—THE LYRIC WINTER GARDEN
THEATRE ORCHESTRA:
Jimmy Ellis' Jazz Band.
10.5 p.m.—DANCING SESSION, conducted
by LEN MAURICE.
10.17 p.m.—Late news and announcements.
11 p.m.—"Big Ben."
DANCING SESSION, arranged by LEN
MAURICE.
11.30 p.m.—National Anthem,
close down.

2BL, SYDNEY.
Wednesday.
EARLY MORNING SESSION.
7 a.m.—G.P.O. clock and chimes.
Metropolitan weather forecast.
7.5 a.m.—State weather report.
7.4 a.m.—News service.
7.15 a.m.—G.P.O. clock and chimes.
Fruit market report.
7.18 a.m.—Vegetable market report.
7.20 a.m.—A.M.L. and F. Co's report.
7.24 a.m.—Dairy farm produce market report.
7.26 a.m.—Poultry market report.
7.30 a.m.—G.P.O. clock and chimes.
Musical programme from the Studio.
7.50 a.m.—News service.
7.41 a.m.—Boats in call by wireless.

- 7.43 a.m.—Mail information, shipping arrivals and departures, and port directory.
7.45 a.m.—G.P.O. clock and chiming.
News service.
8 a.m.—G.P.O. clock and chiming.
Close down.

MORNING SESSION.

- 11 a.m.—G.P.O. clock and chiming.
Musical programme from the Studio.
11.13 a.m.—Talk on "Golf" by Miss Varley.
Broadcasters' women's sports authority.
Social notes. Replies to correspondents by Mrs. Jordan.
Talk on "Dental Hygiene" by a member of the Dental Board.

AFTERNOON SESSION.

- 12 noon—G.P.O. clock and chiming.
Special ocean forecast and weather report.
12.3 p.m.—Musical programme from the Studio.
12.15 p.m.—Information. Mails, shipping and port directory.
12.16 p.m.—Boats in call by wireless.
12.20 p.m.—Fruit market report.
12.22 p.m.—Vegetable market report.
12.24 p.m.—London metal market report.
12.25 p.m.—Dairy and farm produce market report.
12.28 p.m.—Dairy and farm produce market report.
12.50 p.m.—G.P.O. clock and chiming.
Foreign market report.
12.52 p.m.—Fish market report.
12.54 p.m.—Rabbit market report.
12.56 p.m.—News from the "Sun."
12.45 p.m.—Hillier's Instrumental Quartet. Direction, Cyril Gaskling.
1.30 p.m.—G.P.O. clock and chiming.
Talk to children and special entertainment for children in hospital.
2 p.m.—G.P.O. clock and chiming.
Musical programme from the Studio.
Racing information broadcast immediately after each race by courtesy of the "Sun."
2.10 p.m.—Racing resume.
2.15 p.m.—News from the "Sun."
2.25 p.m.—Operatic talk.
3 p.m.—G.P.O. clock and chiming.
News from the "Sun."
3.15 p.m.—Musical programme from the Studio.
3.30 p.m.—G.P.O. clock and chiming.
Talk on "How to maintain your health." by Dr. Du Maurier.
3.50 p.m.—News from the "Sun."
4 p.m.—G.P.O. clock and chiming.
Musical programme from the Studio.
4.15 p.m.—Serial story.
4.30 p.m.—Musical programme from the Studio.
4.45 p.m.—News from the "Sun."
4.50 p.m.—Racing resume.
4.52 p.m.—Resume of night's programme.
4.54 p.m.—Announcements and What's On?
4.58 p.m.—Special ocean forecast.
5 p.m.—G.P.O. clock and chiming.
Close down.
- EARLY EVENING SESSION.
- 5.45 p.m.—G.P.O. clock and chiming.
Uncle Bass and the kiddies.
6.30 p.m.—Musical programme from the Studio.
- SPECIAL COUNTRY SESSION.
- 7 p.m.—G.P.O. clock and chiming.
Australian Mercantile, Land, and Finance Co's report.
Weather report and forecast by courtesy of Government Meteorologist.
Producers' Distributing Society's fruit and vegetable market report.
Stock Exchange reports.
Grain and fodder report ("Sun").
Dairy produce report ("Sun").
7.15 p.m.—Country news from the "Sun."
7.20 p.m.—Talk by a member of the St. John Ambulance Brigade.
8 p.m.—G.P.O. clock and chiming.
Broadcasters' Topical Chorus.
8.3 p.m.—The Canterbury District Band (Bandmaster, Mr. Stans. Nichols) broadcast from Baker's Hall, Campsie.
8.23 p.m.—An hour's programme presented from the Strathie Piano Salon.

BUY BRITISH BATTERIES

Fuller

CHADWELL HEATH, LONDON E.

"SPARTA"

RADIO, AUTOMOBILE AND HOUSE LIGHTING BATTERIES

HAVE A

WORLD WIDE REPUTATION

MORE AUSTRALIAN STOCKISTS REQUIRED

LIBERAL DISCOUNTS ALLOWED

SEND ORDERS THROUGH USUAL ENGLISH SHIPPER

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

CABLES—FULLER/CHADWELL HEATH.
Codes—Western Union (Fuller-pat) 255555. Ed. Bentley's

CONTRACTORS TO BRITISH & OVERSEAS
GOVERNMENTS, RAILWAYS & CORPORATIONS

C.T. 2828

While They Last

A small shipment of

Branson SUPER HET KITS



to be offered at the Remarkably Low
Price of

£17/15/-

(usually £21/10/-)

Complete with Transformers and all parts (with exception of Valves and Batteries) necessary to build THE HOLDS-BOTCH of Radio. Seven Valves included, giving the power of ten. Receive those INTERSTATE STATIONS up against air miles away from the local Stations.

Never before has such an after built extension to the public. Many ordinary five-valve sets are priced higher than the price for which you can build this Super Het.

Portable Cabinets

Build your Portable Set into this Cabinet. Price, fitted with Lamp aerial, and Loud Speaker £16/10/-

Zetka Valves

A further shipment here shortly.

W. Maling & Co.
30 Market St., Sydney

9.25 p.m.—Weather report and forecast, by courtesy of Mr. C. J. Mars, Government Meteorologist.

9.24 p.m.—Broadwaters' all-sports expert will

talk on Boxing.

9.23 p.m.—The Canterbury District Band.

9.19 p.m.—Resume of following day's programme.

10.2 p.m.—Dorothy Manning and Harry Graham in song and story.

10.15 p.m.—Cec Morrison and his Gloom-chasers broadcast from the ballroom of the Bondi Casino. During intervals between dances, "Globe" news will be broadcast.

11 p.m.—(G.P.O. clock and chimas. National Anthem.

2GB, SYDNEY

Wednesday.

MORNING SESSION.

9 a.m.—Music.

9.8 a.m.—"Cheriff's" Talk.

9.15 a.m.—Music.

9.25 a.m.—Psychological Class.

9.40 a.m.—Music.

9.45 a.m.—Health and Diet.

10 a.m.—Close down.

AFTERNOON SESSION.

2.30 p.m.—Music.

2.47 p.m.—Address.

3.20 p.m.—Music.

4.7 p.m.—Address.

4.22 p.m.—Music.

4.50 p.m.—Close down.

EVENING SESSION.

6.30 p.m.—Music. Children's Session.

7 p.m.—Music.

7.5 p.m.—Address.

7.15 p.m.—Music.

7.30 p.m.—Address.

7.50 p.m.—Music.

7.40 p.m.—Address.

7.45 p.m.—Duets for two Violas, with Piano

Accompaniment: DAN SCULLY, MONICA HORDER,

ADA BROOK.

8.1 p.m.—Address by Professor Herold Wood.

8.20 p.m.—Violin Solo, DAN SCULLY:

1. "Rondo" (Mozart-Kreisler).

8.25 p.m.—Song Cycle, "Flora's Holiday," arranged

by Loren Wilson:

1. "Come all ye lads and lasses" (Quartet).

2. "Love's Greeting" (Soprano).

3. "Tell Me, Charming Creature" (Lanet).

4. "Love's Dawn" (Quartet).

5. "The Country Dance" (Quartet).

6. "Maiden, Beware Ye" (Contralto).

7. "Sound Argument" (Haritone).

8. "The Poddy" (Catch).

9. "The Communion of Love" (Quartet).

CLEMENT HOSKING QUARTETTE:

Elsie Brown, Bunty Stuart, Frederick

Tyrell, Clement Hosking.

8.15 p.m.—Duets for two Violas with Piano

Accompaniment:

DAN SCULLY, MONICA HORDER,

ADA BROOK.

8.25 p.m.—Violin Solo, DAN SCULLY:

"Slavonic Dance" (Dvorak).

8.40 p.m.—Songs by Miss Elsie Brown:

1. "Hindoo Song" (Bimsky Komakow).

2. "Songs My Mother Taught Me" (Dvorak)

8.40 p.m.—Violin Solo, MONICA HORDER:

"Serenade" (Drigo).

"Accidente Cantabile" (Tchickowsky).

8.58 p.m.—Talk.

9 p.m.—Close down.

3LO, MELBOURNE.

Wednesday.

MIDDAY SESSION.

