

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 12

*In the Studio
at JOAK*



Friday, July 15, 1927.

Price Threepence

DAYLIGHT RECEPTION

on the UDISCO

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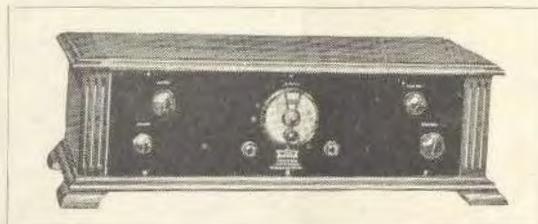
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WIRELESS WEEKLY

VOL. 10, No. 13.

FRIDAY, 12th JULY, 1927.

Short Waves and Snappy Broadcasts

THE special broadcast which has been arranged by "WIRELESS WEEKLY" with the General Electric Company on July 24th, is another indication of the increasing importance of short waves for international broadcasting.

For a very long time past the General Electric Company, through its Stations, 2XAF and 2XAG, has been busily engaged in the development of the idea of the utilization of very short waves for broadcasting purposes. These investigations have been conducted with a thoroughness that is typical of this big organization. The reports received from all parts of the world over a period of some months have been co-related, and it is now possible to determine the most suitable wavelength for broadcasting to practically any country in the world, at any particular time. In this particular instance it has been shown that the wavelengths of 32 metres and 32 metres may be used with the greatest success between 7 o'clock and 9 o'clock in the evening, Sydney time. In the recent tests during which 2XAF broadcasted on 32 metres and 2AG on 26 metres, it was ascertained that there were slight peculiarities evident with both wavelengths, and at certain times either one of these wavelengths proved more satisfactory than the other, hence the reason why simultaneous transmission on the two wavelengths mentioned above has been decided upon for July 24th.

Martin P. Rice, Director of Broadcasting for the General Electric Company, has, more than any other individual, been responsible for the development of world broadcasting. Strangely enough, although the original intention with the General Electric Company's short wave broadcasting stations was to determine the possibilities of using ultra short waves for broadcasting within the United States, the discovery that transmitters intended for observation points within a radius of mere hundreds of miles from New York were perfectly audible at

points 10,000 miles away, gave birth to the idea of international broadcasting.

The Westinghouse Company with KDKA, and the General Electric Company with 2XAF and 2XAG may be said to have demonstrated the entire practicability of short waves for broadcasting over very long distances. At a later stage this important study was taken up by other countries, and as a result we had the rebroadcasting of 2LO, London, through the Philips Short Wave Station at Eindhoven, Holland, which, without doubt, did more to arouse public interest in short wave reception than anything that has so far been attempted. This broadcast, together with the subsequent one, during which the voice of the Queen of Holland was flashed to the people of Australia, might be accepted, quite aside from its technical significance, as a most important gesture of goodwill from Holland to Australia. In the same sense also, we may regard the broadcast from WGY on Sunday week.

The whole of the technical press of Great Britain, following upon the success of the Australian Broadcast through the Philips Station PCJJ, has drawn especial attention to the desirability of a short wave station in England to be used for Empire Broadcasting, and if we may believe the cabled reports, it is extremely likely the British Broadcasting Commission, or some other authority acting with the approval of the British Government, will instal such a station, so that before long we may expect to have regular short wave broadcasts from England.

Judging by the things that have already been accomplished, and considering the tremendous interest that is now being taken in the subject in all parts of the world, it seems probable that this particular branch of broadcasting will be placed on an organized basis, and listeners-in will tune in American and European stations just as easily as they do the local stations.

Catching Up with the Wireless World.

By R. E. CORDER.



SEARCHING ENQUIRIES failed to trace Richard Angley during the illness of his brother Clive in Gilgandra, a far north-west town, recently. That is, until 2FC appealed across the air.

AT FIRST no response was met with, but on repeating the message a sister, residing in the Pilliga district, communicated with Richard Angley, who came post haste to Gilgandra—but just too late to speak to his brother.

A FRENZIED ANNOUNCEMENT that an enemy had invaded Australia, followed by gunfire and the explosion of bombs and a noise like a number of football barrackers in a hurry, coming over the air from 3CL, one night recently, must have scared some listeners.

IT WAS a radio drama, of course, but some innocent listeners who switched on their sets in the middle of it did not realise this fact. One Adelaide woman is reported as having rushed down her street calling out the neighbors to prepare for an invasion.

A MOVEMENT has been initiated to equip Goulburn District Hospital and St. John of God's Hospital, Goulburn, with radio sets. Mr. C. R. Mortimer, deputy governor of the Goulburn Gaol, is leading spirit in the movement, and he has submitted the following estimate of the cost of such installations.

THE GOULBURN "POST" says: Seeing that the amount of money required is comparatively small and the benefit to patients so undoubtedly great, we have no hesitation in appealing to the people of the city and district to subscribe to a fund to provide the sets which will help to while away many a weary hour for sufferers. The estimate cost of equipping both hospitals with valve sets, earphones, speakers, etc., is £332/10/-.

STRANGE INDEED are some of the requests which are made to the director of a broadcasting station. A newspaper office is noted as a haven of rest for many people who have quaint ideas which they desire to bring before the public, but now broadcasting stations are quite as popular with various people.

SCARCELY A DAY passes without some fantastic scheme being placed before a station, and if some of the ideas were acted on, the public would, doubtless, derive a certain amount of amusement—were they able to see the humour of it all.

A LADY HAS VISITED 4QG several times recently, complaining that she hears wireless messages at all times without a receiver, and asking cannot the station prevent it.

A GENTLEMAN called a few days ago and insisted on singing to the inquiry clerk. He said that he did not want to sing, but his workmates had heard him humming a tune, and remarked that radio was his place, and had sent him up to 4QG.

PERHAPS THE MOST threatening of all callers was the man who made a request for the broadcasting of some ideas which would gain world power for himself, and when refused the facilities, pointed out that when he secured world power the director of 4QG would be the first to lose his job.

By special arrangement with "WIRELESS WEEKLY," Martin Price, Director of Broadcasting for the General Electric Company (U.S.A.), has arranged a direct broadcast to Australia through W.G.Y. on Sunday, July 24th.

The broadcast will be carried out on the dual wavelengths of twenty-six and thirty-two metres, and will be put on from seven p.m. to nine p.m. Standard time. Several items of Australian composition are to be featured in the programme.

2FC will re-broadcast W.G.Y.'s transmission, and possibly 2LG, 4QG, 5CL and 6WF, may also arrange to re-broadcast.

Listeners are invited to forward reports of reception to Wireless News-papers, Ltd., 51 Castlereagh-street, Sydney.

WHY DID BIG BEN strike seven? That is the burning question which is consuming many listeners who tuned in 2BL's re-broadcast of 2LG one morning recently.

IT WAS EXACTLY 4 A.M. here and listeners living close to the G.P.O. could hear our own clock and the London clock striking simultaneously, the first four strokes being practically synchronous—then "Big Ben" went on for three more.

MANY LISTENERS knowing Sydney time to be ten hours ahead of London time, were expecting six strokes (two more) over the air. The reason, of course, for the seven strokes is that Great Britain is working on a daylight saving during the summer and all the clocks have been put on one hour.

WELLINGTON—FORE! Station 2YA Wellington, opens on high power and a new wavelength of 420 metres on Saturday, 16th July. 2FG will send a message of greeting at 7.50 p.m., Sydney time, and from 7.30 till 8.0 will relay 2YA's programme.

CORRESPONDENCE from all parts of Australia and New Zealand arriving since 2BL broadcast a local programme has convinced Wollongong residents that Broadcasting is an excellent method of boosting their town.

A BUSINESS MAN at Narrabri, for instance, asked particulars in regard to business in the district, and another correspondent from Greer Island, near Dunedin, New Zealand, wrote "commending the town of Wollongong on its musical success and up-to-date methods." A resident of Walkerville, South Australia, who heard the broadcast, sent 2/- as a donation from his son and daughter for the Wollongong hospital.

Radio Development

By H. TAYLOR

FROM the time when Hertz first observed that a discharge from a Leyden jar passing round a ring and across a spark gap would cause a similar but smaller discharge to pass across a spark gap in one side of a similar ring placed some distance away, to the present, is not really a very long time. During this time, however, an immense amount of research work has been done on radio to get as far as we are to-day.

During the pioneers' early experiments, practically the whole idea was to send intelligible signals by using Morse signalling. This is a series of long and short impulses sent by means of a key. It was early realised that if, instead of sending long and short impulses, impulses of various strengths as sent over the ordinary telephone line by a microphone were transmitted, wireless telephony should be possible, and many attempts were made to do this, none of which were very satisfactory, however, as the whole of the energy had to be modulated by microphones. This introduced many practical difficulties and was never really successful, except for very small power.

The great step forward which made all present-day radio and speech amplifier work, such as electrical recording of gramophone records, talking cinema, television, etc., possible, was the invention of the thermionic valve by Dr. Fleming in England, and Dr. De Forest in America. The possibilities of this valve were not at first realized, and it was only towards the latter end of the war that the valve came into its own, and undoubtedly, it would not have developed to the state of perfection it has today, if it had not been for the intensive research work done owing to the vital necessity of having reliable communication in wartime. Since the introduction of the valve, research work has concentrated more upon getting definite data of radio wave propagation, conditions of transmission in the ether, improvements in valves and circuits, etc., rather than any startling new developments.

With the introduction of the valve, it was almost impossible to measure the small quantities used in radio reception, and it has only been recently that it has been possible to measure these small quantities accurately. We have been able, therefore, by using valves, to measure much more accurately and have developed instruments in our Research Laboratory, which make the design

and manufacture of the present receivers possible.

It is not my intention, and it would take too long, to enumerate the uses of the modern three-electrode valve. It is sufficient to say, however, that generating electrical oscillations of practically any frequency, detecting same, amplifying at both radio and audio frequencies and measuring infinitely small currents and voltages can all be done by the same valve with suitable apparatus. It is an undoubted fact that up till very recently the possibilities of the uses of the three-electrode valve in other branches of science beside radio have not been fully realized, and it is questionable if they are made as full use of at the present day as they could be.

With regard to future developments, I do not think there is likely to be any startling new development in radio. At present, the trend of research, as outlined above, is all towards collecting definite data and improving circuits and valves which have already been invented. By this I do not mean that we are not going forward, but that, if one may express it this way, the introduction of the valve opened up such a number of possibilities that these have to be explored and the data tabulated before any further steps can be contemplated.

Since the introduction of the early valves, we have gone a very long way in improving them by research. The early valves used a filament which was exactly similar to the one used in metal filament lamps, i.e., Tungsten, and this filament had to be heated to a white heat before any electrons were given off, which meant that it was mechanically weak and a large current was taken from the accumulator, the average valve then taking .75 amps at 4 volts and only giving a very low emission of round about 5 or 6 millamps total. In present-day valves, however, owing to the filament being treated in various ways, the consumption of current has come down to .1 amps at 4 volts and a total emission in the neighbourhood of 30 to 40 millamps. This means that the filament efficiency is about fifty times better, and at the same time the life of the valve is considerably increased, and it is mechanically much stronger.

Even with present-day valves, however, the amount of current required from the filament batteries to enable the valve to amplify the extremely



Mr. H. Taylor is chief Research Engineer of A. J. Stevens and Co., Ltd., England, a firm famous for its motor cycles and which has commenced the manufacture of radio receivers.

weak radio signals is very large and there is no doubt that improvements will still be made in this direction, but will only come gradually as research progresses.

The lines along which development will take place in valves are unquestionably towards the cold filament, and when this comes, it will be a considerable step forward, as it will mean doing away with all low tension batteries. We have not lost sight of this possibility and at the present time are engaged on this problem.

There is no doubt that one of the biggest drawbacks of the present-day wireless set is the purchase of and, more particularly, maintenance of the high and low tension batteries, and here again we on the research side are trying all we can to minimise this trouble.

I have often been asked my opinion as to the possibilities of television. While admitting that television has in a sense become possible, I have no hesitation in saying that up to the present it is most certainly not a commercial proposition and will not be for some time.

Let us look at this question broadly. If television is to be of use to the general public, it must be capable of being done comparatively cheaply and

Square Glass Cells with each Phono.

above all, reliably. If we can imagine a television transmitter, and by this I do not mean the aerial and transmitting station, etc., but the actual camera or eye of the apparatus, to be easily portable and something like a cinematograph camera and to be capable of taking the same kind of picture, there is no doubt that there would be an enormous scope, but at the same time we must not lose sight of the fact that the receiving apparatus would have to be rather on the lines of a present cinema theatre and not in everybody's own home. Bearing in mind the fact that the general public do not find it any too easy to work and maintain a simple broadcast receiver, in fact a large proportion of our time in research is given to simplifying present designs without losing any efficiency, and it is very unlikely that anyone except a trained engineer would be able to work a television receiving apparatus, as this is necessarily so much more complicated.

Probably one of the greatest drawbacks to wireless of any at the present time is atmospherics or static as they are called, and I think I am safe in saying that no one has yet found a practical commercial way of overcoming this trouble. While this trouble is serious for ordinary reception of speech or music, it would be unquestionably much more serious for television, as it is conceivable that, should an atmospheric be received during the transmission of a programme, the whole picture would be wiped out for as long as the atmospheric lasted. Bearing in mind the complaints one hears when any slight irregularity occurs at a cinema theatre in a picture, one can quite imagine that anything of this sort would be disastrous for the public appreciation of television.

There has been and is now an intensive enquiry into the cause and form of atmospherics in all research laboratories, and we, in particular, are devoting a large proportion of our time to this subject, as we realize that for radio to come into its own, it is essential to reduce or entirely eliminate this type of objectionable interference, but for various technical reasons it is an extremely difficult problem.

As regards television, therefore, I think we may come to the conclusion that where the difficulties of wireless telephony transmission and reception are great, the difficulties of wireless television are infinitely greater and, for some little time to come, we may expect developments comparatively slowly, and it is not likely that the general public will be able to have wireless television apparatus in their

own homes, unless some entirely revolutionary discovery is made.

I am quite aware, of course, that one phase of wireless television has been done perfectly satisfactorily. This, however, is the transmission of black and white, such as a drawing or writing on a piece of white paper. This is comparatively easy and we may say corresponds to transmission of Morse in wireless telegraphy. The transmission of actual living pictures, i.e., a view of people walking about the street, or some similar picture, has been done, only in a small way in the laboratory, and there is as much or more difference between this and the transmitting of black and white as there is between the transmission of Morse and telephony.

The question of wireless transmission of power is at present the scientist's dream. We have unquestionably a very long way to go yet before this can be thought of from a practical point of view. The transmission of power has been done over short distances with a beam of polarized light, and, of course, wireless or radio waves can be very accurately directed, but we have nothing as yet that can be called real transmission of power. The losses compared with cable are extremely high, and it is difficult to see how transmission of power in any one direction will help, as this is easily done by means of cables. Power

transmission by wireless will only be of practical use when it can be transmitted in all directions from a given spot and be received on small aerials, or some such similar contrivance at numerous points round the central station, and this with efficiency comparable with electric cables.

There is not much doubt, however, that power transmission, if done at all, will be done on very short wave lengths; in fact the general trend of modern research is towards the lower wave bands.

In conclusion, in my opinion, there will be no startling developments in radio for some years to come. It is rather a question of painstaking research and gradual developments, and the modern wireless set is in a similar position to-day to the modern motor-car. It is more a question of refinement and extra efficiency than any new startling development.

IF TWO R. F. tubes, or two A. F. tubes of similar types are to have their filaments controlled by automatic ballasts, it is possible to economise space and wiring by combining the two ballasts in one. Thus two 201A tubes would require the ballast specified for a 112 tube, while two 112 tubes, or a 112 and a 171 calls for a one ampere ballast.—C.P.

80% of Radio Receivers are Crystal Sets

Radio listeners never meet without discussing their favorite types of receiving sets, just as motorists continually talk of the merits of this and that car. In the case of radio, as each set is kept at home, it is very difficult to estimate what proportion of the respective kinds of instrument is in use.

But in evidence before the Royal Commission on Wireless, the radio inspector gave some interesting figures. During May, his officers made inquiries among set owners in Burwood, Concord, Cabarita, Strathfield, Mortlake, Summer Hill, Lewisham, Petersham, Stanmore and Newtown, and were informed that there were 1189 crystal set users and 804 valve set users. In Punchbowl, Bankstown, Peakhurst, Summer Hill, Lidcombe, Earlwood, Auburn, Regent's Park and Beresl they found 1293 crystal sets and 1006 valve sets. Around Mosman, Clifton Gardens, Canterbury, Earlwood and Lakemba they found 981

crystal sets and 920 valve sets; at Charing Cross, Woolrahra, Waverley, Bondi, Clovelly, Randwick, and South Kensington, there were 831 crystal sets and 879 valves. At Strathfield, Burwood, Croydon, Flemington, Homebush, Merrylands, Granville, Auburn, Lidcombe and Clyde they found 934 crystal sets and 834 valve sets.

The inspector said that from his inquiries in the above suburbs it appeared that crystal sets were about 65 to 69 per cent. of the total number in use. In some suburbs like Botany and Kensington his inspectors, without making an actual count, had estimated that the crystal sets totalled 80 to 85 per cent. of the total.

Occasionally, the witness stated, broadcasting stations were heard at great distances on crystal sets, but for residents more than 15 or 20 miles from a station a valve set was desirable.

CHAMPIONSHIP OF AUSTRALIA—LAUGHING COMPETITION.

SLO MELBOURNE is conducting a Championship of Australia Laughing Competition. The first, second and third prizes will be gold medallions. **CONDITIONS:**

1. Any person (male or female) will be eligible.
2. The laugh may be natural or artificial such as a mimic Kookoo-burra laugh).
3. Competitors must notify SLO Melbourne of their intention to enter for the Competition. Entry form full name and address must be forwarded to "The Manager," SLO Melbourne, and the envelope containing the same marked "Laughing Competition."
4. Entries close on 22nd July, 1927, at 5 p.m.
5. Competitors must attend the Studio of SLO Melbourne on such time as directed by us to do.
6. The Laugh shall be judged by 3 judges to be appointed by SLO and their decision shall be final.
7. SLO reserves the right to conduct the competition in sections or hours extending over several days if necessary, so that each section or hour shall be called upon to appear again in the final contest, or heat.
8. The first and second prize-winners shall, at the request of SLO Melbourne, attend at their studio and laugh for broadcasting purposes on one occasion only.
9. All expenses of the Competitors shall be judged upon the following principle:

Best natural **genuine** or mimic laugh over a period not to exceed one minute.

COMPETITION FOR ONE ACT PLAYS.

SLO Melbourne is conducting a competition for One Act Plays, suitable for broadcasting, and will award the following prizes—

First	£10/10/-
Second	£5/5/-
Third	£3/3/-

CONDITIONS.

1. The Play must not occupy more than 20 minutes in its performance.
2. There should not be **more** than three well-defined or principal characters in the Play.
3. All manuscript must be typewritten on one side only.
4. The author must suggest the action, scene, and properties of the play, no stage directions will not be broadcast.
5. SLO Melbourne shall be entitled to a performance for broadcasting of the first, second, and third prize winning plays before 1st December, 1927.
6. SLO Melbourne will provide suitable musical accompaniment, and stage effects, as may be required in the production of the plays for broadcasting.
7. The decision of the judges to be appointed by SLO, Melbourne, shall be final.
8. Manuscripts must reach the Manager, SLO Melbourne, Melbourne Lane, off Russell Street, Melbourne, on or before the 1st day of August, 1927, at 5 p.m., and enveloped containing the same must be marked "One Act Play Competition."

CHAMPIONSHIP OF AUSTRALIA—WHISTLING CONTEST.

SLO Melbourne is conducting a whistling contest for the Championship of Australia. The first, second and third prizes will be gold medallions. **CONDITIONS:**

1. Any person (male or female) shall be eligible.
2. Competitors shall choose their own soloists, and mix, if they so desire, provide their own accompanists.
3. All musical and other selections must be approved by SLO.
4. Intending competitors shall notify SLO, Melbourne, of their intention to enter for the competition, and in so doing shall give their full names and address.
5. Entries close on 22nd July, 1927, at 5 p.m.
6. SLO, Melbourne, reserves the right to conduct the contest in sections or heats. In that event the winner of each section or heat shall be called upon to compete in the semi-final or final.
7. SLO, Melbourne, reserves the right to call upon the first, second and third place winners to give two performances of whistling for broadcasting purposes, and the winners shall attend the Studio of SLO and give the performances on such date or dates and at such times as they shall be required.
8. The decision of Judge or Judges shall be final.
9. SLO, Melbourne, may, if the judges so recommend, award an additional prize or prizes to any competitor or competitors.

The Wireless Commission Report.

THE wireless world is agog for the report of the Commission which has listened for many weary months to the luminous, indeed voluminous, evidence of acres of witnesses, and now has been treated to the lugubrious of counsel for the various conflicting interests. It is not possible for me to comment on the possible findings of the Commission. My own chief interest has lain in the attitude of witnesses to the radio programmes of the major stations. After profound study of programmes abroad and perusing some scores of pamphlets and articles, all dealing with the question of entertainment via the air, I have come to a fixed conclusion. That is this: A man's judgment of a radio programme is conditioned by his prejudices. The real, highbrow-musician does and must necessarily loathe any programme that subordinates his loved musical gods to a noisy, shouting, blaring imitation of negroid foolishness. He cannot but believe that placing the preparation of programmes under a Government Department, limited by Act of Parliament or Congress, with a penalty against jazz as disorderly and against public policy, must make for improvement. A clergyman of a committee

of inquiry must necessarily be compelled by his habit of thought to see that nothing but what in his opinion is decent and orderly appears on a programme. So many men, so many opinions. Far better leave the matter in the hands of those who are unfanatical and who recognise that this great boom of wireless is not for one class or opinion, but must be used in the service of all. That habit of thought must necessarily produce periods of dullness and displeasures for some, but on balance it will please the majority.

Broadcasting the News.

EVERY now and again I hear murmur of perturbation among newspaper men about the possible rivalry of the big stations with established news services. Lord Burnham was the first, I believe, to bring up the subject in Australia during the big Press Congress. It is a question of some anxiety to some newspapers as to whether the broadcast descriptions and results of races, the descriptions of football matches and other great items of interest do not interfere with the sale of the actual paper. With regard to the

By our
SLO Correspondent

particular journals in Melbourne, which might be expected to feel any adverse effect, I have had cause to note a steadily increasing circulation, as would normally be looked for. I find it hard to believe there is any appreciable number of newspaper readers, who, after hearing racing results, would fall into the habit of doing without their customary newspaper. Non-racing men would certainly wish to see the rest of the news, while racing men are so vitally interested in form, running, prices and a score of matters outside the meagre details given over the wireless that they could hardly get to the race edition quickly enough. The danger is that managers of newspapers, filled with illusory fears, may withdraw their experts from broadcasting and, as in the matter of news, throw on the companies, whose subscribers must have the information, the task of giving it to them by means of a service of experts who may prove, in real truth, rivals of the press writers. To my mind, friendly co-operation on just such basis as at present exists is the only security against a war between broadcasting and printed news.

The Safety Valve

Readers are reminded that the opinions expressed by correspondents are not necessarily those of this journal. A fair measure of criticism is allowed but preference is given to letters combining interest with brevity. Anonymous letters are not considered.



NEWCASTLE RELAY.

Dear Sir.—I am very much disappointed in the transmission of 2BL and 2FC at night time. In the daytime they are really good, but as soon as night falls, it is nearly impossible to listen to them, yet 3LO, Melbourne, and 4QG, Brisbane, are nearly perfect at night. As there are so many complaining about 2BL and 2FC, I think the only way out of the difficulty is to erect relay stations where the reception is bad.

Some time ago I read, in a Newcastle paper, where 2BL and 2FC were going to erect relay stations in Newcastle. Yet now it seems as if they have forgotten all about it. I think if a relay station was erected in Newcastle, there would be about twice as many more licences around Newcastle and Maitland, and in the long run it would pay for itself, and there would be a lot more satisfied listeners.

Yours, etc.,

J.B.

New Lambton.

2FC THEIR BEST STATION.

Dear Sir.—Having read so often the letters in the "Safety Valve" column of your paper, re the "mushy" transmission from 2FC, I feel it my duty to say a few words in defence of that station. We, of the far North Coast of N.S.W. consider 2FC our strongest and best station; it is clear and distinct with classical programmes.

I notice that most of the dissatisfied listeners are in close proximity to Sydney, and speak in praise of 4QG. My experience of 4QG is the same as theirs of 2FC. In the day time 4QG is clear and loud, but at night, "mushy" and distorted. I don't condemn the station, as I know it is very strong and clear to those living a long distance away, plainly showing, in my opinion, that it is the nearness to a strong station that is the cause of distortion, and not the fault of the transmission.

Yours, etc.,

K. LANAGAN COX.

Lismore.

TAREE.

Dear Sir.—Your reports from various centres are very interesting. Here is mine. My receiver is an R.C.A. Model 20, five valve set.

In daytime, 2BL is quite satisfactory, 2FC clear, but only half the strength of 2BL. My reception of the Canberra Inauguration confirmed this, 2BL being much stronger than 2FC. This was a fair comparison, as both stations were working off the same relay. Both, however, were quite satisfactory.

At night both 2BL and 2FC are very unsatisfactory, particularly the latter, "mushiness" being common, alternating with periods of clear reception. 3LO and 4QG are excellent, both for volume and purity of tone. I have had both lately in daytime at good strength on loud speaker. 2GB is invariably mushy, as also is 2XY. I have had excellent reception from 2UE and 2UW, both at night and in daylight. All the interstate "A" and "B" class stations are quite satisfactory at night, also 1YA. Most owners about here avoid the Sydney A class stations, and particularly 2FC, at night, but I am quite satisfied with 2BL's daytime reception.

As regards programmes, I also regard 3LO as in a class of its own, with both 4QG and 2FC very good; in fact, all the "A" class stations except 2BL deserve credit for their efforts. 2BL programmes are a monotonous alternation of similar items.

I travel over an area, and, listening in at other centres, have noted that 2FC's reception improves as you go north from here.

Yours, etc.,

Taree.

R.W.L.

Reports on reception of 2BL and 2FC in other country districts will be welcome on page 2. An explanation of the cause of fading and silent intervals is given in an article by E. A. Barbury, Chief Engineer 2FC in the July issue of "Radio." Order your copy early. The Editor will be glad to receive reports on the reception of Australian stations from other centres.

DIALECTS.

Dear Sir.—Once I used to say that a different dialect occurred in England in almost every country, while from Cape York to the Leeuwin Australians spoke the same.

Since installing a set, I have been disillusioned. It is remarkable the number of "cockney accented" speakers 3LO produces, I mean the casual talkers; the announcers are quite true in their diction, being picked men. This makes one believe that the Australian twang has become firmly established in Victoria.

2FC has an announcer with a North of England accent, who mispronounces badly.

Yours, etc.,
C. E. BURDON.

Cargo.

RADIO ON THE WING.

Dear Sir.—Byrd was right when he said that the future of the flying industry would be inevitably wound up with radio. As a flying trainee and a radio enthusiast, I believe that pilots flying long distances will depend entirely on radio for navigation.

Yours, etc.,
P.B.C.

Melbourne.

Dear Sir.—On behalf of our numerous clients, and more especially for ourselves as dealers, we wish to express our deep appreciation for the return of 2FC to their early morning session. Transmission during the day and night from your station which had been previously such a source of worry to us, has now completely disappeared, and we wish to compliment you on your efforts towards eliminating this trouble. All around this district are singing the praises of 2FC, and we thought that advice to this effect would gladly be received by your good selves.

Yours faithfully,
C. P. DOWLING,

Leura.

Day and Night Reception in the Country

LITHGOW.

Dear Sir.—When 2FC were on their long wavelength their night transmission was excellent, but since they have been on the lower wave it is impossible to listen to them. During the daylight the transmission is perfect, but at night they distort and break up. This is the experience of all of whom I have made enquiries in Lithgow, and if it were not for the excellent transmission from 3LO and 4QG we would get little joy out of radio. It may be said that Lithgow is not a good place for radio reception, but I can assure you that this is not correct.

I was hoping that ere this something would have been done to clear up 2FO's transmissions, for if 3LO and 4QG can give satisfaction on a low wave, surely it is not impossible for a large station like 2FC to do likewise.

The poorness of their night transmission is doing a great deal of harm to the radio industry in the country districts, especially in this locality, as the majority of people listen-in in the night time and when they cannot get their local stations, the query is: "What's the good of having a set?" This question of poor transmission should not be beyond the power of 2FC's engineers, who could satisfy themselves that something is very much amiss if they took a trip to the various localities from whence the complaints arise. Yours, etc.,

RADIO.

Lithgow.

QUEENSLAND.

Dear Sir.—The transmission from 2FC in this district has not been up to their old standard since their wavelength was shortened. We now cannot get a sound from them in the daytime, whereas they used to come in of great strength; in fact, on a five-valve set they were clearly audible 200 yards away. This, of course, means that we have no daytime service, and has had a very adverse effect on sales in this area, as 4QG in addition to giving practically no day service, is very weak and frequently quite unworkable before dark. This, of course, means no demonstrations during the day, and I may mention that not one night in the past ten has 4QG been workable, owing to static, which is not bad as a rule until sunset. In fact, the shortening of 2FC has had a most disastrous effect both on the dealers' business and the number of new licences taken out.

A selection of reports on country reception received from listeners in answer to a paragraph inserted in a recent issue of "Wireless Weekly".

There is constant reference to the small number of sets in the country. I assure you that until the country is able to get a day service this is likely to remain the case, as what chance has the dealer of making sales when it is impossible to demonstrate? Putting the matter plainly: How many sets would be sold in the cities if the dealers were unable to let the possible purchaser hear a set working?

I have sets from 3 to 8 valves in stock, and am quite unable to demonstrate for day after day. In the case of the country dealer this is particularly serious, as the possible purchasers from the sheep and cattle stations are frequently not in town more than one night a month, and in many cases on their occasional visit they clear out again before dark.

2BL is peculiar, as at times their strength is tremendous, and at other times no stronger than 2GB. Also, for half an hour at a time they are horribly distorted at times, then clearing up again.

4QG fades a lot here, and 3LO is strong and clear usually, and is easily the favorite station in this district.

Yours, etc.,

F. E. SMITH.

Roma, Queensland.

FADING AND NIGHT DISTORTION

A complete explanation of the cause of the trouble reported by our correspondents will be found in an article by

E. A. BURBURY,
Chief Engineer 2FC,

appearing in the July issue of

"RADIO."

On sale at all bookstalls and Newsagents this week.

MAITLAND

Dear Sir.—I have experienced distortion with 2FC and 2BL, ever since 2FC changed their wavelength. It is quite impossible to get these stations clearly at night. I have tried several receivers to get Sydney stations, and I am reluctantly forced to tune-in to inter-State stations. I find that every listener in the Maitland district and coalfields is having the same trouble. Could not something be done in order to give this district a better service? Otherwise I and many others will be compelled to cancel our licences.

Yours, etc.,

DISAPPOINTED.

Morpeth.

Dear Sir.—As a constant reader of "Wireless Weekly" I feel disgusted when I read of excellent reception overseas of 2BL and 2FC, yet the Maitland District, only 100 miles from Sydney, cannot receive those stations at night-time satisfactorily at all, both stations being very blurred and distorted. It does not seem fair for hundreds of listeners in this district to maintain these stations by paying a licence fee and get this unsatisfactory service, whilst overseas listeners pay nothing at all and get excellent reception.

Is it any wonder that country licences are not increasing to the extent that they should. If some of the staff were to come to this district and hear the reception of their respective stations, I am sure they would not broadcast again.

Yours, etc.,

DISGUSTED.