12 noon.—Time signal. Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. British Official news from Rugby, Bristol, and The Australian Press Association, Cables. "Argus" news service.

12.20 p.m.—JOE ARONSON'S SYNCOPATING

SYMPHONISTS:

"Put on my Lousome Hours"

"Call Me Early in the Morning"

"I'm Gonna Charleston Back Home" (Byron)

12.30 p.m.—FOSTER and NEEDHAM, by

Frank Foster: "This Love of Ours"

(Dvorak).

Duo: "Fishermen" (Gubast).

Robert Needham: "Narcissus."

12.40 p.m.—Stock Exchange information.

12.45 p.m.—JOE ARONSON'S SYNCOPATING

SYMPHONISTS:

"How Could Red Riding Hood"

"My Pal Jerry" (Howe).

"Blame It on the Valtz" (Kahn).

12.55 p.m.—ETHEL FORSHAW, soprano:

"Softly, Softly" (Webster).

"If I were a Lark" (Clinton).

1 p.m.—JOE ARONSON'S SYNCOPATING

SYMPHONISTS:

"He's the Last Word" (Scarpito).

"Dog on the Piano" (Kahn).

"Mr. Tse, Ho, Ho, Ha, Ha."

1.10 p.m.—Meteorological information. Ship-

ping intelligence. Weather forecast for

Victoria, South Australia, Tasmania and

New South Wales. Ocean forecast. River

reports. Rainfall for Victoria, South Aus-

tralia, Tasmania, and New South Wales.

1.15 p.m.—JOE ARONSON'S SYNCOPATING

SYMPHONISTS:

"Oh, Marie" (Di Capra).

"The Far Away Bell" (Gordon).

"If I Didn't Know Your Husband and You

Didn't Know My Wife."

1.25 p.m.—EILEEN BURCHALL, baritone:

"The Late Player" (Allison).

"Tommy Lad" (Margison).

1.35 p.m.—JOE ARONSON'S SYNCOPATING

SYMPHONISTS:

"Oriental Moonlight" (Sommer).

"I'm Going to Plant a Rose in California"

(Swift).

"School Day Sweethearts" (Edwards).

1.45 p.m.—ETHEL FORSHAW, soprano:

"By the Simplicity of Venus Doves"

"Where the Bee Sucks" (Hullak).

1.55 p.m.—JOE ARONSON'S SYNCOPATING

SYMPHONISTS:

"My Cute & Dne at Two to Two Today"

(Robin).

"Lonely Eyes" (David).

"My 'Mama' in Town" (Hirsh).

2 p.m.—Description of Halls Hurdi Race, two

miles, MELBOURNE HUNT CLUB, at

MOONEE VALLEY, by "Musket," of

"the Sporting Globe."

2.30 p.m.—Description of SPRINGVALE

CORINTHIAN RACE, 1 1/4 miles, MEL-

BOURNE HUNT CLUB, at MOONEE

VALLEY RACES, by "Musket," of

"the Sporting Globe."

2.35 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—Description of Handicapped Plate

MELBOURNE HUNT CLUB RACES, at

MOONEE VALLEY, by "MUSKET," of

"the Sporting Globe."

3.5 p.m.—STUDIO ORCHESTRA:

"Cockney Suite," Part 1 (Kotelsky).

3.15 p.m.—FOSTER and NEEDHAM,

Comedy Sketch.

3.25 p.m.—ELSA TIERMAN, Violin:

"Walters Price Song" (Wagner).

3.30 p.m.—Description of Melbourne Hunt Cup,

about three miles, MELBOURNE HUNT

CLUB RACES, at MOONEE VALLEY, by

"Musket," of "the Sporting Globe."

3.35 p.m.—ELSA STRALLA, soprano:

"Angels Guard Thee"

"Bea Regina" (Sommer).

3.45 p.m.—CAPTAIN DONALD MACLEAN:

"Pirate and More Pirates."

4 p.m.—STUDIO ORCHESTRA:

"My Secret" (Glabie-Marie).

"Sweet Justice" (Bendin).

4.10 p.m.—Description of Handicapped Purse,

MELBOURNE HUNT CLUB, at MOONEE

VALLEY, by "Musket," of "the Sporting

Globe."

4.15 p.m.—STUDIO ORCHESTRA:

"Cockney Suite," Part 2 (Kotelsky).

4.25 p.m.—MILNER AND CONNIE:

Song with Piano and Violin. "Oh, If I

Only Had You."

Banjoists' Dance. "Choo, Choo Blues."

4.35 p.m.—AGNES FORTUNE, Piano:

"Rhapsodie Mignonne" (Koeffling).

4.40 p.m.—Description of Cup, Two-Year-

Old Handicap, MELBOURNE HUNT CLUB,

at MOONEE VALLEY, by

"Musket," of "the Sporting Globe."

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

5.5 p.m.—Close down.

EVENING SESSION.

5.58 p.m.—Answers to Letters and Birthday "Greetings" by "MARY, MARY."

6 p.m.—STUDIO ORCHESTRA:
"Childhood Memories."

6.10 p.m.—VERONICA COX, soprano:

"Kentucky Belle" (Orbitt).

"Ma Curly Headed Baby" (Crisman).

6.17 p.m.—A MUSICAL COMPETITION FOR THE KIDDIES.

6.30 p.m.—STUDIO ORCHESTRA:

"Baby's Opera" (Byng).

ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TODAY—

"A match is a useful and wonderful tool, not a plaything designed for a child or a fool."

6.40 p.m.—Official report of Newmarket stock sales—hollocks and calves—by the Associated Stock and Station Agents of Melbourne, Bourke-street, Melbourne.

6.45 p.m.—"Herald" news service. Weather and aerial mail information by the Australian Aerial Service, Ltd.

6.56 p.m.—Stock Exchange information.

7.2 p.m.—Fish market reports by J. K. Barrett, Ltd. Rabbit prices.

7.5 p.m.—River reports.

7.9 p.m.—Market reports of fruit by the Victorian Fruitcrackers' Association, compiled by "The Fruit World."

NIGHT SESSION.

7.15 p.m.—Under the auspices of the DEPARTMENT OF AGRICULTURE—

MR. W. H. JEWELL, Agricultural Research Chemist:

"Valuing Fertilisers."

7.38 p.m.—Story of a TRIP TO RUSSIA, by an Australian—Part 3.

7.45 p.m.—CAPTAIN C. H. PETERS:

"Booze, Wine and Otherwise."

8 p.m.—ORCHESTRAL CONCERT BY UNIVERSITY SYMPHONY ORCHESTRA.

(Conductor, Professor Bernard Heinze).

SYMPHONY ORCHESTRA:

Overture, "Figaro" (Mozart).

Symphony, the "Unfinished" 1st Movement (Schubert).

LILLIAN GEORGE, Songs:

"The Lonely Stoppe" (Gretchaninoff).

"The Cloths of Heaven" (Dunhill).

"Diaphana" (Berold, Samuels).

SYMPHONY ORCHESTRA:

Ballet Music from Rosamunde (Schubert)

Minuet in A (Boccherini).

MABEL NELSON, Songs:

"Waile I with Grief" (Turcell).

"The Fuchata Tree" (Quiller).

SYMPHONY ORCHESTRA:

Tone Poem—Finlandia (Sibelius).

Valde Triste (Sibelius).

LILLIAN GEORGE, Songs:

"Obstination" (Fontenailles).

"Fleurs mes yeux" (Massenet).

Hymn to the Sun (Gesner).

SYMPHONY ORCHESTRA:

Præluatium (Jaresefeldt).

Capriccio Espagnole (Rimsky-Korsakoff).

Flying Dutchman (Wagner).

MABEL NELSON and LILLIAN GEORGE:

"Duet from Lohengrin" (Wagner).

SYMPHONY ORCHESTRA:

"Fete Boheme" (Massenet).

"Introduction to Third Act, Lohengrin" (Wagner).

"Marche Hongroise" (Berlioz).

10 p.m.—FOSTER and NEEDHAM:

Frank Foster, Song, "When Bright Eyes Glance" (Hodgcock).

Duet, "Larboard Watch."

Robert Needham, Song, "Shipmates o' Mine" (Sanderson).

10.10 p.m.—Meteorological information. British Official Wireless news.

ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TODAY—

CHILDREN: A match is a useful and wonderful tool. Not a plaything, designed for a child or a fool."

10.14 p.m.—MILDRED AND CONNIE:

Academics, "Take in the Sun."

Benjoline Duet, "Nobody's Business."

Euro Solo, "Requise."



This is the New Type Burgess "A" Battery

Specially designed for radio use, it is easy to handle and fits neatly into the cabinet.

This new Burgess enables the radio set owner to tune in with the same degree of confidence as that gleaned from association with the famous Burgess "B" Battery and all other products bearing the Burgess name.

Obtainable from only
the higher-class Radio
Dealers.

A fine colored booklet on "Adventures of Burgess" (No. 100) will be sent free on application to

NEW SYSTEM TELEPHONES PTY. LTD.
280 Castlereagh Street, Sydney
25 Queen's Bridge St., Melbourne
Charles Street, Adelaide

Queensland Agents:

CANADA CYCLE & MOTOR AGENCY (Q.) LTD.