West Maitland.

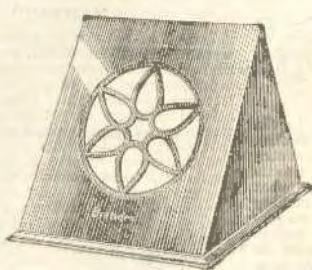
KUNGHUR.

Dear Sir.—I am situated about 400 miles from 2BL and 2FC, and find that they "come-in" excellently. Daylight reception is almost impossible with a three-valve set, but at night the reception is very good.

Perhaps it would be better for correspondents to blame district conditions rather than the transmission from these A class stations. Such things do occur. I think the stations have been too long in the game to make such a mistake as faulty transmission. There would have been more complaints. Yours, etc.,

R.B.

Kunghur, Far North Coast.



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It's All in the Air

ORGAN LOVERS, listen on Thursday night, 21st July, to Dr. Haigh's recital, broadcast by 2FC from St. Andrew's Cathedral. It will commence at 7.45 p.m.

PERCY MCKAY: The Australian basso, makes his initial broadcast appearance on Friday, 22nd July, from Studio 2FC. He has an extensive repertoire, and will sing a number of new items.

JAMES HARR: One of the late personalities in the House of Commons, will be heard from the Lyceum Theatre on Sunday afternoon, 24th July.

ELLIS PRICE, popular entertainer, and well known to 2FC listeners, has been on the sick list with a poisoned arm. His many friends will be pleased to know he is recovering, and will appear at the Studio on the night of 22nd July.

MADAME BETTS-VINCENT: Will commence a series of musical lectures on Monday, 18th July. This lecture is timed for 7.40 p.m., and will deal with the works of Beethoven, Madame Betts-Vincent will give musical illustrations.

JAMES DONNELLY, whose talk on "The Evolution of the Blues" was so interesting, has promised to give another in continuation of this fascinating subject from 2FC Studio on 28th July. He will take the old darky melodies, sung as they used to sing them, and then modernise them with syncopated effects.

RAYMOND ELLIS: The noted English baritone, whose natural gift is doubled by his remarkable artistic ability, will give a lecture-recital on "Popular Comic Operas" from 2FC Studio on Monday, 18th July. At his farewell recital on 25th July, his many listeners will have an opportunity of hearing at least some of their favorites, as he is devoting that appearance entirely to requests.

MORE INSTRUMENTAL MUSIC AT 5CL: Already preparations are well under way for the presentation of orchestral productions on a big scale by 5CL. It is a large job for any single station to organise a full symphony orchestra, but the management of 5CL recognise that it is only by getting the very best possible entertainment that Radio can go ahead in Australia.



Miss Eileen Dawn (*Mrs. Edgar Warwick*) associated with Edgar Warwick appearing in the *Ghost Train*, who has written a series of six plays especially for broadcasting from 2FC.

"BEN HUR" PROLOGUE: The magnificent incidental music, and prologue sung by John Prior, will be broadcast from the Prince Edward Theatre on Friday, 29th July. Will Prior's famous orchestra, in conjunction with the grand organ, will give excerpts from "Tannhauser."

SATURDAY HOSPITAL CONCERT will be held in King's Hall on Wednesday night, 3rd August. 2FC are providing the programme during the early part of the evening, and the artists include Frank McEachern, brother of the famous bass, now starring in London, Alice Prowse, Daisy Richards, and Win and Windle, entertainers.

THE CANTERBURY District Band, which won the open hymn Band Contest at Sydney in 1926, together with the B Grade Championship of New South Wales, and the "A" Grade Championship at Sydney in 1924, is to broadcast from 2BL. The programmes that have been arranged for every Wednesday night contain a variety that should appeal to almost every listener-in. They contain a number of the popular marches, waltzes, and a famous collection of Scotch songs.

Coming Features in the Broadcasting Programs

BRITISH MUSIC SOCIETY'S concert from the Conservatorium on Tuesday, 19th, will be broadcast by 2FC. An attractive Australian programme has been arranged.

GILBERT PATTINI: The charming Sydney soprano, is back once again in her "home town," and 2FC listeners will appreciate the opportunity of hearing her on Sunday night, 24th July.

W. F. JACKSON: Whose book, "Sydney As It Is," has created such controversy, is giving a series of talks dealing with "Five Great Moderns" from 2FC. His talk on Bernard Shaw is set down for Sunday, 24th July.

THE TWO VAGABONDS: Two well known instrumentalists, who since their last appearance in Sydney have travelled from Land's End to Table Mountain, will entertain 2FC listeners on Tuesday, 12th July, and again on 15th July.

"THE RISING GENERATION" will be produced by the H. W. Varna Co. at 2FC Studio on Monday, 28th July. The 2nd and 3rd Acts will be broadcast, and will be presented with special effects. Mr. Varna will personally describe the 1st Act, thus linking up the story for the benefit of listeners.

MADELINE ROSSITER tells in a letter to friends in Sydney of her broadcasting experiences in London. She is at present starring as "Wanda" in "Rose Marie." What an ideal microphone artist she would have been, with her inexhaustible fund of song, story and burlesque.

THE TALK ON "FISHING PROSPECTS for the Week-end," introduced by Broadcaster All-Sports Expert on July 1, proved such a success that it has been arranged to give further talks every Friday evening. It has been arranged to inform listeners-in of the tides for Saturday and Sunday, the best fishing grounds at the well-known pleasure resorts, and, for the benefit of country listeners-in, the doings of well-known fishermen will be given over the air. 2BL has received communications from prominent citizens stating that the fishing talks are appreciated and the announcements of the catches have been a big benefit to all.

BOOK COMPETITION: Ask a radio fan, and he will tell you he prefers his set by the fire these nights, to a book. But listening Sydney's literary education has not been neglected, as the result of 2FC's first Book Competition showed. 35 per cent. of the competitors correctly guessed the book from which excerpts were taken—"For the Term of His Natural Life." Listen in each Monday, Wednesday and Friday, and maybe you too will be a winner.

LIFE SAVING IN MID-AIR: 3LO Melbourne has arranged with a famous Norwegian Parachutist, Lieutenant Hankon Quiller, to deliver a series of three talks on his Air experiences during the first week-end of July.

PARACHUTING TO SAFETY: These lectures are of a most interesting and unique character. Lieutenant Quiller has made a special study of parachuting as a means of life-saving from air craft and his career is an example of how much young man can accomplish in a few years in this youngest and most fascinating of aerial navigation.

A CAREER WITH A PURPOSE: In his youth, Lieut. Quiller had his home near the Training School for Air Pilots at Oslo, the Capital of Norway, and began his conquest of the air as an aerial journalist, contributing talks on aerial topics to seven Norwegian newspapers. He then joined the journalistic staff of a paper at Aftenposten, for which he undertook several flights through Europe as a passenger journalist, and in this way began to jump from parachutes to gain experience for articles.

AN AERIAL LIFEBUGY: Since 1921, Lieut. Quiller has been occupied in giving demonstrations of practical life-saving in the air by parachutes. He has tried many different makes, and is now in Australia to demonstrate quite a new type designed by his friend, Lieut. Thornblad, a Swedish officer. He himself holds his lieutenancy honoris causa in recognition of the valuable aid given by him to Norwegian aeronautics.

SPECTACULAR — BUT SAFE: This intrepid young officer will give several demonstrations while in Melbourne of dropping from great heights and also of landing at a low elevation from an aeroplane in full flight, which is by far the most difficult and dangerous feat. His highest jump registered 9,000 feet, but he regards 300 feet as his best achievement. Anyone can safely jump from heights above 500 feet, and he has landed in boats and in the sea during a storm, and even in City streets, but every time quite unhurt. Lieut. Quiller's talks from 3LO Melbourne will deal with these and other interesting escapades.



Reg. Harrison, 2BL, humourist.

THROUGH SOUTH EASTERN ASIA: The adventurous spirit is no respecter of persons, and travels with equal facility in skirts or otherwise. Australia has provided quite a fair share of those whom the wanderlust has called away from its ample boundaries, and not all of these by a long way have been men. 3LO Melbourne has been particularly interested in women travellers, and has just added to its coming programmes the name of Miss C. Floss Greig, B.A., LL.B., who has made herself familiar on several occasions with the picturesque and romantic regions of South-Eastern Asia, and will give a series of talks on that subject, beginning about the third week of July.



Lieutenant Oviller, the famous Norwegian parachutist, who is visiting Australia to attempt the world's record parachute drop.

EDGAR WARWICK: now appearing in "The Ghost Train," has written six plays specially for broadcasting, and will make his bow to 2FC listeners on Tuesday, 19th July. They do say it takes 27 men to work the effects in "The Ghost Train." At that rate, the redoubtable Laurence Halbert is going to have his work cut out in the effects for the first of this attractive series—"The Ghost Feign." But his is the strength of ten, if not twenty-seven.

ALEXANDER SPOUSE: Champion mouth organ exponent of Australia, has returned to Sydney for a short time, after one of many country trips, and will be heard from 2FC Studio on Saturday, 16th July, in association with the "Radio Revellers." The success of "Radio Revellers," "The Sparklers," and "The Merry-makers," directed by Laurence Halbert, Rus Garling and Ad. Crea respectively, has been undoubtedly, and listeners may look forward to regular appearances each month of these happy bands. Their motto seems to be: "Let twelve months go by before you repeat the same gag—or maybe listeners will let you go by." Their watchword is: "New material," and their supply certainly seems to be inexhaustible.

AN AUSTRALIAN NATIVE: Miss Greig has had some most adventurous experiences, although she confesses to having been made the first woman solicitor in Australia, apparently during her spare time. Her more serious moments, however, have been spent in the proper study of mankind and womankind and the scenery and towns of those wonderful countries to the North-West of her native land, Australia.

THE ROLL CALL OF THE EAST: Her first series of six talks will be given during the Children's Hour, and she will ask them to open up their atlases on a route up the Australian coast to Thursday Island, next to the Isle of Bali, near Java, and through Java to Singapore, the Malay States, Penang, and thence to Burmah, where she will take them up the Irrawaddy, 1000 miles through the Shan States of Upper Burmah and all over Indo-China (Tonkin, Annam, Cochin China and Cambodia) until she leaves them to return home, gasping with the picturesqueness of it all, after a final glance through Siam and the Lao States.

SOMETHING TO SUIT ALL SORTS: Miss Greig's second series of Six Lectures will be to the more scholarly section of listeners, on much the same route, and her final series of six will be of a more general and popular character, and should prove particularly enjoyable.

"POST WAR FINANCE" is a problem that concerns the average business man, and for the benefit of those who are unable to attend lectures in the city, 2BL, Sydney, has arranged to broadcast the lecture to be given by the Honorable W. A. Holman, K.C., on "Post War Finance," to be delivered from the King's Hall on July 21st from 8.30 to 8.30 p.m.—The lecture is under the auspices of the Commercial Educational Society of Australia. The object of this organisation is not merely to impart knowledge, but to awaken interest, to inspire enthusiasm, and to create a desire for self-importance.

Mr. Holman, who is an ex-premier of New South Wales, has made a particular close study of financial problems, and his lecture on the air should create considerable interest from the business community.

EXPERT has been inundated with numerous sporting inquiries during the week. Letters have come from as far as Maryborough, Queensland, asking for correct records, and the doings of the famous teams that went to England under the captaincies of W. L. Murdoch, Joe Darling and M. A. Noble.

There are also requests for swimming, golf and bowl records. The All-Sports Expert has also been called upon to settle many arguments in connection with card problems particularly affecting the commerce of Bridge, Five Hundred and Euchre. The answers given over the air have been much appreciated, and 2BL has arranged to answer all inquiries over the air on Mondays, Wednesdays and Fridays.

Not only have letters come from Queensland, but communications have reached the station from the South Riverina. Even Nggan Australian Rules Football Association has made a request from the station to inform Sydney teams that it would at all times be pleased to arrange football matches in that district with visiting combinations.

CAPTAIN BURLEY: 2FC has pleasure in announcing the result of Captain Hurley's Third Sound Competition, the winners being as follows: Miss E. Lane, 4 Botany St., Randwick, and Miss Eileen Turner, c/o S. S. Hockings, Esq., Nilma, Gippsland, Victoria. The correct solution was: 1. Killer Whale; 2. Ship; Bell; 3. Whip; 4. Sledge Bell; 5. Whistle; 6. Creek of sledge runners on ice. Owing to so many correct entries received, The Twins, so well-known on the air, drew for the winners.

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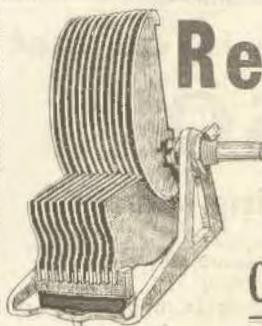
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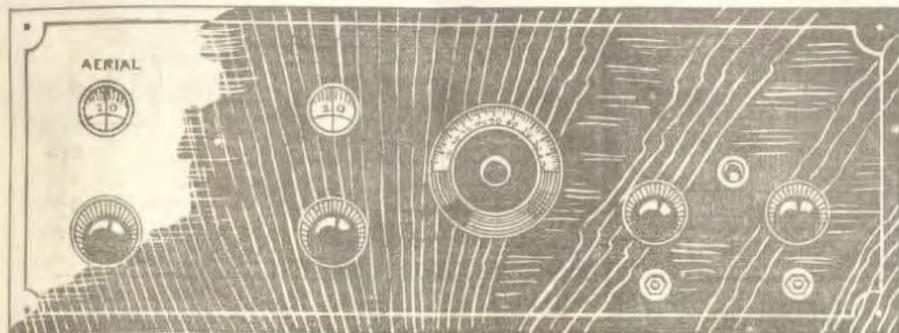
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THERE comes a time in the life of the average man when he "goes off his food." The usual menu for breakfast, dinner and tea becomes tasteless to him; he wishes for some change of diet. He gets it and is refreshed, but gradually drifts back to the usual routine of porridge and bacon for breakfast, etc.

This applies to his taste for wireless reception. Often the broadcast programmes pall on him, he would like something different, something new for refreshment of his ideas. Fortunately he is endowed for at the present juncture with short wave transmission from America and Europe. It is a fact that when one hears of a new station on the air one is not satisfied until it is found on one's receiver.

Unfortunately, again, the average broadcast receiver will not respond to such low wave lengths as are used by these overseas stations for international broadcasting. As was explained in last week's article, the usual broadcast receiver tunes from 200 to 600 metres, and invariably are of the fixed inductance type. While this is interesting from the point of view of simplicity in tuning on the broadcast wave lengths, at the same time it makes coil changing difficult. No short wave receiver is extremely successful unless some form of coil changing is present, because the coil which with a given condenser tunes from one wave length to another, if the desired wave length is not within this prescribed band it cannot be received by this set.

Parts Required.

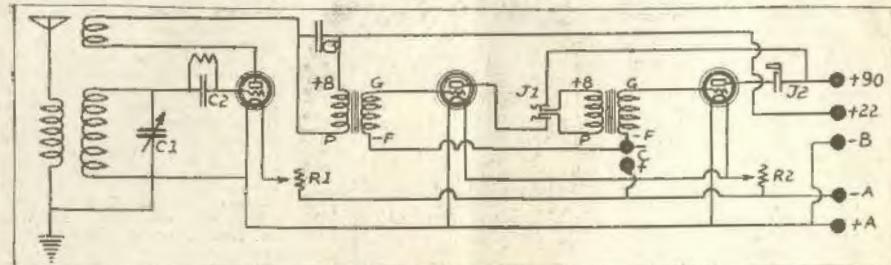
- 1-Dilecto, or Radian Panel 22in. by 8in. by $\frac{1}{8}$ in., or 3-16in.
- 2-Lengths of Dilecto Rod $\frac{1}{8}$ in. long by $\frac{1}{8}$ in. diameter.
- 1-Standard Terminal Board.
- 2-Pillars 1in. Dilecto Sheet.
- 1-Small Sub-Panel 2in. by 2in. by 1in. Dilecto.
- 1-Eminco Back of Panel, Vernier Dial.
- 1-Geophone 11 Poles, Variable Condenser with Vernier Dial complete.
- 2-Bradley Stats.
- 1-Battery Switch.
- 1-B.M.S.-D.C. Jack.
- 1-B.M.S.-S.C. Jack.
- 2-H and H Porcelain Valve Sockets.
- 1-Geophone 4 to 1 A.F. Transformer.
- 1-Dito, 2 to 1.
- 1-Electrad .0025 Grid Condenser with Clips.
- 4-Lengths of Dilecto Tubing 21in. outside Diameter by $\frac{1}{8}$ in. Length.
- 3-Lengths ditto 2in. in Diameter by $\frac{1}{8}$ in. Length.
- 4-Grodan Ees. Pins.
- 4-Grodan Ees. Books.
- 1-.0025 Dubilier Fixed Condenser.
- Sundry fittings such as Screws, Base Board, and Bus-bar.

The overseas stations invariably transmit special tests or transmission on wave lengths of between 20 and 60 metres. These wave lengths are extremely efficient from the point of view of penetrating great distances. The shorter the wave length the higher the frequency and the sharper tuned is the receiver. This means that it is hardly practicable, although not impossible, to indulge in radio frequency on a short wave receiver.

Radio frequency on the broadcast wave band is hard enough to stabilize without having to resort to short waves. It is a most difficult proposition to handle a short wave receiver in which there's employed one or two stages of radio frequency. Consequently the straight out detector is most popular for short wave work. There is no law in the land which decrees that audio frequency amplification should not be added to the average short wave receiver.

Recognising that we are not breaking any radio or natural law, this week's article takes the form of a short wave receiver, which has added to it two stages of audio frequency amplification for giving loud speaker results on the distant station.

The ideal receiver would certainly be one which would tune in these short wave stations as well as the local and interstate stations. Realising the foregoing remarks it will be obvious to most that radio frequency amplification is out of the question in such a receiver. While radio frequency amplification is advisable for the longer wave interstate stations



for satisfactory reception, it is, as previously stated, somewhat impracticable to employ radio frequency on the short waves.

It is the object of this article to provide the details for constructing a receiver for a dual purpose, that of receiving the short wave stations and also the Australian stations. To this end no radio frequency amplification is provided, only a straight out detector, followed by two stages of audio frequency amplification. For the short waves one primary and one reaction coil is used and two secondary coils, the first of which tunes from 20 to 45 metres, the second tuning from 40 to 90 metres. The same primary and reaction coil is suitable for each secondary coil mentioned above.

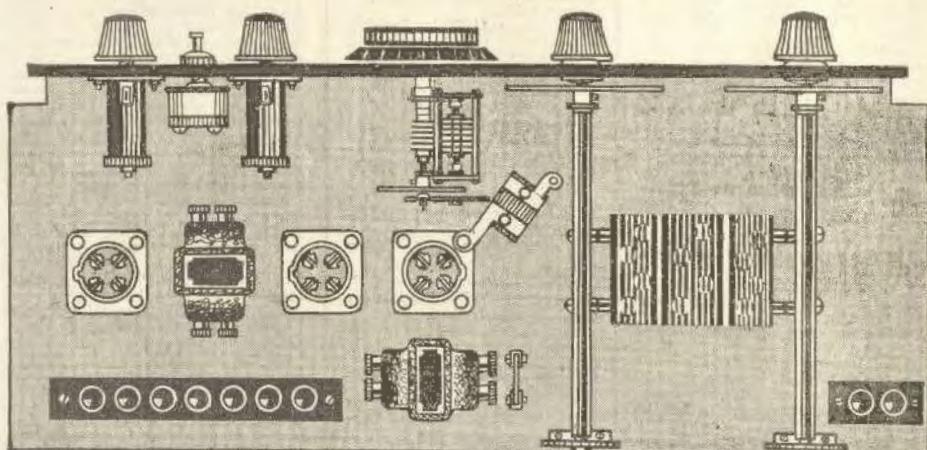
The 20 to 45 metre secondary coil consists of 7 turns of No. 20 gauge enamelled wire, wound on a 3 inch Dilecto former, and space wound,

that is, each turn is an equal distance apart from the adjacent turn. The 40 to 90 metre secondary coil is of 13 turns of the same gauge wire on a similarly sized former. The primary consists of 5 turns of the same wire on a 2½ inch Dilecto former, on a similar length of which is the reaction coil of 7 turns of 20 gauge enamelled wire. The secondary coils are interchangeable, all that is necessary to change the tuning range of the receiver from 20-45 metre band to the 40-90 metre band is the lifting out of the smaller coil and replacing it with the larger coil, both reaction and primary coils being common to both wave lengths.

You understand, of course, that four coils are necessary, one primary, one reaction, and two secondary coils. The primary and reaction coil as mentioned is wound on a 2½ inch diameter Dilecto former 1 inch in length. Grodan Eas. sockets are fitted to the edges of these coils which plug into a

Dilecto rod, which again is varied in angle by the back of panel Emmco Vernier Dials. (See illustrations.) The secondary coils are on a 3 inch diameter Dilecto former 1½ inches in length, these plugging into a small sub-panel of Dilecto raised above the baseboard as shown in the back of panel view of the receiver. All the parts, including coils, dials, bezels, rods, supporting strips, small sub-panel, etc., may be purchased from Colville Moore Wireless Supplies, Ltd., of Rowe Street, Sydney, to whom we are indebted for our models.

For the broadcast wavelength band between 200 and 550 metres, separate coils are required. A primary, secondary, and reaction coil are required, wound on formers of the respective dimensions given already, but this time No. 30 D.S.C. wire is required. The primary consists of 25 turns, secondary 70 turns, reaction of 40 turns. When the local broadcast-

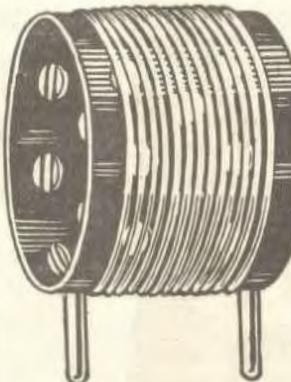


There are no rivals to the Philece.

ing stations transmissions are desired, the short wave coils should be slipped out of their positions and substituted by the broadcast coils already mentioned. This arrangement will please most people. The unique arrangement of Emmeo back panel dials and the swinging Dilecto rod prevents the bugbear common to most short wave receivers, that of difficulty of tuning due to uncertainty of the degree of coupling between primary, secondary and reaction coils. It is impossible for any slipping or back lash to take place, and the dial readings makes it possible to log any given station. This is a distinct advantage, for should you be listening to, say, WGY, Schenectady, U.S.A., one morning on a given wave length, it is a simple matter to note all settings and come back again weeks later and hear the same station, providing it is transmitting on the same wave length.

Logging makes wireless easy. But a good set is necessary before it may be logged. In conversation with Australia's foremost wireless man, Mr. Chas. MacLurcan, to-day, the writer, after showing him this masterpiece, made arrangements for him to calibrate any "W.W." readers short wave receiver built after these lines for a ridiculously low charge. Mr. MacLurcan is situated at Pratten Buildings, Jamieson Street, Sydney, and this service is one to be availed of by all.

This receiver is perhaps the best of



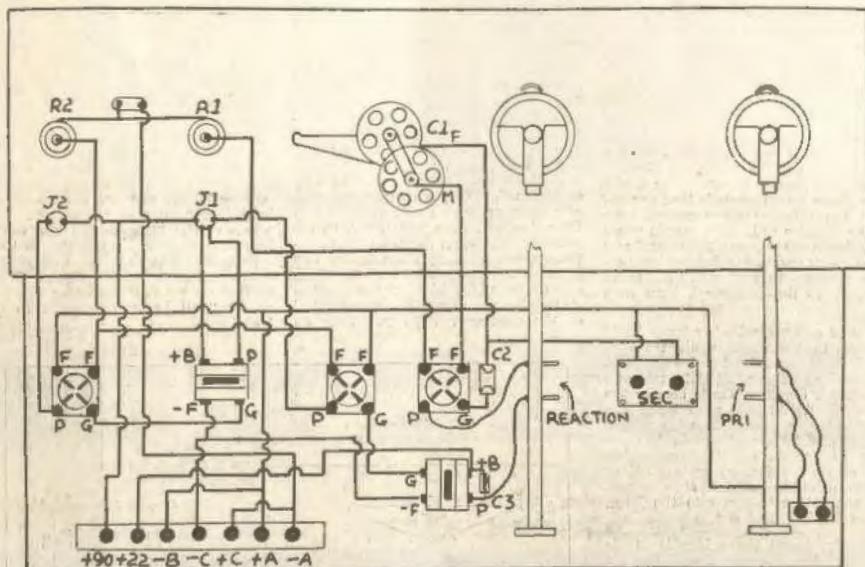
its kind to be had anywhere. The whole system is unique in many respects. All the parts have been chosen with meticulous care. The circuit is the standard regenerative circuit with an aperiodic aerial coil. Therefore, only one condenser is necessary to tune the secondary coil. This is a Gecophone 11 plate, slow motion, low loss variable condenser, which sells complete with dial. It is one of England's masterpieces, and one will have

to seek a long way before its equal will be found. The sockets are of the porcelain variety to ensure a minimum of loss, and in view of the tone qualities desirable, Geophone A.F. transformers have been included in the receiver. Bradleystats or Filko-stats are used to control the filament supply of the valves, one being used for the detector alone and one for the two audio valves. Provision is made for plugging into the first audio stage, thus bringing two valves into play, and also a single circuit jack provides the means of using all three valves.

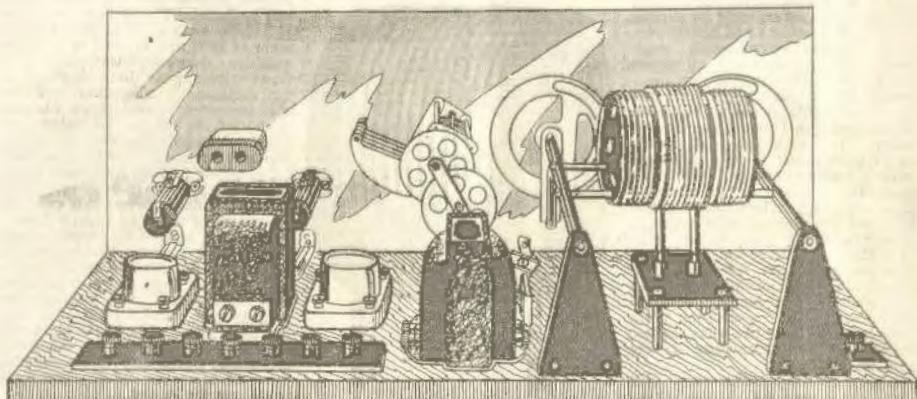
The front panel view reveals a neat and pleasing layout. Underneath the bezels may be seen the knobs for the back of panel dials, to which are fixed the Dilecto rod for holding the primary and reaction coils. The tuning condenser dial is to the right, the other two knobs being for the Bradleystats or Filko-stats. From the plan view an indication of the layout of parts may be gained.

Construction.

The construction presents no great difficulty. The rods for the coils may be drilled and tapped at home, but most people will find that purchasing them ready made will be far handier and just as cheap. The coils may be made at home or purchased. If the constructor desires to make them at home the particulars previously given will assist him. To cut down the dielectric field several $\frac{1}{8}$ inch holes



The Mighty 83X Philco is Supreme.



have been drilled in the Dilecto tubing. The separate illustration of a completed secondary coil will show this. The new Airzone short wave coil winding may be used if desired. This winding is sold at so much per inch and comprises No. 16 gauge D.C.C. wire wound on a celluloid former. As many or as few turns as are required can be cut off and mounted. A most effective arrangement worthy of consideration.

The panel drilling template should be followed carefully for the dimensions and distances of different components. When drilled the different parts should be mounted and the panel affixed to the baseboard to determine the correct positions of the baseboard parts. The baseboard should be 9½ inches deep and, of course, a coat or two of shellac varnish should be given it. Follow out the diagrams, illustrations, etc., for the layout. The 4 to 1 Geophone transformer is that one behind the detector valve socket, near to the reaction coil. The second stage transformer is between the second and third valve socket and behind the battery switch. Screw all the parts securely to the baseboard, then wire up.

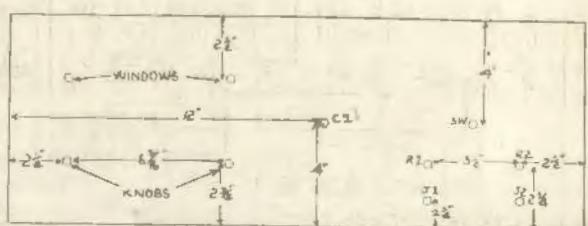
Round or square busbar lends itself to nice, neat wiring. Begin the wiring from the audio end and work back. The back of panel wiring diagram and the circuit diagram shows clearly the connections. As each wire is put into the receiver, cross it off in the wiring diagram. Check and recheck carefully as you go on, thus preventing any errors from creeping in. Solder neatly, allowing sufficient time to permit the solder to run into the joint. When finished, test out.

Firstly, insert the valves in their sockets. We recommend a Philips D4 valve for the detector. This is a

splendid detector tube which often doesn't need a grid leak. Although only a four volt valve there is no need to fear applying a 6 volt accumulator to it, provided a Bradleystat or Filko-stat is used for controlling this power. Judicious use of the rheostat plays an important part in tuning. The two audio valves may be any good 6 volt valve, such as a Genuine Radiotron, Osram, Mullard, Philips, or Cossar.

Now hook on the batteries. A 6 volt accumulator is correct for the A battery, while 22½ volts B battery will be found suitable for the plate supply for the detector valve. Don't go above this—45 volts on a D4 valve is useless—the valve won't function. For audio valves up to 90 volts may be used with a 45 volt C Battery. Plug in the coils for the wave length which you desire to receive, hook on aerial and earth, and plug the 'phones into the D.C. jack. Press the battery switch to the ON position, then gradually turn up the Bradleystats. The D4 valve will glow brilliantly, so remember this—this control is somewhat critical. Keep the primary and reaction coil away from the secondary, say at an angle of 45 degrees for a start. Slowly rotate the vernier dial of the condenser until you hear an

oscillation. Go round the whole scale until a "chirp" or oscillation is heard, or if this doesn't come along, bring your reaction coil just a little nearer to the secondary coil. In a few moments, provided everything is quite correct, you will be able to hear quite a number of "chirps," Morse code, etc. If one of the short wave stations are broadcasting you will recognise the modulated wave. The correct balancing of the filament on the detector valve and the condenser adjustment, together with the coupling relation, will clear up the carrier wave and give you good music. One night's handling will teach you quite a lot. It is fascinating to hear these stations. One morning last week on this set WGY was sufficiently strong to be heard all over the house on three valves. "To my friends in Australia" was the first phrase received, and the American voice was clear as a bell. Had television been in existence, the speaker's horn-rimmed glasses would have been shown on the screen. The whole of the transmission was worth listening to. In addition, several American, British and Continental amateurs were heard nicely. With more time we feel sure that this receiver "will bring the world to its feet."



PUTS POWER INTO YOUR SET

YOUR valves and loud speaker have real power and clean, smooth - flowing energy behind them if you are using an EMMCO "B" Battery Eliminator in your set. This strengthens the electronic emission of each valve, and makes volume bigger, loud speaker tone fresher, and distortion smoother and more life-like than you have ever known it before. The power supplied by the EMMCO "B" Eliminator never varies, never lessens, gives pure power without hum or scratch.

The EMMCO "B" Eliminator replaces "B" batteries and supplies plate current from the light socket. With the EMMCO "B" Eliminator there are no "B" batteries in charge of replacing. Unloading plate current is always available by merely turning on the household current. It keeps the "B" circuit always operating at maximum efficiency, the cost is negligible.

The EMMCO "B" Eliminator requires no changes or additions to a set. The binding posts provided are simply connected to the corresponding connections on the set. It does away with the troubles of run-down, partially run-down "B" batteries.