Cr. Creek and Adelaide Sts., Brisbane

Make Sure you are supplied with genuine

CARBORUNDUM Detectors

They are GUARANTEED.

Two Great Carborundum Radio Products



11/- each

CARBORUNDUM RADIO DETECTOR.

In fixed—permanent—no adjustments, nothing to get out of order, and won't burn out. Brings true, clear crystal tones to any reflex or crystal set. Simply connect each end and tune in.



27/6 each

Without Battery

CARBORUNDUM STABILISING DETECTOR UNIT.

Built around the Carborundum Fixed Detector is this highly efficient Stabilising device. Absolutely controls self oscillation in radio frequency tubes and permits operation at peak of regeneration.

A small sized flash-light battery in all it needs.

- 10.35 p.m.—"Argus" news service. Announcements.
- 10.45 p.m.—SIDNEY BIRCHALL, Baritone: "Conquer" (Hutchinson).
- "Three of Them" (London).
- 10.45 p.m.—JOE ARONSON'S SYNCOPATING SYMPHONISTS: "It's a Wonderful World After All" (Davis).
- "A Little Garden" (Yoko).
- "Mary Lou" (Lyman).
- "No Pauls" (Owen).
- "Indian Love Call" (Trind).
- 11 p.m.—OUR GREAT THOUGHT: "A man has no more right to say an unkind thing than to act one; no more right to say a true thing to another than to knock him down."—Johnes.
- 11.1 p.m.—JOE ARONSON'S SYNCOPATING SYMPHONISTS.
- 11.30 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Wednesday.

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

MIDDAY CONCERT SESSION.

Transmitted from Princes Parade, 252 Collins Street. An excellent presentation of Wills and Paton Ltd., on the Brunswick Peninsula.

- 12.1 p.m.—British Broadcasters' Symphony Orchestra: Overture, "Semiramide" (Rusini) in 2 movements.
- 12.3 p.m.—Miss Gerrie Horwin, Contralto (with Orchestra): "Ora Pro Nobis" (Pionolomini).
- "Love's Old Sweet Song" (Malloy).
- 12.45 p.m.—Singer Giuseppe Di Silvio, "Cello": "The Broken Melody" (Van Breen).
- 12.50 p.m.—The Gypsy Orchestra (Conductor, Mr. Harry Hodges): "Marilyn" (Szerbach).
- "Fleurs d'Amour" (Willemot).
- 12.55 p.m.—The Record Boys, Tenor and Yodeler, with Piano: "Sally's got the Name Old Sally" (Bernard).
- "Yodelin' Bill" (Bernard).
- 12.55 p.m.—Hotel Rossetti Orchestra (Conductor, Mr. Ben Rossetti): "I'm Telling the Birds, Telling the Bee" (Airt).
- "If I Only Believed in You" (Davis).
- 12.57 p.m.—The Concert Trio, Violin, Flute, Harp: "Simple Aven" (Themel).
- "Oh in the Silly Night" (Moore).
- 12.41 p.m.—Eug Lopez Orchestra (Conductor, Senior Vincent Lopez): "Hello, Babe!" (Friend).
- 12.46 p.m.—Mr. Edgar Coyle, Baritone (with Orchestra), Indian Love Lyrics: "Love's Head the Dawn" (Woodford-Flinders).
- "The Temple Bells" (Woodford-Flinders).
- 12.52 p.m.—National Military Band: March, "Liberty Bell" (Shannon).
- March, "Under the Double Eagle" (Wagner).
- 1.0 p.m.—Close Down.

MATINEE SESSION.

- DANCE CONCERT.
- 2.30 p.m.—Studio Orchestra: Overture, "La Dame Blanche" (Boisdeux).
- "The Turkish Patrol" (Mebastian).
- 2.45 p.m.—Ayers Danzoniens.
- 2.55 p.m.—Mr. Ernest Pettifer, Saxophone: "Valse Brillante" (Ernest Pettifer).
- 2.8 p.m.—Studio Orchestra: "Trompe l'Amour" (Lefeb).
- 2.39 p.m.—Miss Elsie Bransley, Piano: "Für Elise" (Beethoven).
- 2.33 p.m.—Ayers Danzoniens.
- 2.52 p.m.—Mr. Fred Champion, Homage Entertainment.
- 4.0 p.m.—G.P.O. Clock Says "Four."
- 4.1 p.m.—3rd Weather Forecast.
- 4.4 p.m.—Studio Orchestra: "Childhood Scenes" (Bizet).
- "Dumplings" (Kera).
- 4.28 p.m.—Mr. Hubert Pettifer, Violin: "Romance in B" (Beethoven).
- 4.32 p.m.—Mr. Fred Champion, Homage Entertainment.
- 4.40 p.m.—Ayers Danzoniens.
- 4.45 p.m.—"Tonight's Entertainment."
- 5.0 p.m.—G.P.O. Clock Says "Five"; Close Down.

CHILLAGEN'S SUSSMAN, 6.30 p.m.—"The Farmyard Five" EVENING SESSION. SOUND THE WORLD ON TOP.

- MUSIC.
- Purser, Mr. V. Vinton-Brown.
- 7.10 p.m.—Mr. R. P. G. Fisher, Stamp Collecting for young and old.
- 7.40 p.m.—Sussman, McTulloch (of the Tasmanian Planning Commission), Ten minutes Talk of Popular Interest.
- 7.50 p.m.—Market Reports, Notices.
- 8.0 p.m.—NIGHT BELLS. The Whistle Blows: All Aboard; Cast Off. The good ship, "Music" starts on her entertaining tour of the world. The following are Captain Moore's secret party on board, and as the ship touches at each country they will celebrate the event with appropriate musical honours.
- Miss Pierre Gerlach, Contralto.
- Miss Minnie Marks, Soprano.
- Mr. Rowland Thomas, Tenor.
- Mr. Charles Trowald, Baritone.
- Mr. Walter Barker, Harp.
- Mr. J. Harcourt-Palton, Entertainer.
- Mr. Carior and Mr. Buckland, Guitars.
- Mr. Walter Quinn, Drums.
- 8.1 p.m.—Australia: "Wattle Blossom and Bee-yanka."
- 8.6 p.m.—New Zealand: "Palms and Surf-Breaks."
- 8.12 p.m.—America: "Redwoods and Doughnuts."
- 8.30 p.m.—Japan: "Wistaria and Geisha."
- 8.36 p.m.—China: "Poppies and Pagodes."
- 8.47 p.m.—India: "Lotus Flowers and Temple Bells."
- 8.51 p.m.—Egypt: "Pyramids and Shells."
- 8.54 p.m.—Italy: "Cypress Trees and Spaghetti."
- 8.8 p.m.—France: "Fleur de lys and Bouc-cards."
- 9.7 p.m.—Spain: "Mazurkas and Bull-Fights."
- 9.25 p.m.—Ireland: "Shamrocks and Sham-lucks."
- 9.43 p.m.—Scotland: "Thistles and Kilt."
- 9.53 p.m.—Wales: "Cocks and Juncos."
- 9.58 p.m.—England: "Roses and Raggs Bells."
- 10.0 p.m.—London: "Big Ben" Chimes the Hour at Westminster.
- 10.10 p.m.—Australia Again: The "Age" News Bulletin.
- 10.12 p.m.—Dance Hour: Farewell to the Ship and a Grand Ball on the Promenade.
- 10.15 p.m.—The Music of Mr. Harry Naugle and Leggett's Orchestra.
- 10.55 p.m.—The Purser Announces Tomorrow's Entertainment.
- 11.0 p.m.—Light's Out; God Save the King.

4QG, BRISBANE.

Wednesday.

- EARLY MORNING SESSION.
- 6.30 p.m.—Physical culture session.
- 7 a.m.—Close down.
- MIDDAY SESSION.
- 1 p.m.—Market reports; weather information; "The Daily Mail" and "The Daily Standard" news.
- FROM THE G.P.O.—
- 1.20 p.m.—Lunch hour music played by the Postal Institute Orchestra.
- FROM THE OBSERVATORY.
- 1.24 p.m.—Standard time signal.
- 2 p.m.—Close down.
- AFTERNOON SESSION.
- FROM HOTEL CARLTON.—
- 2.15 p.m.—Afternoon tea music from the Lounge, played by Hotel Carlton Symphonic Orchestra.
- FROM THE STUDIO.—
- 4.15 p.m.—Ready Talk by Dorothy Webster; and "Tonight's News."
- 4.30 p.m.—Close down.
- EARLY EVENING SESSION.
- 6 p.m.—"Daily Standard" news; announcements.
- 6.15 p.m.—Lecturette: "The Story of a Steel Bridge"—by Mr. Gilbert Taylor (Secretary Queensland Preference League).
- 6.30 p.m.—"The Home"—stories by "Little Miss Brisbane."
- 7 p.m.—Market reports; stock reports.
- 7.20 p.m.—Weather news; announcements.
- 7.35 p.m.—Standard time signal.
- 7.45 p.m.—Lecturette arranged by the Queensland Agricultural High School and Queensland

NIGHT SESSION.
TIVOLI THEATRE.

By courtesy of Haymarket Theatres, Ltd., half-an-hour's musical programme will be relayed from the Tivoli Theatre.

FROM THE TIVOLI THEATRE.
8 p.m.—Music by the Tivoli Operatic Orchestra (conductor, Mr. C. Groves).

WINDSOR BAND.

FROM THE STUDIO.
8.30 p.m.—March, "Windsor" (Alex. Pirie), the Windsor Municipal Band (conductor, Mr. Alex. Pirie); contralto solo, "They Say" (Evans), Miss Winifred Anderson; cornet solo, "Zola" (Gode), soloist, Mrs. Fitzgerald (accompanied by the Windsor Band); soprano solo, "Rose Safely Blooming" (Spohr), Miss Ellen Noone; grand selection, "March Spanish" (Auber), the Windsor Band; waltz, "Nights of Gladness" (Arncliffe), the Windsor Band; contralto solo, "Marietta" (Handl), Miss Winifred Anderson.

9 p.m.—Metropolitan weather forecast, March, "God as Gold" (Reeves), the Windsor Band; a thought for to-night (Will H. Lester), "Electricity"; pianoforte solos—"Nordische Tans" Nos. 11 and 15 (Grieg), Rev. P. O. Brookes.

THE STUDIO ORCHESTRA.

An Alpine fantasia, "Voice of the Bella" (Thorham), the Studio Orchestra (conductor, Mr. A. H. Fenderson); contralto solo, "Bonnie Banks of Loch Lomond," Miss Ella Howie; harp solos—(a) "Kate O'Shane" (Irish melody), (b) "Masurka" (Schubert), Mrs. Crispin; monologue, "Poor Butterfly," Miss Elison McEwan; one-step, "The Kisses Courtesan" (MacKenzie), the Studio Orchestra.

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

5CL, ADELAIDE.

Wednesday.

AFTERNOON SESSION.

3 p.m.—Chimes.
3.15 p.m.—Relay from the Maple Leaf Cafe—Orchestral selections.
3.40 p.m.—Studio Music.
4 p.m.—Chimes.
4.15 p.m.—Relay from the Arcadia Cafe—Orchestral selections.
4.45 p.m.—Station announcements.
5 p.m.—Chimes and close down.


EVENING SESSION.

6 p.m.—Chimes.
6.15 p.m.—Relay from Capcut Garden Restaurant—Orchestral selections.
6.30 p.m.—Childrens Entertainment.
7.30 p.m.—Market reports, stock Exchange Intelligence, Retail Grocers report, Automobile Association Bulletin.
7.55 p.m.—Bay Section Corner.
8.00 p.m.—Foglight's Scientific Talk.
8.10 p.m.—Chimes.
8.15 p.m.—Angelo Demolena's Mandolin Band, James Barrett (baritone), Mrs. Hubert James (contralto), Tom Chandler (bass), Vera Cheney (whistling novelty), Gerald Healy (tenor), Katie Yeager (soprano).
8.35 p.m.—Motor talk by "Accelerator."
8.40 p.m.—Studio concert continued.
9.1 p.m.—Weather report.
9.2 p.m.—Dalgry's wheat report.
9.3 p.m.—Studio concert continued.
9.40 p.m.—Relay Malton De Dance Orchestra.
10 p.m.—From the Studio, Advertiser News Service, Wireless shipping.
10.15 p.m.—Relay Malton De Dance Band.
10.45 p.m.—Tomorrow's programme, Station announcements, weather Bulletin.
11 p.m.—Chimes, National Anthem.

6WF, PERTH.

Wednesday.

12.30 p.m.—Time in.
12.35 p.m.—First Local News Bulletin supplied by courtesy of "The West Australian"—Newspaper clip, Market reports supplied by the Westralian Farmers Limited, cables supplied by the Australian Press Association.

Lowest Cost per
Radio Hour

Customer: "Fine! Perfectly clear and not a trace of crackle or buzz!"

Salesman: "That's a Philco Battery for you. For purity and strength it stands alone."

The superb 83X Philco "B" Battery gives trouble-free service for years and its super-power and tremendous capacity recommend it for use particularly with multi-valve sets.

Moreover, it may be recharged at home—from any home-lighting plant for a few pence and it lasts for years.

Obtainable from all high-class dealers.

Wholesale distributors:

New System Telephones Pty. Ltd.,

280 Castlereagh Street, Sydney

25 Queen's Bridge St.,
Melbourne

Charles Street,
Adelaide

F. M. C.

No. "B" BATTERY UNIT



By the addition of **AEROVOX CONDENSERS** this unit may be made into a "B" Battery Eliminator to deliver from 22-220 volts at 85 milliamps with Raytheon B. H. Tube.

£6/7/6

INTERNATIONAL RADIO CO. LTD.

200 Castlereagh Street, SYDNEY

- 1 p.m.—Time Signal from Perth Observatory.
 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 1.2 p.m.—Lunch Hour Concert.
 Concert arranged by Messrs. Musgrave Limited, relayed from Lyric House.
 1.30 p.m.—Studio broadcast from the Studio.
 2 p.m.—Close down.
 2.30 p.m.—Tune in.
 3.30 p.m.—Musical programme, including Pianoistic selections by Miss Evelyn Wallis, A.R.C.M.
 4 p.m.—Studio Instrumental Trio.
 4.30 p.m.—Close down.
 4.45 p.m.—Tune in.
 4.50 p.m.—Hollins Starke by Utafe Duffy.
 7.20 p.m.—Stock and Share Intelligence supplied by courtesy of Messrs. Saw and Ericwood Limited. Market reports supplied by the Westralian Farmers and Producers Markets Limited. Second Local News Bulletin supplied by courtesy of "The West Australian" Newspaper Coy. Cables supplied by the Australian Press Association.
 7.45 p.m.—Talk.
 8 p.m.—Time Signal from Perth Observatory.
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of West Australia.
 8.2 p.m.—Concert Night.
 Items by the "Revelers" Concert Party.
 10 p.m.—Late news supplied by courtesy of "The Daily News" Newspaper Coy. Weather forecast, and share within range.
 10.30 p.m.—Close down.

7ZL, HOBART

Wednesday.

EARLY EVENING SESSION.

- 6.30 p.m.—"Uncle Peter's" half hour.
 7 p.m.—Story from "Illustrated Tasmanian Mail." Birthday Greetings.

NIGHT SESSION.

- 7.30 p.m.—Musical selection.
 7.35 p.m.—Talk by Mr. P. H. Thomas, Fruit Expert, Tasmanian Government.
 Subject, "Reworking of Fruit Trees."
 7.50 p.m.—"Mercury" special Tasmanian news service.

Railway Auction Produce Sales.

Weather forecasts.

Hobart Stock Exchange quotations.

Ambulances and Stars. Market reports, through the courtesy of Roberts and Co. Ltd., Murray Street, Hobart.

- 8 p.m.—G.P.O. Clock Chimes.

- 8.1 p.m.—Request Orchestral Selections by 7ZL Orchestra, interspersed with items by Miss E. Henry (elocutionist), Mr. George Muir (tenor), Mrs. B. Saunders (accompanist), Miss Jean Hibbard (mezzo-soprano).
 9.40 p.m.—British official wireless news.
 9.50 p.m.—"Mercury" special interstate news service.

Tasmanian district weather reports

9 p.m.—Weather forecasts.

Station announcements.

National Anthem.

Thursday, August 4 2FC, SYDNEY

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
 7.5 a.m.—Studio music.
 7.15 a.m.—COUNTRY SESSION: official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence—mail service.
 7.25 a.m.—Investment market, mining share market, metal quotations.
 7.35 a.m.—Wool sales, breadstuffs markets, interstate market, grain, markets.
 7.45 a.m.—"Sydney Morning Herald" summary.
 8 a.m.—"Big Ben." Close down.

MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
 10.5 a.m.—Studio music.
 10.15 a.m.—"Sydney Morning Herald" news service.

10.30 a.m.—Studio music.
 10.50 a.m.—A talk by the 2FC Racing Commissioner.
 10.45 a.m.—Studio music.
 11 a.m.—"Big Ben."
 Marching music for school children.
 11.6 a.m.—A.P.A. and Reuter's Cable Services.
 11.10 a.m.—Studio music.
 11.15 a.m.—A Missing.
 11.20 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
 12.2 p.m.—Stock Exchange, first call.
 12.3 p.m.—Official weather forecast, rainfall, temperatures.
 12.5 p.m.—Studio music.
 1.00 p.m.—Summary of "Sydney Morning Herald" news service.
 Rugby wireless news.
 12.35 p.m.—Studio music.
 1.30 p.m.—Marching music for school children.
 1.40 p.m.—ENID D'ARCY, soprano:
 "Who is Sylvia?" (Schubert).
 1.45 p.m.—Studio music.
 1 p.m.—"Big Ben." Weather intelligence.
 1.3 p.m.—"Evening News" midday news service.
 Producers' Distributing Society's Report.
 1.20 p.m.—Studio music.
 1.25 p.m.—Stock Exchange, second call.
 1.30 p.m.—Marching music for school children.
 1.40 p.m.—ENID D'ARCY, soprano:
 "Fairy Boat" (Harry).
 1.44 p.m.—Studio music.
 1.45 p.m.—Last minute sporting information by the 2FC Racing Commissioner.
 2.5 p.m.—Close down.