The EMMCO "B" Eliminator, manufactured in Australia, is especially adapted for the current and voltage of Australian electric A.C. lighting mains. It rectifies both halves of the A.C. cycle.



LIGHT SOCKET POWER IS CLEAN, SAFE, AND ECONOMICAL

EMMCO "B" ELIMINATOR

at all dealers, made by
ELECTRICITY METER MFG. CO. LTD.

(Continued from Page 18.)

On the broadcast wavelengths good fun was present. Here is the logging of the stations:

2GB—275 degrees.

2BL—361 "

3LQ—413 "

4QG—47 "

5CL—503 "

2FC—583 "

3AR—67 "

7ZL—96 "

Mind you, you are not asked to understand that these stations were received without interference. The usual interference met with in the average three valve set had to be contended with. But there are the dial settings for the stations received on the actual model illustrated.

This receiver naturally takes a bit of understanding for the start. Once understood, you will find it a simple matter to tune in the overseas stations, just as simple as tuning in the Australian stations. The previous remarks on calibrating by Mr. MacLurcan will be of interest to most and will be of great assistance.

This receiver will be of great interest in view of the latest news from London. The British authorities propose to erect a short wave station for broadcasting to the nethermost regions of the Empire. Here is a new field for exploration. Again, this paper has made arrangements with WGY to broadcast special programme to Australia on Sunday, July 24, between 6 and 8 p.m., our time, on a wavelength of 32.2 metres or 26.7 metres. Further particulars will be published next week.

A MOCK TRIAL: Another novelty for listeners will be introduced by 2FC, in the mock trial to be held shortly. Scott Alexander is writing a story round some ridiculous charge against members of the Studio. The twelve characters will be taken by twelve people whose voices are well known to 2FC listeners, who will be asked to identify each voice, and send their solutions to the Studio. Sounds easy, doesn't it? Well, watch for the date, and in the interim, amuse yourself by guessing the artists you are listening to from the 2FC Studio, and then confirming your supposition with the printed programme.

ALL NIGHT DANCE NIGHT: Now then, devotees of the light fantastic, tune in to 2FC on Tuesday, 26th July. Al Jack's Crackerjacks will play toe-tapping melodies, with ten specially selected players. Prior to announcing the dance groups at 8.0 o'clock, Harry Thomas will give another of his interesting talks on dancing. Each dance group will last ten minutes, and in the four minute intervals, vocal and humorous items will be given from the Studio.

Beauty and Permanence

RADION

The Supreme Insulation!

RADION is obtainable in all sizes from 1in. x 1in. to 48 x 21in. in prices from penny to penny halfpenny per square inch. Its fine surface and excellent insulating qualities make a better instrument of your receiver.

RADION tubing is used by all the better class coil manufacturers, and is obtainable in two inch to four inch sizes at sixpence to one shilling per inch.

RADION sockets fit either short or long prong audions.

For the
Solodyne

RADION

The Supreme Insulation!

International Radio Co. Ltd.

200 Castlereagh Street :: Sydney

6 PER CENT PRICE CUT

LARGELY increased production and improved manufacturing facilities have enabled The Clyde Engineering Company to reduce substantially the price of the Special Ford Battery, type 6-CF-11.

ON AND AFTER July 15th, 1927, the price of this well-known battery will be £5.10/- as against the old price of £8.17/6.

This reduction has not been arrived at by a corresponding reduction in quality.

THE CLYDE FORD BATTERY is placed in the usual strong, serviceable, one-piece RUBBER CONTAINER, leak-proof, acid-proof, and INDESTRUCTIBLE.



Advt. of
THE CLYDE
ENGINEERING CO. LTD.
GRANVILLE, N.S.W.

Brings the Artist Nearer and Makes the Music Clearer

"TEFAG"—The New Cone Speaker, something new in Loud Speaker design and construction, scientifically made, has full floating diaphragm, 4-Volt Adjustable Magnet and Tone Purifier.

Frame made of Heavy Copper, Florentine Bronze finish, and of attractive design.

You will be amazed with its Clarity and Fidelity.

PRICE:
£6/10/-

Complete with Cord.

PRICE:
£6/10/-

Complete with Cord.



Packed in Special Carton, especially suited for Country Transportation.

Satisfaction Guaranteed or Money Refunded.

Complete Stocks of all Standard
Makes of Speakers.

R.C.A. Cone	£10/10/-
Rola Cone	£6/15/-
Philips Cone	£6/10/-
Amplion Cone	£8/8/-
Farrand Cone	£4/-
Musicone	£3/3/-
Scala	£2/15/-

Full Range of Amplion, Brown,
Ethovox, Manhattan, etc., horn and
cabinet types.

**EXPERT ADVICE GRATIS ON
ALL YOUR RADIO PROBLEMS**

WILES' WONDERFUL WIRELESS and ELECTRICAL STORES.....

BRANCH:
23 PITT ST.
Near Circular Quay.

PITT & GOULBURN STS..
SYDNEY.

BRANCH:
384 PITT ST.
Opposite A. Bordens.

MAIL ORDER BRANCH, 60 GOULBURN STREET.

BROADCASTING PROGRAMMES For the COMING WEEK

Friday, July 15

2FC, SYDNEY.

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

EARLY MORNING SESSION:

7 a.m.—"Big Ben" and announcements.

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

7.25 a.m.—Investment market, mining share market, metal quotations.

7.35 a.m.—Wool sales, broadcast's markets, interstate markets, produce markets.

7.45 a.m.—"Sydney Morning Herald" summaries.

8 a.m.—"Big Ben." Close down.

MORNING SESSION

10 a.m.—"Big Ben" and announcements.

10.15 a.m.—Studio music.

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

10.45 a.m.—Studio music.

11 a.m.—"Big Ben."

Marching music for school children.

11.15 a.m.—A.P.A. and Reuters' Cable Services.

11.30 a.m.—Studio music.

11.45 a.m.—A talk on Home Cooking and Recipes by Miss Ruth Furt.

11.55 a.m.—Close down.

MIDDAY SESSION

12 noon—"Big Ben" and announcements.

12.15 p.m.—Stock Exchange, first call.

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

12.45 p.m.—Studio music.

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

12.55 p.m.—Radio wireless news.

12.55 p.m.—Studio music.

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

12.55 p.m.—"EILEEN JUDKINS, Australia.

12.55 p.m.—Studio music.

12.55 p.m.—"Big Ben." Close down.

AFTERNOON SESSION

2 p.m.—"Big Ben" and announcements.

2.15 p.m.—A Recital arranged by Mrs. Stuart Doyle.

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

2.45 p.m.—FRANK NOTHAM, baritone: "Red Star of the Romans" (Handel).

2.45 p.m.—Further items from the Recital arranged by Mrs. Stuart Doyle.

3 p.m.—EILEEN MOREAU, soprano: "Little Bo-peep Coon" (Coates).

3.15 p.m.—Orchestra and Organ Recital by Mr. Stuart Chaplin.

- 4.30 p.m.—FRANK NOTHAM, baritone: "A Warwickshire Wedding" (James).
4.45 p.m.—IRNE DUNCAN, soprano: "Wellington" (Martin).
4.45 p.m.—Studio music.
4.45 p.m.—EILEEN MOREAU, soprano: "Sing as the old" (Bach).
4.45 p.m.—Stock Exchange, third call.
4.45 p.m.—Studio music.
4.55 p.m.—IRNE DUNCAN, soprano: "Dreams of the Past" (Harding).
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION

5.45 p.m.—The Chimes of 2FC.

5.55 p.m.—The "Hush-Mus" talks to the children.

6.30 p.m.—A serial story for the young folk.

6.45 p.m.—Studio music.

7 p.m.—"Big Ben." Late opening news.

7.10 p.m.—Unesco's market reports (wool, wheat and starch).

7.15 p.m.—Fruit and vegetable markets.

7.20 p.m.—Shipping and weather intelligence.

7.25 p.m.—Late "Evening News" service.

NIGHT SESSION

7.45 p.m.—Programme announcements.

7.55 p.m.—EDIE SINNOTT, soprano: (a) "I never see Muggie alone" (Clytus).
(b) "Red Red Robin" (Woods).

8 p.m.—"Big Ben."

THE TIVOLI THEATRE ORCHESTRA:

8.15 p.m.—HAROLD TOLLEMACHE, baritone: "King Athaman" from "La Africana" (Menzel).

8.15 p.m.—CLYDE THORPE, violin solo.

(a) "Chant Hindoo" (Rimsky-Korsakoff-Kreisler).

(b) "Schum Rosmarin" (Kreisler).

8.24 p.m.—MADEL BATECHIER, soprano: "Piper John" (Brown).

8.24 p.m.—Lance Kennedy, Flute solo.

8.28 p.m.—Harold Tollemache, Pianist.

In "Restaurant" (Lanson Ronald).

(b) "A King's Man" (Hilman).

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

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

2BL—Broadcaster's Ltd., Sydney, wavelength 353 metres, power 5000 watts.

2GR—Theoretical Broadcasters' Syndicate Ltd., Sydney, wavelength 353 metres, power 5000 watts.

2KY—Tender and Laker Compt., Sydney, wavelength 220 metres, power 1600 watts.

2UW—Otto Mandel, Sydney, wavelength 227 metres, power 500 watts.

2MC—Metropolitan Broadcasters, wavelength 670 metres, power 510 watts.

2UE—Electrical Utilities Supply Co., Sydney, wavelength 353 metres, power 500 watts.

2BE—Burgen Electric Co., Sydney, wavelength 353 metres, power 100 watts.

2BLB—H. A. Daniels, Newcastle, wavelength 353 metres, 100 watts.

8.45 p.m.—Clyde Thorpe, Violin solo: "Sylvan Dancer" (No. 2 E Minor) (Deutsche Krieger).

8.55 p.m.—Mabel Batchelor, Soprano: "You for To-day" (Harding).
"Off a the ales" (Adelio Scotti).

9.05 p.m.—Lance Kennedy, Flute solo: "Big Ben."

All Art from the Tivoli Theatre.

9.10 p.m.—The English Puffinlets in a Radio Revue: "Old Numbers."

1. Drama Chorus by the Company.

1.15 p.m.—"The Love of the Nightmare."

The Characters in the Eternal Triangle.

The Wife Ira Vanda

The Lover Gus Dawson

The Husband Cyril Northcote

The Butler G. W. Desmond

2. Diamond Desmond will try and make you laugh at his troubles.

3. Ira Vanda in a few moments of happiness.

4. Diamond Desmond and Cyril Northcote have a little argument.

5. Finale by the Company:

"Bye, Bye, Blackbird."

9.30 p.m.—Harrison White, Bass solo: "Song of Tasmania" (Schubert).

(b) Fox Trot: "Tattle" the Bird" (Friend).

9.38 p.m.—Mabel Batchelor, soprano: "Absees" (Cows).

9.42 p.m.—Clyde Thorpe, Violin solo:

(a) "Oriental" (Cesar-Orlin).

(b) "Farewell" (Gounod-Kreisler).

9.47 p.m.—Harold Tollemache, tenor: "Life" (Blumenthal).

9.55 p.m.—Lance Kennedy, flute solo:

(a) "Selection of Scotch Airs" (White),

(b) "Pastoral Melody" (Grieg).

10.15 p.m.—A Work Competition.

10.15 p.m.—**THE ENGLISH PUFFINLETS** in a Radio Revue: "Birdcast Carols"

1. Tune in to Mirth, Melody and Laughter.

2. Ira Vanda and Gus Dawson make love over the air.

3. Diamond Desmond at the Ballot's Sweet Shop.

4. A Sketchette, "The Love Test."

The Unfaithful Wife Ira Vanda

The Lover Gus Dawson

The Husband Cyril Northcote

The Butler G. W. Desmond

5. A Work Shop of Sketches at a Night Cap.

10.30 p.m.—The Wentworth Symphonie Dance Orchestra, Conductor, Mr. Frederick Lightfoot.

10.42 p.m.—Celebrity records.

10.45 p.m.—Late news and announcements.

11 p.m.—"Big Ben."

The Wentworth Symphonie Dance Orchestra.

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

2BL, SYDNEY.

Broadcaster's Ltd.
Wave Length, 353 Metres.

Friday.

EARLY MORNING SESSION.

7 a.m.—G.P.O. clock and almanac.

7.2 a.m.—Metropolitan weather forecast.

7.4 a.m.—News service.

7.15 a.m.—G.P.O. clock and almanac.

Fruit market report.

7.15 a.m.—Vegetable market report.

7.20 a.m.—A.M.L. and F. Co's report.
 7.28 a.m.—Poultry market report.
 7.30 a.m.—G.P.O. clock and chimes.
 Musical programme from the Studio.
 7.37 a.m.—News service.
 7.45 a.m.—Boats in call by wireless.
 7.45 a.m.—G.P.O. clock and chimes.
 Mail information, shipping arrivals and departures, and port directory.
 7.48 a.m.—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 from the "Daily Telegraph".
 10.50 a.m.—Musical programme from the Studio.
 11 a.m.—G.P.O. clock and chimes.
 Announcements.
 11.30 a.m.—Musical programme from the Studio.
 11.55 a.m.—Talk on "Croquet" by Miss Gwen Varley, Broadcasters' women's sports authority.
 Social news. Replies to correspondents by Mrs. Jordan.
 Talk on "The Chef's Touch" by Mrs. Jordan.
 12 noon.—G.P.O. clock and chimes.
 Special ocean forecast and weather report.
 12.30 p.m.—Musical programme from the Studio.
 12.45 p.m.—Information. Mails, shipping and port director.
 12.55 p.m.—Boats in call by wireless.
 12.59 p.m.—Fruit market report.
 12.59 p.m.—Vegetable market report.
 12.54 p.m.—London metal market report.
 12.56 p.m.—Dairy farm produce market report.
 12.58 p.m.—G.P.O. clock and chimes.
 Foreign market report.
 12.58 p.m.—Gold market report.
 12.58 p.m.—Ruby market report.
 12.58 p.m.—News from the "Sun".
 12.45 p.m.—Hilfie's Instrumental Quartet—Direction, Caryl Castle.
 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.—Civil Service Stores Trio—Direction, Miss de Courte Bremner.
 2.30 p.m.—G.P.O. clock and chimes.
 News from the "Sun".
 2.40 p.m.—Country women's session.
 2.50 p.m.—Musical programme from the Studio.
 3 p.m.—G.P.O. clock and chimes.
 Civil Service Stores Trio.
 4.15 p.m.—Serial story.
 4.30 p.m.—Musical programme from the Studio.
 4.45 p.m.—News from the "Sun".
 4.50 p.m.—Racing resume.
 4.52 p.m.—Resume of night's programme.
 4.54 p.m.—Announcements and What's On!
 4.56 p.m.—Special ocean forecast.
 5 p.m.—G.P.O. clock and chimes.
 Close down.

EARLY EVENING SESSION.

5.15 p.m.—G.P.O. clock and chimes.
 Uncle George and the kiddies.
 5.19 p.m.—Musical programme from the Studio.
 SPECIAL COUNTRY SESSION.
 5.20 p.m.—G.P.O. clock and chimes.
 Australian Mercantile, Land, and Finance Co.'s report.
 Weather report and forecast by courtesy of Government Meteorologist.
 Producers' Distributing Society's fruit and vegetable market report.
 Stock Exchange reports.
 Grain and fodder report ("Sun").
 Dairy produce report ("Sun").