AFTERNOON SESSION.

2 p.m.—"Big Ben" and programme announcements.
 2.5 p.m.—A Recital by the pupils of Miss Gertrude Barton.
 3.00 p.m.—Marching music for school children.
 3.40 p.m.—ALLEN BEAR, mezzo (from Farmer's Tea Rooms).
 3.45 p.m.—GLADYS GORDON, contralto:
 (a) "Deep down in my Heart" (Rache).
 (b) "Just an Icy-crowned Steak" (Rupp).
 3.52 p.m.—Further items by the pupils of Miss Gertrude Barton.
 4 p.m.—GLADYS AUBIN, soprano (from Farmer's Tea Rooms):
 "A Dream Garden" (Phillips).
 4.5 p.m.—Studio music.
 4.10 p.m.—EILY ECKFORD MARTIN, soprano:
 "The Nightingale and the Rose."
 4.14 p.m.—Studio music.
 4.20 p.m.—ALLEN BEAR, mezzo (from Farmer's Tea Rooms).
 4.24 p.m.—GLADYS GORDON, contralto:
 (a) "The Rosary" (Nevin).
 (b) "We'd better bide a Wee" (Old Scotch).
 4.30 p.m.—Studio music.
 4.40 p.m.—GLADYS AUBIN, soprano:
 "Piper Jane" (Carew).
 4.45 p.m.—Stock Exchange, third call.
 4.47 p.m.—EILY ECKFORD MARTIN, soprano:
 "The False Prophet" (Sect).
 4.50 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA, under the baton of MR. WYLL KAYE.

5 p.m.—"Big Ben." Close down.
 EARLY EVENING SESSION.
 5.45 p.m.—The chimes of 2FC.
 5.50 p.m.—The "Hello Man" talks to the children.
 6.20 p.m.—Story time for the young folks.
 6.40 p.m.—Dinner music.
 7 p.m.—"Big Ben."
 Late Sporting news.
 7.10 p.m.—Dunlop's market reports (wheat and stock).
 7.15 p.m.—Fruit and vegetable markets.
 7.20 p.m.—Weather and shipping intelligence.
 7.25 p.m.—Late "Evening News" news service.

NIGHT SESSION.

7.40 p.m.—Programme announcements.
 7.45 p.m.—A talk by the Technical Editor of "Wireless Weekly."
 7.54 p.m.—In commemoration of the outbreak of the Great War, 4th August, 1914.



The CROSLEY
 Five Tube 5-50
 for
 £24-0-0
 with 5 De Forest D.O.I.s
 and while they last
 100 as an introductory offer



Crosley Musicone
 £3-5-0 adjustable

INTERNATIONAL RADIO CO. LTD. 200 CASTLEREAGH ST. SYDNEY

Baldwin Speakers

Volume and Tone.



Symphon

£4/3/-

Concert

£5/5/-



Cabinet Type, £4/15/-

Get a Catalogue of

ASTOR FIVES.

Astor 5, Table, £26 Complete £39-5-6

Astor 5, Console, £35 " £48-5-6

Porta Self Contained " £37-10-0



Armax "B" Batteries Last Longest
Single Drawn Cells, 25/-

Distributors to the Trade for Astor Sets, Porta,
Baldwin Speakers, Neutron and Armax Batteries.

Manufacturers Products Pty. Ltd.
Challis House, Martin Place :: Sydney

Use Neutron Crystal. THE BEST 2/3

- 8 p.m.—"Big Ben."
- THE RANDWICK MUNICIPAL BAND.
- 8.15 p.m.—PERCY MCKAY, basso.
- (a) "The Two Gnomes" (Gibson).
- (b) "The Floral Dance" (Mass).
- (c) "Yacht" (Addins).
- 8.23 p.m.—The 6th broadcast clock continued by EDGAR WARWICK, assisted by EILEEN DAWSON, violinist.
- "COINTE BEFORE YOU SPEAK"
- 8.35 p.m.—THE RANDWICK MUNICIPAL BAND.
- 8.50 p.m.—AD CRIBB, British comedian.
- "George's Wedding Day" (Frasier).
- 8.56 p.m.—PERCY MCKAY, basso.
- "Drake (Jazz Walt)" (Anderson).
- 9 p.m.—"Big Ben."
- THE RANDWICK MUNICIPAL BAND.
- 9.12 p.m.—Music Competition No. 2, in which Mr. Cliff Arnold will take listeners into the interior of a Musical Biscuitbox.
- 9.20 p.m.—MIRCHA DOBRINIKI, violinist.
- (a) "Swing Song" (Baxter).
- (b) "Habemus" (Wentz).
- 9.21 p.m.—A Book Review by Mr. GUY'S SMITH.
- 9.35 p.m.—THE RANDWICK MUNICIPAL BAND.
- 9.43 p.m.—NELLIE CHADWICK, soprano.
- "Marilyn" (Speck).
- 9.47 p.m.—AD CRIBB, British comedian.
- "Nancy Nettie" (Cree).
- 9.53 p.m.—PERCY MCKAY, basso.
- (a) "The Sea Road" (Wood).
- (b) "Nestor" (Gibson).
- 10 p.m.—"Big Ben."
- THE RANDWICK MUNICIPAL BAND.
- 10.10 p.m.—NELLIE CHADWICK, soprano.
- "Open the Big Eye" (Massenet).
- 10.24 p.m.—MISCHA DOBRINIKI, violinist.
- (a) "Andante" (Martini-Vieljeux).
- (b) "Ballade and Rhapsodie" (Francois-Keville).
- 10.51 p.m.—AD CRIBB, British comedian.
- "Up at this Morning" (Lyffe).
- 10.56 p.m.—DANCING SESSION, conducted by LEN MAURICE.
- 10.58 p.m.—NELLIE CHADWICK, soprano.
- "No Wind, no Gullies" (Rowell).
- 10.42 p.m.—DANCING SESSION.
- 10.57 p.m.—Late news and announcements.
- 11 p.m.—"Big Ben."
- DANCING SESSION, arranged by LEN MAURICE.
- 11.30 p.m.—National Anthem.
- Close down.

2BL, SYDNEY

Thursday.

- EARLY MORNING SESSION.
- 7 a.m.—G.P.O. clock and chimes.
- Metropolitan weather forecast.
- 7.2 a.m.—State weather report.
- 7.4 a.m.—News service.
- 7.12 a.m.—G.P.O. clock and chimes.
- Freight market report.
- 7.18 a.m.—Vegetable market report.
- 7.20 a.m.—Australian Mosaic, Land and Finance C's report.
- 7.24 a.m.—Bulky farm produce market report.
- 7.28 a.m.—Fowley market report.
- 7.30 a.m.—G.P.O. clock and chimes.
- Musical programme from the Studio.
- 7.36 a.m.—News service.
- 7.41 a.m.—Bells in call by wireless.
- 7.45 a.m.—Mail information, shipping arrivals and departures, and port directory.
- 7.48 a.m.—G.P.O. clock and chimes.
- News service.
- 8 a.m.—G.P.O. clock and chimes.
- Close down.
- MORNING SESSION.
- 10.30 a.m.—G.P.O. clock and chimes.
- Musical programme from the Studio.
- 10.40 a.m.—News service.
- 10.50 a.m.—Musical programme from the Studio.
- 11 a.m.—G.P.O. clock and chimes.
- Announcement.
- 11.5 a.m.—Musical programme from the Studio.

- 11.15 a.m.—Social notes. Replies to correspondents by Mrs. Jordan.
Talk on "Decorating Rooms" by a practical man.
- 12 noon.—G.P.O. clock and chimes.
Special ocean forecast and weather report.
- 12.9 p.m.—Musical programme from the Studio.
- 12.15 p.m.—Information. Mails, shipping and port directory.
- 12.18 p.m.—Boats in call by wireless.
- 12.20 p.m.—Fruit market report.
- 12.22 p.m.—Vegetable market report.
- 12.25 p.m.—Dairy farm produce market report.
- 12.55 p.m.—G.P.O. clock and chimes.
Fruit market report.
- 12.62 p.m.—Fish market report.
- 12.84 p.m.—Rabbit market report.
- 12.90 p.m.—News from the "Sun."
- 12.95 p.m.—Billier's Instrumental Quartet. Direction, Clary Gossling.
- 1.30 p.m.—G.P.O. clock and chimes.
Talk to children and special entertainment for children in hospital.
- 2 p.m.—G.P.O. clock and chimes.
Close down.

AFTERNOON SESSION.

- Racing information broadcast immediately after each race, by courtesy of the "Sun."
- 2 p.m.—G.P.O. clock and chimes.
News from the "Sun."
- 2.15 p.m.—Musical programme from the Studio.
- 2.30 p.m.—G.P.O. clock and chimes.
News from the "Sun."
- 2.40 p.m.—Country women's session—its objects.
- 3.30 p.m.—News from the "Sun."
- 4 p.m.—G.P.O. clock and chimes.
Musical programme from the Studio.
- 4.15 p.m.—Serial story.
- 4.25 p.m.—Musical programme from the Studio.
- 4.40 p.m.—News from the "Sun."
- 4.50 p.m.—Racing resume.
- 4.52 p.m.—Resume of night's programme.
- 4.54 p.m.—Announcements and What's On?
- 4.55 p.m.—Special ocean forecast.
- 5 p.m.—G.P.O. clock and chimes.
Close down.

EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. clock and chimes.
Uncle George and the kiddies.
- 6 p.m.—The pupils of Miss Monica Seully will entertain the children.
- 6.30 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. clock and chimes.
Australian Mercantile, Land, and Finance Co.'s report.
- Weather report and forecast by courtesy of Government Meteorologist.
Producers' Distributing Society's fruit and vegetable market report.
- Stock Exchange reports.
Train and fadler report ("Sun").
Dairy produce report ("Sun").
- 7.15 p.m.—Country news from the "Sun."
Weekly traffic bulletin.
- 7.30 p.m.—Talk on "Acre Ampere—Electrical Financier," by Mr. Rupert Markham, B.E.
- 8 p.m.—G.P.O. clock and chimes.
Broadcasters' Topical Chorus.
- 8.3 p.m.—The Marrickville Salvation Army Band (Bandmaster Mr. N. H. Knight) broadcast from Wemyss-street, Marrickville.
- 8.25 p.m.—Mr. Dud Osborne, descriptive artist.
- 8.31 p.m.—Miss Edna Lister, contralto.
- 8.28 p.m.—Mr. William Everard, tenor.
- 8.45 p.m.—Mr. Jack Elliott, imitator.
- 8.55 p.m.—Mr. Bert Warrne, comedian.
- 9.3 p.m.—Weather report and forecast by courtesy of Mr. C. J. Maree, Government Meteorologist.
- 9.5 p.m.—Miss Gladys Verona, soprano.
- 9.45 p.m.—The Marrickville Salvation Army Band.
- 9.45 p.m.—Miss Edna Lister.
- 9.52 p.m.—Mr. William Everard.



IGRANIC E TYPE Audio-Frequency Transformer



The Igranic Transformer is well known as a thoroughly reliable instrument possessing a high amplification factor over a wide range of audio frequencies, free from distortion and parasitic noises.

The Iron Circuit of these transformers has been very carefully designed and proportioned, a special type of interleaved laminated core being employed.

The Metal Shrouds protect the windings and connecting leads and prevents magnetic interaction between two or more

transformers, thus enabling them to be mounted in very close proximity without interference.

The baseboard mounting type is fitted with a moulded terminal board, with milled head screw terminals easily accessible for making connections. The panel mounting type is suitable for mounting on a sub-panel of Bakelite or other insulating material, enabling all wiring to be concealed underneath.

The terminals are clearly marked primary and secondary.

- E1.—Ratio 5:1, for first and single stages. Price 24/-
E2.—Ratio 3:1, for second and subsequent stages. Price ... 22/6

Write for Catalogue W.W.

WARNING.—Beware of the old type of Audio-Frequency Transformer that is being sold at a reduced price. Ask for and accept no other than the new "E" type.

SOLE AGENTS:

NOYES BROS. (SYDNEY) LTD.
115 Clarence Street, SYDNEY

ALSO AT NEWCASTLE, MELBOURNE, HOBART, ADELAIDE
and BRISBANE.

SPECIAL OFFER

Sale of Surplus Stock

RADIO ACCESSORIES

(All in Good Condition.)

Here are Amazing Bargains

250 Tower Cone Speakers 28/6 ea. (Usual Price £3/10/-)
10 only, 3-valve Sets, perfect order, £9/10/- each to clear



Are You Having Trouble with Your Super Heterodyne? If so, let our Technical Expert, Mr. Chas. W. Slade, reconstruct it for you. Results Absolutely Guaranteed.

Greatly Reduced Prices—

H.C. COIL SETS (25, M, 75),
6/- set
VALVES, "Continental," 199,
3/- each
VALVES, "Micro," 3/- each
VALVES, Assorted, 1/6 each
VALVES SOCKETS, Assorted,
1/8 each
LOUD SPEAKER, "Mozart,"
19/6 each
MICROPHONES 2/6 each
MORSE KEYS 3/- each

TWO-COIL HOLDERS, 3/9 each
COUPLING PLUGS 1/9 each
COIL PLUGS 1/6 each
CRYSTAL CUPS, 2d. each
BINDING STRIPS, 3d. length
COILS, "Atlas" 3/6 each
SWITCHES, S. P. De Forrest,
1/6 each
DETECTOR ARMS 6d.
RHEOSTATS, Assorted, 2/-
CABINETS, Assorted, from 15/-

Improve Your Radio Equipment

BUY THE FOLLOWING ITEMS ON EASY TERMS.
ACCUMULATORS, WET BATTERIES, LOUD SPEAKERS AND CHARGERS.

HAVE A LOOK IN OUR JUNK BIN.

KEOGH RADIO SUPPLIES

"Australia's Pioneer Radio Company."

40a PARK STREET—SYDNEY

Open until 9 p.m. Fridays

- 10 p.m.—G.P.O. clock and chimes.
Resume of following day's programme.
10.8 p.m.—Dad Osborne and Bert Warner in song and patter.
10.15 p.m.—Doc Morrison and his Glennie clubbers broadcast from the ballroom of the Bonhill Casino. During intervals between dances, "Sun" news will be broadcast.
11 p.m.—G.P.O. clock and chimes.
National Anthem.

3LO, MELBOURNE.

Tuesday

MIDDAY SESSION.

- 12 noon.—Time signal. Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. Reuter's and the Australian Press Association cables. British official wireless news from Rugby.
12.15 p.m.—Under the auspices of the Concert-goers and Community Singers' Association—COMMUNITY SINGING—transmitted from the Assembly Hall, Collins Street, Melbourne. Conductor, Mr. G. J. Mackay.
1.45 p.m.—Meteorological information. Shipping intelligence. Weather forecast for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast. River reports. Rainfall for Victoria, South Australia, Tasmania and New South Wales.
2 p.m.—Close down.

AFTERNOON SESSION.

- 3 p.m.—REV. KENNETH HENDERSON will speak on:
"Topics of the Week."
3.15 p.m.—MR. FRITZ HART will give a short illustrated talk:
"The Poetry in Music." Ocean forecast.
3.30 p.m.—MR. J. HOWLETT ROSS, Australia:
"Alfred Deskin."
3.45 p.m.—STUDIO ORCHESTRA:
"Glanbe" (Golfers).
3.55 p.m.—ELSIE BOWER and HILLY RUTHERFORD will introduce themselves:
Duet, "Any Time."
Duet, "Adey," in various dialects of English.
4.2 p.m.—AGNES FORTUNE and BERTHA JOHNSON:
"Sonata" (Handel).
4.15 p.m.—STUDIO ORCHESTRA:
"Two Salon Pieces" (Ireland).
4.22 p.m.—ETHEL FORBESAW, soprano:
"The Wishing is Good" (Irish).
"Irish's Song."
4.30 p.m.—"Herald" news service. Stock Exchange information.
4.45 p.m.—EVENSONG, transmitted from ST. PAUL'S CATHEDRAL.
5.30 p.m.—Acceptances for V.A.T.C. Race at Caulfield, August 6th.

EVENING SESSION.

- 5.31 p.m.—Answers to letters and birthday greetings by "MARY GUMLEAF." THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE for today: EVERYBODY "Bono" was not built in a day. Neither is safety acquired through one good resolution. Keep everlastingly at it.
6 p.m.—STUDIO ORCHESTRA:
"Water Sprites" (Nansen).
"Dancing Nymphs" (Brains).
6.19 p.m.—FRANK AND FRANCES LAURE Song, "Maui Lei O Hawaii."
Steel Guitar, "Hawaii Lullaby."
Duet, "My Honolulu Tom Boy."
6.17 p.m.—LILLIAN McICKEN will tell you about:
"Christmas Day in the Great Australian Night."
6.25 p.m.—"Herald" news service. Weather synopsis. Shipping movements.
6.47 p.m.—Stock Exchange information.
6.52 p.m.—Fish market reports by J. B. Barrett, Ltd. Rabbit prices.
6.55 p.m.—River reports.

6.55 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd. Jute, dairy produce, potatoes, onions, Newmarket sheep sales, poultry, grain, hay and straw.

7.4 p.m.—Market reports of fruit by the Victorian Fruitlers' Association.

NIGHT SESSION.

7.15 p.m.—MR. F. A. NEWMAN will tell you about the lucky stone for August.

7.30 p.m.—MR. J. HOWLETT ROSS:

"Australians in Eland's River"—Essex Brass' fine poem.

7.45 p.m.—MISS THURZA ROGERS, late Premier's Dancouse, of the Pavlova Company, now appearing in "Frasquita" at the Theatre Royal, will speak to you from her dressing room, by permission of J. C. Williamson.

8 p.m.—MR. ROD MCGREGOR—Football: "Prospects of the Carnival."

8.15 p.m.—JOE ARONSON AND HIS SYMPHONISTS:

"Looty Eyes" (Davis).
"Shepherd of the Hills" (Nichols).
"Way Down Home" (Stumpor).

8.25 p.m.—FRANK and FRANCIS LUIZ:

Song, "Like No A Like."

8.35 p.m.—JOE ARONSON AND HIS SYMPHONISTS:

"I've never seen a straight bean" (Walter).
"Perhaps you'll think of me" (Stone).

"There ain't no maybe in my baby's eyes" (Kahn).

8.39 p.m.—ELSA STRALIA, soprano:

"My Liege Lady" (Phillips).

8.43 p.m.—JOE ARONSON AND HIS SYMPHONISTS:

"Doll Dance" (Piano Solo).

"The Animal Fair" (La Parrette).

"I Can't Forget" (Cerrick).

8.53 p.m.—MILDRED and CONNIE:

Song with piano and violin: "Sweet Little Lou."

8.57 p.m.—JOE ARONSON AND HIS SYMPHONISTS:

"Paradise Alley" (Archer).

"While the Years Go Drifting By" (Kahn).

"Drifting and Dreaming."

9 p.m.—ELISE BOWER and BILLY RUTHERFORD:

"Patter."

9.11 p.m.—JOE ARONSON AND HIS SYMPHONISTS:

"Desmal Desmond" (Ellis).

"Whisper Sh" (Bryan).

"All I want is you" (Clare).

9.21 p.m.—FRANK AND FRANCIS LUIZ:

Duet, "My Hapahole Huta Gie."

9.25 p.m.—JOE ARONSON AND HIS SYMPHONISTS:

"Somewhere somebody is waiting for you" (Aket).

"The More We are Together" (Campbell).

"I'm Looking Over a Four Leaf Clover" (Dixon).

9.35 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE for to-day:

EVERYBODY: "Rome was not built in a day. Neither is safety accented through one good revolution. Keep overcautiously at it."

9.39 p.m.—ELSA STRALIA, soprano:

"Because" (D'Hardelot).

9.43 p.m.—JOE ARONSON AND HIS SYMPHONISTS:

"Cover me with sunshine" (Dixon).

"Do the Black Bottom with Me" (Meyer).

"Whistle the Blues Away" (Meyer).

9.50 p.m.—MILDRED AND CONNIE:

Song with piano, "Mine all mine."

9.54 p.m.—JOE ARONSON AND HIS SYMPHONISTS:

"Falling in love with you" (Meyer).

"Ain't she sweet" (Yellen).

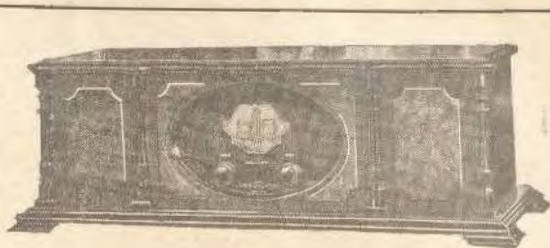
"I've been wasting my dreams over you" (O'Hagan).

10.4 p.m.—Meteorological information.

"Argus" news service, British Official Wireless News from Rugby. Sporting notes by "Olympia." Announcements.

10.22 p.m.—ELISE BOWER and BILLY RUTHERFORD:

Duet, "Study of an American Negro."



for ALL reception

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 buckling and need never be disconnected, 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 £9/15/-

F A R M E R ' S

BOX 497AA, G.P.O.

Do as others are doing.

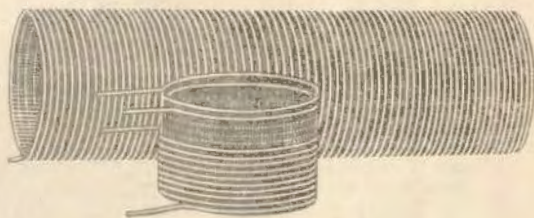
Build an Efficient Short Wave Set

WITH

AIRZONE SHORT WAVE LOW LOSS COILS

and listen in to stations you have not yet heard. These special Coils now manufactured by AIRZONE LIMITED will more than satisfy your requirements.

Sold by all dealers in any lengths up to 12in.



You just snip the wire where required and turn back the ends. Your coils are then ready for mounting in your set.

Price, 7/6 per length of 12in.

Buy in any length.

SALES AGENTS TO THE TRADE—

Manufacturers' Products Pty. Ltd.

(H. J. Haggood)

Challis House, 4 Martin Place, Sydney.

Phone BW 1328

- 10.21 p.m.—JOE ARONSON AND HIS SYMPHONIZING SYMPHONISTS:
"Tales of the Moon" (Hobson).
"Madame Lark" (Gibson).
"Sam, the Old Acrobat & Max" (Kaba).
10.26 p.m.—FRANK and FRANCIS LEE:
Track "Blonde".
- 10.48 p.m.—JOE ARONSON AND HIS SYMPHONIZING SYMPHONISTS:
"Spring Fever" (Spinal solo).
"A message from Missouri" (Chatter).
"I don't know Swift" (Swift).
- 10.54 p.m.—ELSA STRAJLA, soprano:
"Thank God for a Garden".
- 10.48 p.m.—JOE ARONSON AND HIS SYMPHONIZING SYMPHONISTS:
"Song of the Wanderer" (Mered).
"Be the Last Word" (Kaba).
"Kentucky Lullaby" (Miller).
- 11 p.m.—GUR GREAT THOUGHTS:
"From the hour of the invention of printing, books, and not kings, were to rule the world: Weapons forged in the mind, honed, and brighter than a sunbeam, were to sustain the sword and battles."—Whipple.
- 11.1 p.m.—JOE ARONSON AND HIS SYMPHONIZING SYMPHONISTS.
- 11.46 p.m.—GOD SAVE THE KING.

4QG, BRISBANE.

Thursday.

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

- AFTERNOON SESSION.
2.30 p.m.—A programme of music from the Studio.
4 p.m.—A cookery talk by "Doris Stinson."
4.15 p.m.—"Telegraph" news.
4.30 p.m.—Close down.
- EARLY EVENING SESSION.
8 p.m.—"Daily Standard" news; amusements news.
8.15 p.m.—A road talk by "Tecnia."
8.33 p.m.—The Children's Session—Stories by "The Bandman."
9 p.m.—Market reports; stock reports.
9.30 p.m.—Weather news; amusements.
9.45 p.m.—Standard time signal.
10.45 p.m.—Lectures: "A Talk on Books" by Mr. W. A. Braithwaite (McLeod).

- RECITAL OF VOCAL MUSIC.
The programme will be provided by the advanced students from the studio of Mr. Leonard Francis, and will include extracts from oratorios and operas, as well as ballads and modern songs. There will be also some concerted items, duets, trios, quartets, as well as the song-cycle "Peter's Holiday," written for four voices by Lane Wilson.
- FROM THE STUDIO—
8 p.m.—Vocal recital.
8.15 p.m.—A description of 1QG.
8.30 p.m.—Vocal recital (continued).
- FROM THE STUDIO—
10 p.m.—"The Daily Mail" news; weather news.
Close down.

5CL, ADELAIDE.

Thursday.

- EVENING SESSION.
8 p.m.—Chimes.
8.1 p.m.—Dinner music by the Covent Garden Restaurant Orchestra.
8.40 p.m.—Bedtime Stories by Uncle Jack and Uncle Radio.
9.00 p.m.—Market reports by Messrs. S. C. Wards; Stock Exchange Intelligence; Retail Grocers Report; Automobile Association Bulletin.
9.40 p.m.—Mr. A. M. Whittenbury will speak about "Poetry."

- 7 p.m.—Chimes.
- 8.1 p.m.—Special Radio Grant.
- 8.30 p.m.—From the All British Motor House.
- Maqui Silver Band will play as follows:—
- Quick Step, "The Thin red Line."
- Selection "The Gondoliers."
- Cornet solo "Hallelujah."
- Impassive, Fantasia, "Bells across the Meadows."
- Fox Trot, "Gee bye Blackbird."
- Humorous selection, "Musical Switch."
- Gayrice, "The Whistler and his dog."
- Indian Romance, "Hobanooks."
- Fox Trot, "Baby Tank."
- Cornet Solo, "Iris and Dot."
- Mandolachini, "Wedding March."
- Assisted by Mrs. J. L. Dwyer (contralto).
- Charles Baycroft (tenor).
- Arnold Haller (bass).
- Errol Gibbons (cello).
- 9.1 p.m.—Weather report.
- 9.2 p.m.—Dialects a wheat report.
- 9.3 p.m.—Band Concert continued.
- 10 p.m.—Advertiser's news Service, Wireless Shipping.
- 10.15 p.m.—Band Concert continued.
- 10.30 p.m.—Tomorrow's programme, Station announcements, Weather Bulletin.
- 11 p.m.—Chimes and National Anthem.

7ZL, HOBART

Thursday.

MORNING SESSION—11 a.m. to 12 noon.

AFTERNOON SESSION.

- 3 p.m.—G.P.O. Clock Chimes.
- 3.1 p.m.—Tune in selection.
- 3.4 p.m.—Hobart Stock Exchange quotations.
- Weather information.
- Items of interest; announcements.
- 3.15 p.m.—Orchestral selections by 7ZL Orchestra.
- 4.15 p.m.—Chat by Child Welfare Nurse.
- 4.30 p.m.—Close down.