7.15 p.m.—Country news from the "Sun".
 7.20 p.m.—Talk on 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.
 7.45 p.m.—G.P.O. clock and chimes.
 Broadcasters' Topical Chorus.
 8 a.m.—Announcements and actions.
 8.10 p.m.—Mr. Stan Cartwell, comedian.
 8.27 p.m.—The Whispering Lady Enjorine.
 8.34 p.m.—Miss Marie Maxwell, comedienne.
 8.31 p.m.—Broadcaster's all-sports expert will talk on "Football".
 8.40 p.m.—Broadcasters' Trio.
 8.55 p.m.—Resume of following day's programme.
 9 p.m.—G.P.O. clock and chimes.
 Weather report and forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.
 9.21 p.m.—Graham and Paul (a piano and two violins).
 9.22 p.m.—The sporting editor of the "Sun" will talk on the prospects of Saturday's racing.
 9.42 p.m.—Mr. Fred Lester, light comedian.
 9.48 p.m.—Broadcasters' Trio.
 10 p.m.—G.P.O. clock and chimes.
 10.15 p.m.—Mr. Roger Jones.
 10.30 p.m.—The Whispering Lady Baritones.
 10.45 p.m.—News reports by courtesy of the "Sun" Newspapers.
 10.50 p.m.—Miss Marie Maxwell.
 10.48 p.m.—Mr. Fred Lester.
 10.50 p.m.—Broadcasters' Trio.
 11 p.m.—G.P.O. clock and chimes.
 National Anthem.

AFTERNOON SESSION.

3.30 p.m.—Music.
 3.57 p.m.—Talk, Home hints: Mrs. Dunsmore.
 3.52 p.m.—Music.
 4.15 p.m.—Talk, Christianity: Mrs. E. Ward.
 4.22 p.m.—Music.
 4.30 p.m.—Close down.

EVENING SESSION.

6.30 p.m.—Children's Session.
 7 p.m.—Music.
 7.56 p.m.—Visitation.
 7.58 p.m.—Music.
 7.59 p.m.—Announcements by R. E. Bennett.
 8 p.m.—Music.
 7.35 p.m.—Talk by Mr. J. K. Powell.
 7.50 p.m.—Announcements.
 7.52 p.m.—Violin Solo by DAN SCULLY: "Polonaise" (Wienawski).
 8.5 p.m.—Address by Mr. A. E. BENNETT.
 8.29 p.m.—Songs by Mr. W. J. STELZER: "The Song of the Windmill".
 8.30 p.m.—"Sun".
 8.39 p.m.—An Half-hour with the 2GB String Quartette: LLOYD DAVIES, MONICA HORDER, CHARLES BOULT, MURIEL LANG.
 9 p.m.—"Mending Broken Men," by the Rev. R. B. S. Hammond.
 9.15 p.m.—Songs by Mr. W. J. STELZER:
 1. "The Old Fashioned Town."
 2. "Mother Machine."
 9.23 p.m.—Musical Monologues by J. K. POWELL.
 9.38 p.m.—Instrumental Trio: DAN SCULLY, MURIEL LANG, ADA BROOK.
 9.50 p.m.—Talk.
 10 p.m.—Close down.

3LO, MELBOURNE.

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

Friday. MIDDAY SESSION.

12 noon.—Time Signal. Metal Prices received by the Australian Mines and Metals' Association from the London Stock Exchanges this day. British Official Wires news from Rugby, Reuter's and The Australian Press Association Cables. "Argus" news service.

12.20 p.m.—FRANK AND FRANCES LUHL: Duet, "Lulu Girl," "Byzance," "Song of Karval."

12.30 p.m.—Description of semi-finals and Finals in the Waterloo Cup, Plate and Purse, Geelong and District Aogoule Winter Carnival.

12.47 p.m.—Stock Exchange information.
 12.50 p.m.—STUDIO ORCHESTRA: "Under Tom"—Imitation Overture.

1 p.m.—J. PITTIGROVE, tenor: "It was a Lover and His Lass" (Old English).
 "Myra" (Guisan).

1.5 p.m.—WALTER SMITH, cornet: "The River of Gold" (Siegert).

1.55 p.m.—Description of the formation. Shipping intelligence. Weather synopsis for Victoria, Tasmania, South Australia and New South Wales. Ocean forecast. River reports.

1.50 p.m.—STUDIO ORCHESTRA: "By the Lake of Geneva," Part II (Bendel).
 1.55 p.m.—MISS SHIMITH, contralto: "By the Hills" (Bendel).

"The Birds" (French).
 "The Birds Are Calling" (London-Ronald).
 1.57 p.m.—MARION LIGHTFOOT, English Concertina—

"Melodic L'Amour."
 "Blue Bells of Scotland."

1.58 p.m.—J. PITTIGROVE, tenor: "Matilda" (Bendel).
 "Little Brown Bow" (French).

1.50 p.m.—STUDIO ORCHESTRA: "Indian Summer" (Lake).
 2 p.m.—Close down.

2.45 p.m.—Description of Associated Public Schools of Victoria Football—GEELONG GRAMMAR SCHOOL v. XAVIER COLLEGE, at Geelong. Description by Mr. Wallace Sharland.

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2 Pillars, 2 x 4 x 4 Bakelite	1/2	1 Geco 2-1 Transformer	£1/12/6
1 Sub Panel, 2 x 2 x 4, Bakelite	4d.	1 Panel, 22 x 8 x 3-16ths Radion or Dilecto, 17/6	
2 Eimco Back of Panel Mtg. Dials	11/-	2 Bradleystats	£1/10/-
4 Lengths Dilecto Tubing, 2in. diam., x 11-in.,	7/6	1 Geco 11 Plate Condenser, Vernier Dial, £1/17/-	
1 lb. 18 Enamel Covered Wire	1/4	1 Cutler-Hammer Battery Switch	3/9
1 oz. 30 Double Silk Green Wire	1/-	1 R.M.S. Single Circuit Jack	2/9
3 Lengths Dilecto Tubing, 2in. x 13in.	7/6	1 B.M.S. Double Circuit Jack	3/-
20 Special Pins and Sockets for mounting coils	8/6	1 Electrad Condenser and Link	4/6
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		2 B. 406 Valves, "Philips"	£1/7/-

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2.45 p.m.—Description of Associated Public Schools of Victoria Football—WESLEY COLLEGE v. GEELONG COLLEGE, from the Melbourne Cricket Ground. Described by Mr. C. Brooks.

AFTERNOON SESSION.

3.15 p.m.—STUDIO ORCHESTRA: "Bronze Home Overture" (Auber).

3.10 p.m.—Description of Associated Public Schools of Victoria Football—GEELONG GRAMMAR SCHOOL v. XAVIER COLLEGE, at Geelong. Description by Mr. Wallace Shandland. Quarter time.

3.20 p.m.—Description of Associated Public Schools of Victoria Football—WESLEY COLLEGE v. GEELONG COLLEGE, from the Melbourne Cricket Ground. Described by Mr. C. Brooks. Quarter time.

3.40 p.m.—STUDIO ORCHESTRA: "Antique Dance Suite" (Spartakiad).

3.10 p.m.—Description of Associated Public Schools of Victoria Football—GEELONG GRAMMAR SCHOOL v. XAVIER COLLEGE, at Geelong. Description by Mr. Wallace Shandland. Half time.

3.50 p.m.—Description of Associated Public Schools of Victoria Football—WESLEY COLLEGE v. GEELONG COLLEGE, from the Melbourne Cricket Ground. Described by Mr. C. Brooks.

4.10 p.m.—Description of the Finals in the Water-400 Cup, Geelong and District Animal Winter Carnival. Transmitted from Geelong.

4.30 p.m.—MADAME LAMBERT, soprano: "Bandeau de Cour."

4.45 p.m.—"Presto."

4.15 p.m.—Description of Associated Public Schools of Victoria Football—GEELONG GRAMMAR SCHOOL v. XAVIER COLLEGE, in Geelong. Description by Mr. Wallace Shandland. Threequarter time.

4.25 p.m.—Description of Associated Public Schools of Victoria Football—WESLEY COLLEGE v. GEELONG COLLEGE, from the Melbourne Cricket Ground. Described by Mr. C. Brooks. Threemarters.

4.45 p.m.—MRS. M. CALLOWAY MAHOGI: "The Study of Colour."

Summary—This talk will deal with individual colour schemes, vivid and subtle schemes, traditional and useful geraniums, the use of colour in flower beds, and shade rooms, the use of colour in fabrics, and the judicious employment of ultramodern and metal ornaments to produce highlights in the room picture.

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

4.55 p.m.—Description of Associated Public Schools of Victoria Football—GEELONG GRAMMAR SCHOOL v. XAVIER COLLEGE, at Geelong. Description by Mr. Wallace Shandland. Final score.

5.10 p.m.—Description of Associated Public Schools of Victoria Football—WESLEY COLLEGE v. GEELONG COLLEGE, from the Melbourne Cricket Ground. Described by Mr. C. Brooks. Final score.

5.20 p.m.—Close down.

EVENING SESSION

5.30 p.m.—Answers to children's letters and birthday greetings.

5.45 p.m.—ELsie BRADESHAW, piano: Two little pieces for the children.

5.57 p.m.—CAPTAIN DONALD MACLEAN: "Captain Bartholomew Roberts."

6.22 p.m.—ELsie BRADESHAW:

With her little songs for the children. Offered a copy of "Markabat" book of songs. Number of books ordered for following week's sale. Sponsored by Livestock Agents' Association, Oxford Chambers, Bourke Street, Melbourne.

6.45 p.m.—"Herald" news service. Weather synopsis. Shipping movements.

6.47 p.m.—Stock Exchange information.

6.52 p.m.—Fish market reports by J. R. Borrell, Ltd. Rubber prices.

6.53 p.m.—Market reports of fruit by the Victorian Fruiteers' Association, compiled by the Fresh World, exclusive to 3YA.

NIGHT SESSION.

7.15 p.m.—Talk on the actions of the AGRICULTURAL DEPARTMENT, MR. E. G. HALLIBURTON, Souler Farm Produce Inspector: "Grain and Peeler Marketing."

7.30 p.m.—STUDIO ORCHESTRA: "Marines Selection" (Wells).

7.40 p.m.—FRANK and FRANCES LUIZ: Duet, "Alala On"; Song, "Kun Ipu"; Steel Guitar-Ukulele; Solo, "Hawaiian Waile." Duet, "Alah, Baby Boy."

7.50 p.m.—STUDIO ORCHESTRA: "Pilgrim Chorus."

7.57 p.m.—MR. H. K. LOVE: "Techniculles."

7.57 p.m.—COLLINGWOOD CITIZENS' BAND: March, "Steadfast and True;" Overture, "King Edward."

8.11 p.m.—MADAME LIGHTFOOT, banjo: "Take Your Pick."

"Dashaway Quickstep."

8.24 p.m.—MADAME LAMBERT, soprano: "La chire Malson" (Dobrene); "La Coeur de Moi Me" (Dobrene).

8.31 p.m.—STUDIO ORCHESTRA: "Symphony in G minor"—1st movement (Mozart).

8.41 p.m.—THE PREMIER FOUR:

"Magnolia Bloom" (Sam Fox).

"I Like to go Down South Once More" (Purcell).

8.48 p.m.—COLLINGWOOD CITIZENS' BAND: Fanfare, Sole, "Brooks Melody"; "Luther's Hymn."

8.58 p.m.—Announcements and the Royal Automobile Club of Victoria's Safety Message for Tuesday is for MOTORISTS: "You must know by, but you may not be so sure how far off you are as you would have the other fellow drive."

8.57 p.m.—FESTIVE FOUR:

Duet, "I Heard a Voice" (Glover); "Mollie Salle Arany," Miss Gertrude Hillson, Quartette, "La Traviata" (Verdi).

9.00 p.m.—"CARDIGAN" (Mr. H. W. Wolfe, Sporting Editor of the "Argus") and the "Australasian" will speak on Saturday's Races.

9.15 p.m.—COLLINGWOOD CITIZENS' BAND: "Gems of Sullivan's Opera."

9.23 p.m.—ISABEL HUDDLE, contralto: "None but the Weary Heart" (With violin) (Tchaikowsky); "To the Children" (Olkigito) (Rachmaninoff).

9.36 p.m.—MARION LIGHTFOOT, banjo: "Pro Patria"; "Water Nymphs."

9.43 p.m.—MR. C. J. WILLIAMS: "Shatiner's Stadium Events."

9.53 p.m.—STUDIO ORCHESTRA: "Symphony in G minor"—second movement (Mozart).

NEW ZEALAND STATIONS:

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

Power 500 Watts; Wavelength, 420 Metres. Silent Night, Monday.

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

Power 120 Watts; Wavelength, 295 Metres. Silent Night, Thursday.

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

Power 500 Watts; Wavelength, 400 Metres. Silent Night, Thursday.

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

Power 750 Watts; Wavelength, 435 Metres.

10 p.m.—Meteorological information. Road notes supplied by the Automobile Club of Victoria.

10.15 p.m.—COLLINGWOOD CITIZENS' BAND: Intermezzo, "Dreamland Fair."

10.12 p.m.—ISABEL HUDDLE, contralto: "At Night" (with violin) (Rachmaninoff); "Yester" (Oliver).

10.19 p.m.—STATION TRIO:

"Griffle Song" (Schubert).

10.25 p.m.—"Arius" nova serena. British official wireless news.

10.30 p.m.—MADAME LAMBERT, soprano: "Friere Tous" (Puccini).

"Serenade" (Strauss).

10.40 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:

"The Windy Trail" (Hawkins).

"Moonlight on the Ganges" (Wallace).

"Mignonne" (Nichols).

"Crazy Woof, Crazy Woof" (Vellien).

"Atu! Shu Sweet" (Vellien).

"Cousin, the Piano"—Piano solo. (Contreys).

"Speech" (Friend).

"The Hunting Waltz" (Goldstein).

10.45 p.m.—"OUR 2500 THOUGHTS" (Goldstein). "I am not equal to it. Virtuous, he is free from avarice; wise, he is free from perplexities; bold, he is free from fear."—Confucius.

11.11 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.

11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Associated Radio Co.
Wave Length, 484 Metres.

Friday

EVENING SESSION

"HAPPY, HARMONY, HILARIOUS."

10.00 p.m.—Mr. George Beattie, Principal of the Bentleigh College of Physical Culture: "Physical Fitness."

10.45 p.m.—Tasmanian's Races. Special Report and Tips by the Turf Expert, "Field Glasses."

10.56 p.m.—Market Reports.

10.58 p.m.—Week-end Tourists' Guide.

10.59 p.m.—G.P.O. Clock says "Eight."

10.51 p.m.—Miss Elsie Kerwin, Contrejoli: "A Little Bit of Sunshine" (Blunt).

"A Minstrel" (Brake).

10.57 p.m.—The Emerald Islanders.

"Loveable Laughter from Erin."

10.58 p.m.—Miss Violet Woolcock, Videl: "Adagio" (Max Bruch).

10.59 p.m.—Laurence Burnett, Burnett, English Humorist: "Matilda" (Weston and Lee).

"Lulu" (Leslie Stasik), Entertainment at the Piano.

10.59 p.m.—Announcement.

10.59 p.m.—Miss Camille Barton: "The Happy Lady."

Popular hits in a popular way in a popular style.

10.59 p.m.—Mr. Howard Thomas, Tenor: "Mine My Girl" (Atherton), by request; "Absent" (Metcalfe).

10.59 p.m.—Mr. Walter Major, Hay: "The Harmonious Bluettes" (Blundell).

10.59 p.m.—Mr. Edwin Alexander, Literary Talk: "Poets of the Modern Age, 1875-1900."

10.59 p.m.—Miss Elsie Kerwin, Contrejoli: "By the Waters of Minnetonka" (Johansen).

10.59 p.m.—Mr. W. J. Gaffey, The Emerald Islander: "Fernagh Froth, Gatsby Gatsby, and Corking Connolly."

10.59 p.m.—Miss Violet Woolcock, Videl: "The Old Refrain" (Kreisler).

"Serenades" (Morzakowski).

10.59 p.m.—Miss Camille Barton, The Emerald Islands—mirthful melodies of the day (and night).

10.59 p.m.—Mr. Laurence Burnett, English Humorist: An Entertainment at the Piano: "The Little Nipper" (Chevalier).

"Killah-e" (R. Martin).



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9.55 p.m.—Mr. Walter Barker, Horn:
"The Waterfall" (Thompson).
9.55 p.m.—Mr. Harold Thomas, Tenor:
"O Night of Stars and Splendour" (Thompson).
"Now Sleeps the Crimson Petal" (Quiller).
10.0 p.m.—G.P.O. Clock Says "Ten".
10.1 p.m.—"Age of News Bulletin".
10.3 p.m.—Dance Hour—selected Ballroom
Orchestrals (Direction, Mr. Harry Neagle).
10.5 p.m.—To-morrow's Entertainment.
11.0 p.m.—G.P.O. Clock Says "Eleven"; God
Save the King.

4QG, BRISBANE

Queensland Radio Service.
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Friday

MIDDAY SESSION.

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

FRIM 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:
3.30 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.

4.30 p.m.—"Daily Standard" news, weather in-
formation, announcements.

6.30 p.m.—Hedding story in "The Sandman".

7 p.m.—Market reports, stock reports.

7.30 p.m.—Weather news, announcements.

7.45 p.m.—Standard time signal.

NIGHT SESSION.

W.E.A. MUSIC CLASSES.
The Workers' Educational Association's
Tutorial Classes in Music are being held
this session in the reading hall at 4QG,
and are being conducted by Mr. George
Scholes (Musical Adviser, Department of
Public Instruction); Lecturer in Music
Teachers' Training College).

The object of holding the classes at 4QG
is to broadcast both the lectures and the
music, and so 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 lecture which is usually
given at 7.45 p.m. will be dispensed with,
and the classes will begin at that hour.

The tutor, Mr. Sampson, will lecture during
the first portion of each evening, and
chamber music will be played after such
lectures.

FROM THE RECEPTION HALL.

7.45 p.m.—W.E.A. music class. The following
articles will illustrate Mr. Sampson's lecture
to-night: Mrs. Gon Sampson (pianof.), Miss
Eadie Sturz (violin), Miss Marjory Stuart
(cello), Mr. T. Waldron (flute).

8 p.m.—Weekend weather information for
members, officially supplied by the Royal
Automobile Club of Queensland.

STUDIO PROGRAMME.

8.10 p.m.—Overture "Princess of India"
(Loring), the Gailey Theatre Orchestra; male
quartette, "Where My Caravan has Roared" (Lori),
the Anglo Male Quartette; tenor
solo, "Dawn" (McGill), Mr. C. B. Kots;
valse, "Baroness" (Cobb), the Gailey Theatre
Orchestra; tenor and bass duet, "Two
Guards" (Wilson), Mervyn and Bert
Pike; tenor solo, selected, Mr. Robert
Barker; various solos, "When the Sergeant
Major's on Parade" (Longstaffe), Mr. A. F.
Studholme; a Dickens reading—"Nancy Ross
to Meet Rose Maylie" (from "Oliver
Twist"), Mr. H. Humphreys; bass solo, "The
Melody of Life" (Lohr), Mr. R. Pike; male
quartette, "The Old Oak Bucket" (Parke).

the Anglo Male Quartette; march, "Radium
King" (Trotter); Valley Theatre Orches-
tra; male quartette, "Sally in Our Alley,"
the Anglo Male Quartette.

FROM THE STUDIO:

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

5CL, ADELAIDE

Central Broadcasters, Ltd.
Wave Length, 396 Metres.

Friday.

MORNING SESSION.

12 noon—Chimes.
12.1 p.m.—Studio music.
12.3 p.m.—"Advertiser" news service and
market reports.
12.45 p.m.—Studio music.
1 p.m.—Community singing from the Adelaide
Town Hall.

2 p.m.—Chimes and close down.

AFTERNOON SESSION.

3 p.m.—Chimes.
3.1 p.m.—Relay from Maple Leaf Cafe;
Orchestral selections.
3.15 p.m.—Studio music.
4 p.m.—Chimes.
4.1 p.m.—Relay from Arcadia Cafe;
Orchestral selections.
4.45 p.m.—Station announcements.
5 p.m.—Chimes and close down.

EVENING SESSION.

6 p.m.—Chimes.
6.1 p.m.—Relay from Covens Gardens;
Orchestral selections.
6.45 p.m.—Children's entertainment.
7 p.m.—Market reports.
Stock Exchange Intelligence.
Retail Grocer's Report.
Automobile Association Bulletin and
Fish Market Report.
7.45 p.m.—Sporting talk by "Windrow."
8 p.m.—Football talk by "High Mark."
9 p.m.—Chimes.
8.1 p.m.—Ronay Malcolm Reid's Melody Mas-
ters.

From the Studio:
Gladys McIle, contralto.
Linda Wild, soprano.
Doris Wild, lyric tenor.
Janet Hart, soprano.
Friedl Gibbons, cellist.
Seth Smith, banjoist.
Plumtree, Mary Moagan.
9.1 p.m.—Official Weather Bulletins.
Dalgety's weather report.
9.2 p.m.—Studio Items.
10 p.m.—"Advertiser" news service.
Wireless shipping.
10.15 p.m.—Studio Items.
10.30 p.m.—Weather bulletin.
11 p.m.—Chimes.
Station announcements.
National Anthem.

7ZL, HOBART

Tasmanian Broadcasters, Ltd.

Friday.

MORNING SESSION.

11 a.m.—Chimes and tune in.
11.1 a.m.—Tune in selection.
11.5 a.m.—British official wireless news.
11.10 a.m.—"Mercury" news service.
11.30 a.m.—Shipping information.
Ships within wireless range.
Foreign exchange market.
Housewives' guide.

11.45 a.m.—Tune in selection.
11.45 a.m.—What's doing: Amusement guide.
11.55 a.m.—Tasmanian District Weather re-
ports.

2 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Clock Chimes.
3.1 p.m.—Tune in selection.
3.2 p.m.—Items of interest: Announcements.
3.15 p.m.—Orchestral Selections by 7ZL
Orchestra.

4.15 p.m.—Educational Talk.

4.25 p.m.— Hobart Stock Exchange quotations.
Weather forecast.

4.30 p.m.—Close down.

EARLY EVENING SESSION.

6.30 p.m.—Children's Corner with the "Radio
Lad."

7.15 p.m.—Young Folks' Gardening Chat by
Mr. George Nation.

NIGHT SESSION.

7.30 p.m.—Fruit Poultry and Produce Re-
ports through the courtesy of Roberts and
Co., Ltd., Murray Street, Hobart.
7.35 p.m.—Gardening Chat by Mr. Geo. Nation,
Glen Nurseries, Cascades.

7.30 p.m.—"Mercury" special Tasmanian news
service.

7.35 p.m.—Railway Auction Produce Sales.
Hobart Stock Exchange quotations.
Weather Forecast.

7.37 p.m.—Sports Budget, through the courtesy
of Mr. H. W. Newton, of the Hobart Sports
Dept.

8 p.m.—G.P.O. Clock Chimes.

8.15 p.m.—Miss Joyce Brewell (mezzo
soprano), Miss Enid Brewell (contralto),
Miss Ruby Wallace (soprano), Mr. Reg
Copper (bass baritone), Miss Jessie (pianist),
Mr. Victor Pharaoh (bass oboe).
8.30 p.m.—Talk on To-morrow's Football by
"Snowy" Marsh.

8.35 p.m.—British official wireless news.
9.15 p.m.—"Mercury" special interstate news
service.

Tasmanian District Weather Reports.

9.35 p.m.—Weather synopses.

Station announcements.

Travellers' Week-end Information.

10 p.m.—Close down.

Saturday, July 16

2FC, SYDNEY

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.
8 a.m.—Studio Music.

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

7.25 a.m.—Investment market, mining share
quotations, gold quotations.

7.30 a.m.—Wool sales, broadcast wool markets,
inter-state markets, produce markets.

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

8 a.m.—"Big Ben." Close down.

MORNING SESSION.

10 a.m.—"Big Ben" and announcements.

10.15 a.m.—Studio Music.

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

10.50 a.m.—Studio music.

11 a.m.—A Talk by the 2FC Racing Com-
missioner.

10.45 a.m.—Studio music.

11 a.m.—"Big Ben." Studio Music.

12.5 a.m.—A.P.A. and Reuter's Cable Services.

11.10 a.m.—Studio music.

11.15 a.m.—A Talk on Gardening by Mr. G. J.
Leighton ("Redgum").

11.25 a.m.—Close down.

MIDDAY AND AFTERNOON SESSIONS.

12 noon.—"Big Ben" and announcements.

12.30 p.m.—Stock Exchange, first call.

12.30 p.m.—Studio Music.

and Rugby Wireless.

12.35 p.m.—Studio Music.

Note.—Results of the A.J.C. Meeting at
Warwick Farm will be given throughout
the afternoon.

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

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

1.30 p.m.—Studio music.

Musician items will be given from the Studio
and the Wentworth Symphonic Dance
Company, conducted by Mr. Frederick
Leighton, will be heard at intervals.

1.45 p.m.—"Big Ben" Studio Music.

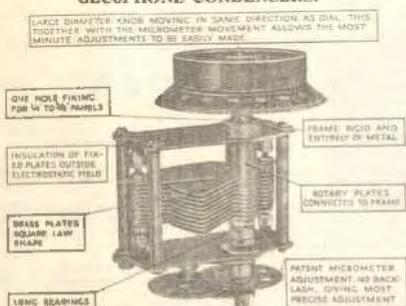
1.55 p.m.—"Big Ben" Studio Music.

2 p.m.—From the Sydney Sports Ground, a
description by Miss Wicks of the Third Test
Match between the English Ladies' Hockey
Team and The Women's Hockey Team of
Australia.

Two Essentials for the Efficiency of your Short Wave Receiver

In the building of the short wave receiver, GECOPHONE Transformers and Condensers have been chosen. They are equally efficient on the short as on the long waves. Make sure your set is efficient by building these components into your circuit, and by using Osram Valves. The impedance matches—this is essential for low-loss work.

GECOPHONE CONDENSERS.



GECOPHONE TRANSFORMERS.



BC 720.5.

BC 720	2 - 1	35 -
BC 725	4 - 1	35 -

Gecophone Low Loss Slow-Motion Condensers.

BC 993	.00025	31.6
BC 995	.0003	32.6
BC 670	.0003	Straight Line 37.-

The Gecophone Transformer provides perfect tone quality with maximum amplification. It is available in two types, having a ratio of 2.1 and 4.1 respectively.

GECPHONE

AT ALL LICENSED RADIO DEALERS.

British General Electric Co. Ltd.

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



The Boon Companions of Osram Valves.



4.30 p.m.—Complete resume of the day's sporting events.

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.

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

5.40 p.m.—Dinner music.

7 p.m.—"Big Ben." Late sporting news.

7.15 p.m.—Weather intelligence.

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

7.30 p.m.—Studio music.

NIGHT SESSION.

7.45 p.m.—Programme announcements.

7.50 p.m.—Studio Music.

8 p.m.—From the Crystal Palace Theatre, George Street, Sydney, "Tootie-Todd," Operetta by the Crystal Palace Theatre Orchestra, conducted by Mr. Harry Stone.

8.15 p.m.—Laurence Halbert and his Radio Revellers (from the Studio): Opening Chorus.

8.10 p.m.—Harry Croft, baritone.

8.14 p.m.—Dance Music.

8.20 p.m.—Wally Balmer and Laurence Halbert in some Songs.

8.25 p.m.—Gladys Finsler, soprano, in popular numbers.

8.28 p.m.—Alexander Spouse, Mouth Organ Player.

8.32 p.m.—Dance Music.

8.39 p.m.—Charles Lawrence, Entertainer: "How to Write a Monologue" (Herbert).

8.45 p.m.—Shirley Cooke, Soubrette, in comedy numbers.

8.50 p.m.—A Radio Burlesque.

8.55 p.m.—Harry Croft, Baritone.

9 p.m.—"Big Ben." Dance Music.

9.15 p.m.—Wally Balmer, Comedian.

9.18 p.m.—Gladys Finsler, soprano.

9.18 p.m.—Alexander Spouse, Mouth Organ Player.

9.19 p.m.—Dance Music.

9.25 p.m.—Charles Lawrence, Entertainer: "Can't Please Everybody" (Talbot).

9.30 p.m.—Radio Comedy.

9.35 p.m.—Dance Music.

9.44 p.m.—Final Chorus by the "Revellers."

9.49 p.m.—The Crystal Palace Theatre Orchestra, Conductor, Mr. Harry Stone.

10.10 p.m.—Harry Croft, Baritone (from the Studio).

10.14 p.m.—Alexander Spouse, Mouth Organ Player.

10.19 p.m.—Shirley Cooke, soubrette.

10.22 p.m.—The Crystal Palace Theatre Orchestra.

10.30 p.m.—Dance Music, under the direction of Len Maurice, with vocal choruses at intervals until 11.30 p.m.

10.30 p.m.—Announcements and late news.

11 p.m.—"Big Ben." Dance Music.

11.30 p.m.—National Anthem.

Close down.

2BL, SYDNEY

Saturday.

EARLY MORNING SESSION.

7.00 a.m.—G.P.O. Clock and Chimes; Metropolitan Weather Forecast.

7.15 a.m.—Weather Report.

7.45 a.m.—News Service.

7.45 a.m.—G.P.O. Clock and Chimes; Fruit Market Report.

7.50 a.m.—Vegetable Market Report.

7.50 a.m.—Australian Mercantile Land and Finance Co.'s Report.

7.54 a.m.—Dairy and Farm Produce Market Report.

7.58 a.m.—Poultry Market Report.

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

7.55 a.m.—"Big Ben." News Service.

7.55 a.m.—Boat in Call to Wireless.

7.55 a.m.—G.P.O. Clock and Chimes; Mail Information, Shipping Arrivals and Departures, and Port Directory.

7.58 a.m.—"Big Ben." News Service.

8.00 a.m.—G.P.O. Clock and Chimes; Close down.

MORNING SESSION.

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

11.15 a.m.—Social Notes by Mrs. Jordan: Talk on "Simple Cooking for Children," by Mrs. Jordan.

AFTERNOON SESSION.

12 noon.—G.P.O. Clock and Chimes; Special Ocean Forecast and Weather Report.

12.15 p.m.—Sports and Athletic Fixtures.

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

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

12.40 p.m.—News from the "Sun."

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

12.40 p.m.—News from the "Sun."

12.50 p.m.—Racing Results.

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

1.00 p.m.—G.P.O. Clock and Chimes; Musical Programme from the Studio.

1.15 p.m.—Sports, Tennis and Athletic Fixtures for the Day; Lacrosse, Hockey, Tennis, Football, Skating, Boating, etc.

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

1.30 p.m.—G.P.O. Clock and Chimes; Talk to Children and Special Entertainment for Children in Hospital.

2.00 p.m.—G.P.O. Clock and Chimes; Serial Drama.

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

2.25 p.m.—Racing Results.

2.30 p.m.—G.P.O. Clock and Chimes; News from the "Sun." During the Afternoon Sports Information will be broadcast by courtesy of the "Sun," interspersed with Musical Items and broadcasting of Football Matches.

2.45 p.m.—Shirley Cooke, Soubrette, in comedy numbers.

2.50 p.m.—Close Down.

EARLY EVENING SESSION.

3.45 p.m.—G.P.O. Clock and Chimes; Uncle George and the Kiddies.

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

3.55 p.m.—Results of all Sporting Information, including Racing, Bowls, Tennis, Athletics, by courtesy of the "Sun."

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

4.00 p.m.—G.P.O. Clock and Chimes; Broadcasters' Serial.

4.15 p.m.—Sporting Programme between Sporting Events, Musical Numbers by Bert Warne and Doris Osborne; Norman Wright (Tenor), and Miss Heather Kinnaird (Contralto).

4.30 p.m.—The Australian Marine Band Broadcast from the Ballroom of the A.M.A. Building. During Intervals between Dances, News Reports by courtesy of the "Sun." Newspapers will be broadcast.

4.45 p.m.—G.P.O. Clock and Chimes; National Anthem.

AFTERNOON SESSION.

5.45 p.m.—G.P.O. Clock and Chimes; Uncle George and the Kiddies.