EARLY EVENING SESSION.

- 8.20 p.m.—"Aunt Stella" talks to the children.
- 7 p.m.—"Uncle Hector."

NIGHT SESSION.

- 7.30 p.m.—Musical selection.
- 7.45 p.m.—Mr. C. L. Collins, Chief Instructor in Agriculture, Tasmanian Government: "What Good Feeding Means."
- 7.50 p.m.—"Mercury" special Tasmanian news service.
- Railway Auction Produce Sales.
- Weather forecasts.
- Hobart Stock Exchange quotations.
- 8 p.m.—G.P.O. Clock Chimes.
- 8.1 p.m.—Selections by Citizens' Band, Hobart (conductor, Mr. Roy Sutcliffe):
- Overture, "Zampa."
- Waltz, "Doner Wellen."
- March, "The Conqueror."
- Selection, "The Maid of Orleans."
- Waltz, "The Druid's Prayer."
- Pianoforte duet (selected), Miss W. Sutcliffe and Bandman Semple.
- March, "Royal Ambassadors."
- Selection, "Orpheus."
- Cornet solo (selected), Mr. Roy Sutcliffe.
- Fox trot, "Meadow Lark."
- Waltz, "Linga."
- March, "Steinach and Steinfel."
- 9.48 p.m.—British official wireless news.
- 9.53 p.m.—"Mercury" special interstate news service.
- Ships within wireless range.
- Tasmanian district weather reports.
- Station announcements.
- 9 p.m. Weather forecasts.
- National Anthem.

Exide

WIRELESS BATTERIES

STANDARD EQUIPPED IN ALL THE MARCONI'S SYSTEMS THROUGHOUT THE WORLD.

Made by the oldest and largest Battery Makers in the World.
The Chloride Electrical Storage Co. Ltd., England.

Exide "A" BATTERIES IN 2 VOLT UNITS.

Type.	Capacity.	Price each Cell fully charged.
C.Z.2	40 amp. Hours intermittent	£ 1 1 0
C.Z.3	60 amp. Hours intermittent	1 5 0
C.Z.4	80 amp. Hours intermittent	1 9 6
C.Z.5	100 amp. Hours intermittent	1 14 0
C.Z.6	120 amp. Hours intermittent	1 19 0

Exide "A" BATTERIES IN 2 VOLT UNITS.

Suitable for Dull Emitter Valves.

Type.	Capacity.	Price each Cell fully charged.
D.T.G.	20 amp. Hours intermittent	£ 0 8 6
D.F.G.	45 amp. Hours intermittent	0 16 0

Exide "B" BATTERIES.

Type.	Capacity.	Price for bat. fully charged.
W.J.	20 volts, 2,500 millamp. Hours	£ 1 10 0
W.H.	24 volts, 5,000 millamp. Hours	2 15 0

All Batteries when discharged can be recharged.

If these cells are not fully discharged and left idle, they will stand six months without sulphating.

N.S.W. Distributors and Exide Service Station:

GIBSON BATTLE & CO., LTD.

Tel.:
M 3080
MA 2243.

HUNT STREET, SYDNEY.
(Off Wentworth Avenue)

Tel.:
City 2174

TRANSFORMERS

Built up to a specification and wound, laminated iron cut to any size from stock. Prices and estimates on application.

G'DONNELL, GRIFFIN & CO., LTD.
12 Beatty Street, SYDNEY.
Phones: C4546 and 4546.

**Manufacturers
Products Pty. Ltd.
(M.P.)**

(H. J. HAPGOOD)
Challis House, Martin Place,
SYDNEY

Tel.: BW 1328

Agents for all Styles of Radio Products,
Including Clyde Batteries.

Kee. Meter Mfg. Co. "Emcee."

Refrigerator Condensers, Leaks and
Fixed Alloys.

Aircraft Rheos, Pots, Special Cuffs
and Loops.

Neutron Crystals, Brunet Phones,
Prompt Shipments from Sydney.

We represent 34 Foreign Radio
Manufacturers.

Write for Instant List.

Surplus Stocks sold Interstate.

**Rechargeable—
DRY!**

Think what this means. Seven bat-
teries for the price of one.

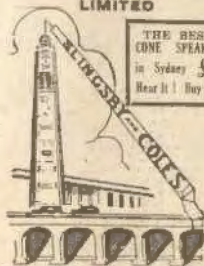


45 volts, Price 35/- ea.

The test made by Professor Laby, of
Melbourne University, showed that the
capacity of the TAB Battery is
slightly greater on the fifth discharge
than the first, and therefore does not
deteriorate with the period of use for
which the battery is needed.

**AUSTRALIAN AGENTS:
Latimers Wireless Supplies Ltd.
151 Castlereagh Street, Sydney.
Phone No. M2484.**

**SLINGSBY & COLES
LIMITED**



Under Central Station

**482 PITT STREET, SYDNEY
THE RELIABLE RADIO HOUSE.**

Call and See Our New Superette "2."
Absolutely Complete, with Accessories
and Speaker £14/12/-

Still a Few Left of New System Head
Phones. Not 45/-, DIT 15/- Pair.
First Latest Type Rheostats ... 4/-

Try One of Our Special Transformers,
Price 12/-

Fit a Pilot Light to Your Set, 4/8
Complete.

YOU CAN HAVE
"Wireless Weekly"

Delivered POST FREE for One Year for

13/-

SUBSCRIPTION FORM

To the Editor, "Wireless Weekly," 51 Castlereagh Street,
Sydney.

Please forward "Wireless Weekly" for a period of

..... for which I enclose

..... for
(Kind exchange to Country Cheques.)

Name

Address

Subscription Rates: 12 months (52 issues), 13/- post
free; 6 months (26 issues), 6/6 post free.

**WIRELESS
WEEKLY**

Registered Trade Mark.

Published by Arthur William Watt, of
"Folkestone," Lavender Street, Lavender Bay,
for the Proprietors, Wireless Newspapers
Limited, 51 Castlereagh Street, Sydney; and
printed by Marchant & Co., Ltd., 44 Connaught
Street, Sydney.

The Editor will be glad to consider Tech-
nical 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 unsuitable matter (if accompanied by
stamps), the Editor cannot accept responsi-
bility for its safe return.

Subscription rates—Twelve months (52
issues), 13/- post free. Six months (26
issues), 6/6 post free. Single copies 3d.
each, or post free 4d. Subscriptions should
be addressed to Wireless Newspapers Ltd.,
51 Castlereagh Street, Sydney.

Advertising—Our advertising representa-
tive visits in close touch with advertisers,
and he is ready at all times to supply in-
formation concerning advertising.

Agents in Great Britain:—The Colonial
Technical Press Ltd., Duxley House, South-
ampton Street, Strand, W.C.2.

"Wireless Weekly" is fully protected by
copyright, and nothing that appears in it
may be reprinted, wholly or in part, without
special permission. The use of our articles
or quotations from them for any purpose
whatsoever is never permitted without our
written authority.

A New Electrad Product THE "AIR COOLED"

RHEOSTAT



Other Electrad Products

ELECTRAD VARIABLE RESISTANCES.

Type A—1/10 to 7 megohms.
Type B—1,500 to 100,000 ohms.
Type C—500 to 50,000 ohms.
Type D—10,000 to 700,000 ohms.
Type E—500,000 ohms.
Price ... 11/- and 13/6 each

ELECTRAD LIGHTNING ARRESTER.

Price ... 3/8

ELECTRAD GRID LEADS.

Sizes 4 to 5 megohms ... 2/-

ELECTRAD FIXED CONDENSERS.

Supplied in all capacities.
Price from ... 2/-

FEATURES.

- Highest grade Bakelite Insulation.
- Metallic Bearings.
- Overize Contact Arm of best Phosphor Bronze.
- Milled Shaft with square hole in Contact Arm, preventing Shaft or Knob from turning, without moving Contact Arm.
- No Shaft wobble, extra long Metallic Bearing. Single and three-hole mounting.
- The construction of this Air Cooled Rheostat provides for the greatest Radiation without loss of mechanical strength.
- Supplied in 6, 10, and 30 ohms. Price, 3/9.

AT ALL RADIO DEALERS.

Amalgamated Wireless

Australasia Ltd.

Sydney - Melbourne - Brisbane - Adelaide
and Wellington, N.Z.

Electrad Products

A drastic reduction in Price!

Opportunity

A GENUINE British made Amplion loud speaker with all the essential Amplion features—with the Amplion reputation and guarantee behind it, offered at the ridiculously low price of Fifty Shillings.



AR 100 (Oak)

50/-



AR 100M (Mahogany)

57/6

**AMPLION
CABINETTE**

THE Amplion Cabinette forms an attractive alternative to the Radiolux type of speaker, when price is a consideration. Its attractive appearance, its capability to give faithful reproduction with full volume and delightful tonal quality make it one of the greatest radio bargains ever offered. Call and hear it at your Radio dealers or at the Amplion Showrooms, 56 Margaret Street, Sydney or 486 Bourke Street, Melbourne.

AMPLION (AUSTRALASIA) LIMITED, SYDNEY AND MELBOURNE