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

5.55 p.m.—Results of all Sporting Information, including Racing, Bowls, Tennis, Athletics, by courtesy of the "Sun."

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

6.00 p.m.—G.P.O. Clock and Chimes; Broadcasters' Serial.

6.15 p.m.—Sporting Programme between Sporting Events, Musical Numbers by Bert Warne and Doris Osborne; Norman Wright (Tenor), and Miss Heather Kinnaird (Contralto).

6.30 p.m.—The Australian Marine Band Broadcast from the Ballroom of the A.M.A. Building. During Intervals between Dances, News Reports by courtesy of the "Sun." Newspapers will be broadcast.

6.45 p.m.—Shirley Cooke, Soubrette, in comedy numbers.

6.50 p.m.—Close Down.

EARLY EVENING SESSION.

7.45 p.m.—G.P.O. Clock and Chimes; Uncle George and the Kiddies.

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

7.55 p.m.—Results of all Sporting Information, including Racing, Bowls, Tennis, Athletics, by courtesy of the "Sun."

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

8.00 p.m.—G.P.O. Clock and Chimes; Broadcasters' Serial.

8.15 p.m.—Sporting Programme between Sporting Events, Musical Numbers by Bert Warne and Doris Osborne; Norman Wright (Tenor), and Miss Heather Kinnaird (Contralto).

8.25 p.m.—Shirley Cooke, Soubrette, in comedy numbers.

8.30 p.m.—Close Down.

3LO, MELBOURNE.

Saturday.

MORNING SESSION.

Announcer ALFRED ANDREW.

Accompanists AGNES FORTUNE.

STUDIO ORCHESTRA:

"Court Royal Overture" (Grainger).

11.10 a.m.—FRANK and FRANCES GUIZI:

"Duet 'Am I Ea De'"

"Si-Si-Ga-Ukulele," "Hawaiian Love."

Duet "Calm Hawaiian Son."

11.20 a.m.—STUDIO ORCHESTRA:

"Indian Love Lyrise" (Woolfson-Finden).

11.30 a.m.—RITA HILTON, soubrette:

"So's Your Old Lady" (Burke).

"Bridget O'Flann" (King).

11.37 a.m.—DOROTHY ROXBURGH, violin:

"Suzanne" (Lamont-Gemmill) (Gode).

11.45 a.m.—STUDIO ORCHESTRA:

"Please Post" (Giles).

11.53 a.m.—MARION LIGHTFOOT, soprano:

"String of Pearls."

"Morning."

"I Heard You Go By."

12 noon—Time Signal. Metal pieces received

by the Australian Mines and Metals Association from the London Stock Exchange this day.

British official wireless news from Rugby, Reuters and the Australian Press Association cables. "Argus" news service.

EVENING SESSION.

5.30 p.m.—Answers to Children's Letters and birthday greetings by "LITTLE MISS KOGADJERA."

5 p.m.—CRACKAJACK MOUTHORGAN ORCHESTRA: Conductor, H. Celler.

Selections for the children.

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

6.7 p.m.—MISS M. SHEPHERD has some strange things to tell the children about the pig.

6.23 p.m.—CRACKAJACK MOUTHORGAN ORCHESTRA: Popular Airs.

6.30 p.m.—ELSIE BRADSHAW: Songs at the Piano.

6.35 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. R. Borrett, Ltd. Rabbit prices.

6.55 p.m.—Fire reports.

6.58 p.m.—Market reports. Official report of Newmarket sheep sales by Live Stock Agents' Association, Oxford Chambers, Bourke Street, Melbourne. Poultry, grain, hay, straw, juice, dairy produce, potatoes and onions.

7.6 p.m.—Market reports of fruit by the Victorian Fruiturers' Association, compiled by the "Fruit World," exclusive to S.L.O.

NIGHT SESSION.

Announcer ALFRED ANDREW
Accompanist AGNES FORTUNE

7.16 p.m.—MR. CHARLES NUTTALL: "Something for Nothing."

7.30 p.m.—MR. E. E. PESCHOTT: "Australian Lobelia, Trigloca Plants and their Friends."

7.45 p.m.—DR. J. A. LEACH: "Psychology of the Skin."

8 p.m.—STUDIO ORCHESTRA: Overture, "Pied and Fountain" (Sparks).

8.10 p.m.—ISABEL BIDDLE, contralto: "Comment of life" (Bantock).

"Drink to Me Only" (Arr. by Quiller).

8.17 p.m.—MARION LIGHTFOOT, banjo: Popular Airs.

8.24 p.m.—STUDIO ORCHESTRA: "Nais Capricio" (Rubinstein).

8.30 p.m.—FRANCIS and FRANCES LUIZ: "Tell Me, Little Gypsy." Steel Guitar and Ukulele. "Hawaiian Waits Medley."

Duet, "Drifting and Dreaming."

8.40 p.m.—ONE ACT PLAY.

9.10 p.m.—STUDIO ORCHESTRA: Selection, "The Bat" (Strauss).

9.25 p.m.—ISABEL BIDDLE, contralto: "In Autumn" (Frans).

"The Sunbeam" (Brabine).

9.30 p.m.—RICHARD CHUGG, flute: "By the River," "Nocturne."

9.40 p.m.—STUDIO ORCHESTRA: "Lucia de Lammermoor" (Donizetti).

9.50 p.m.—PREMIER FOUR: "Sometime."

"That's Why I Love You" (Donaldson).

10 p.m.—MADAME LAMBERT, soprano: Selected.

10.15 p.m.—STUDIO ORCHESTRA: "Montmartre"—Romance and Prelude to Act 3 (Ondine).

10.25 p.m.—MADAME LAMBERT, soprano: "Operatic Selection."

10.32 p.m.—MARION LIGHTFOOT, banjo selections.

10.38 p.m.—British official wireless news from Rugby. Late sporting results. THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS FOR MOTORISTS: "The man who will not listen to safety rules may have to listen to an ambulance song."

10.46 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:

"Story Little Thing" (Spencer).

"You've Got to Black Shuffle" (Sparks).

"There Ain't No Mayin' in My Baby's Eyes" (Kahn).

11 p.m.—OUR GREAT THOUGHT: "Goodness is beauty in its best estate."—Melville.

11.15 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.

11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Saturday.

EVENING SESSION. BAND AND CAMP FIRE.

7.30 p.m.—Market reports. Notices. To-day's sporting results.

8 p.m.—G.P.O. clock says, "Eight."

8.1 p.m.—Evans' Harmony Orchestra: March, "Labor Day" (Zamenoff).

Selection, "On with the Show" (Nicholls).

Waltz, "Girl of Yesterday" (Lawrence).

Fox Trot, "I'm going to plant a rose" (Sparks).

8.18 p.m.—Mr. Ronald Nelson, Australian comedian:

"Mary Flynn" (Leonard Nelson).

"Kind Appiaus" (Leonard Nelson).

8.25 p.m.—Evans' Harmony Orchestra: Characteristic, "Tatters" (Cohen).

Two step, "Rube Step" (Cross).

8.31 p.m.—Round the Camp Fire: Narrator, Mr. V. Upton-Brown. Music, song and story, by the writers and poets of Australia.

9 p.m.—Evans' Harmony Orchestra:

Selection, "The Gipsy Princess" (Kaiman).

9.10 p.m.—Miss E. Holday, violin: "Serenata" (Toselli).

"Sovieten" (Drida).

9.11 p.m.—Evans' Harmony Orchestra: Novelty Dance, "Danse Moderne" (Leigh).

Fox Trot, "Almond Eyes" (Cobb).

9.23 p.m.—Evans' Harmony Orchestra: Waltz, "Southern Rose" (Strauss).

"A Jazzy Serenade" (Deppen).

9.30 p.m.—Mrs. Gilmore, cello:

"Picnic" (Squire).

"Hours" (Handel).

9.43 p.m.—Evans' Harmony Orchestra: Intermezzo, "The Birdland" (Zamenoff).

9.52 p.m.—Mr. Ronald Nelson, Australian comedian:

"Come to the races" (Bennett Scott).

"Keep your eye on me" (John Neat).

10 p.m.—G.P.O. clock says, "Ten."

10.15 p.m.—Evans' Harmony Orchestra:

Overture, "A Midsummer Dream" (Schlegel-rolfe).

10.8 p.m.—The "Age" news bulletin.

10.12 p.m.—Dance Hour, Leggett's Ballroom Orchestra (direction, Mr. Harry Nangie).

10.55 p.m.—Tomorrow's announcements.

11 p.m.—S.P.O. clock says, "Eleven."

God Save the King.

4QG, BRISBANE

Saturday.

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

3.30 p.m.—A matinee for little listeners by Miss Waratah.

4.30 p.m.—Close down.

EARLY EVENING SESSION.

6.30 p.m.—Bedtime stories by Uncle Ben.

7.15 p.m.—Racing results.

7.20 p.m.—To-day's football play described.

7.30 p.m.—Sailing notes by Mr. F. Smith.

7.45 p.m.—Lectures: "Diggers" French, "by Comte de Tournoux."

NIGHT SESSION.

SILKSTONE APOLLO CLUB.

To-night's programme will be provided by the Silkstone Apollo Club (conductor, Mr. T. Westwood).

Male chorus, "To the Death" (Wheeler), Silkstone Apollo Club; bass solo, selected, Mr. Vic Morris; male chorus, "The Ash Grove" (Branscombe), the Silkstone Apollo Club; solo and chorus, "I'll Take You Home," "Single Handed," "The Man with the Single Gun," Mr. P. O'Brien; male chorus, "The Beliegured" (Sullivan), Silkstone Apollo Club; song, "Beneath Thy Window," Mr. A. Wilcox; male quartette,

selected. Quartette Party: male chorus, "Evening" (Sullivan), Silkstone Apollo Club; duet, selected, Messrs. Westwood and Morris; song, "Lacklum, My Lady" (Crompton), Mr. A. E. Little; chorus, "John Peel" (Fletcher), Silkstone Apollo Club; piano forte solo, Miss Mendelsohn; "Song Remained Untold" (Tanner) Miss Marion; chorus, "An Evening's Pasture" (Wilford Shaw), Silkstone Apollo Club; song, "When You Look in the Heart of a Rose" (Metzner), Mr. A. Elliott; chorus, "Honey, I Wants You Now" (Colin Coel), Silkstone Apollo Club; song, "Death of Nelson," Mr. T. Westwood; chorus, "The Destruction of Goliath" (de Rille), Silkstone Apollo Club.

UNIVERSITY MUSICAL SOCIETY, Portion by the University Musical Society (conductor, Mr. R. Davies Scarlett, Miss B.), will be relayed from the main hall at the University.

9.15 p.m.—FROM THE UNIVERSITY: "THE PEASANT CANTATA" (J. S. Bach, 1729-1730).

Soprano, Miss K. I. Andrews; bass, Mr. Jas. Hunter; leader of Orchestra, Mr. M. Hunter.

This work was specially composed in honour of C. H. von Dobschau on his installation as Lord of the Manor of Kleinheubach in Saxony, and was performed on August 30th, 1742. In this work Bach sets himself out to write a string of merry movements as far removed from the serious strain of his style as can possibly be imagined. The plot concerns the villagers come to congratulate the Lord of the Manor and offer him good wishes, after which they return to drink free beer in the Tavern. The text was compiled by Picander, a poet who supplies Bach with many of his libretti, and offers much scope for the introduction of folk dances and jests.

No less than seven folk tunes are used in the overture, and practically all the solo and choralf numbers are similarly based. The themes of No. 16 and 18 are still known in Germany, 16 as a peasant or student song, and 18 as a lullaby. A full song in two disjointed portions is introduced by the orchestra into the first recitative. The bass solo, No. 20, originally appeared in the cantata, "Theobaldus Parvulus."

The U.C.M.S. is the only choral body in Queensland to perform this work up to the present date.

1. Overture.
2. Chorus.
3. Recit.—S. and B.
4. Chorus.
5. Recit.—base.
6. Air—base.
7. Recital—soprano.
8. Recit.—base.
9. Chorus.
10. Recit.—base.
11. Air—base.
12. Air—base.
13. Recit.—soprano.
14. Air—soprano.
15. Recit.—base.
16. Chorus.
17. Recit.
18. Chorus.
19. Recit.—base.
20. Air—base.
21. Recit.—S. and B.
22. Chorus.
23. Recit.—S. and B.
24. Chorus.
25. Chorus.
26. Recit.—base.
27. Air—base.
28. Recit.—soprano.
29. Air—soprano.
30. Recit.—base.
31. Chorus.
32. Recit.—S. and B.
33. Chorus.
34. Recit.—S. and B.
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The G. & R. Receiver

*Faultless Servant of
Radio's Invisible Audience*



Single Dial Control
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The G. & R. One Control Five
Valve Receiver is a masterpiece
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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.

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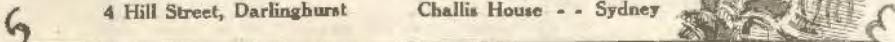
The cabinet, as shown above, is a masterpiece, size 26 x 16 x 11 inches, with a walnut finish. It has two compartments, one on each side, for the A and B batteries. The set is guaranteed to bring in all interstate stations; the illuminated drum control is particularly advantageous for indicating stations 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 5 G. & R. Valves, no other
Accessories £20/-
Price, with Accessories complete, £25/-

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LIMITED,

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AFTERNOON SESSION.

- 1.30 p.m.—Results of Sporting.
Studio music.
2 p.m.—Description of South Adelaide versus North Adelaide League Football Match from the Adelaide Oval.
(Approx.) 4 p.m.—Description of Sturt versus West Torrens League Football Match, from Unley Oval.
Results of Eudunda Races and Victorian Racing Events will be broadcast during the afternoon.
(Approx.) 8.15 p.m.—Final Scores of all League Football Matches.

EVENING SESSION.

- 8 p.m.—Chimes.
6.1 p.m.—Covent Garden Dinner Music.
6.45 p.m.—Children's Sims.
7.30 p.m.—Market Reports.
8 p.m.—Exchange Intelligence.
Royal Gazette Report.
Automobile Association Bulletin.
8 p.m.—Chimes.
8.1 p.m.—Special request, Dance Programme by the Mason Dance Band, assisted by the following artists:
Allen Newlyn, soprano.
Bertram Collier, contralto.
Gerald Healy, tenor.
Matty Skinner, baritone.
Sylvia Thomas, pianiste.
8 p.m.—Official weather bulletin.
Dalgarny's wheat report.
8.3 p.m.—Relay from Glenelg: Malaya Dance Band.
10.59 p.m.—Weather bulletin.
11 p.m.—Chimes.
Station announcements.
National Anthem.

7ZL, HOBART

Saturday.

MORNING SESSION.

- 8.1 a.m.—G.P.O. Clock Chimes.
11.1 a.m.—Tune in selection.
11.5 a.m.—British official wireless news.
11.10 a.m.—"Mercury" news service.
11.20 a.m.—Shipping information.
11.30 a.m.—Local news.
11.40 a.m.—Mail notices.
Commercial news.
Foreign exchange market.
Housewife's guide.
11.45 a.m.—Hobart Stock Exchange quotations.
11.55 a.m.—Sporting anticipations.
11.55 a.m.—Tasmanian station 9 a.m. weather report.
12 noon—G.P.O. Clock Chimes.
Close down.

AFTERNOON SESSION.

- 2 p.m.—G.P.O. Clock Chimes.
2.15 p.m.—From the North Hobart Grounds: A full description of the New Town-North Hobart League Football Match broadcast by "Snowy" Marsh.
Close down.

EARLY EVENING SESSION.

- 6.30-7.20 p.m.—"Uncle Hector" talks to the children.
7 p.m.—"Dad Brother" chats to his folks.

NIGHT SESSION.

- 7.30 p.m.—Musical collection.
7.35 p.m.—Talk by Mr. G. J. Shannon: Subject, "The Future Developments of Tasmania."
7.50 p.m.—"Mercury" special Tasmanian news service.
7.55 p.m.—Railway Auction Produce Sales.
Hobart Stock Exchange quotations.
Weather information.
Sporting results.
8 p.m.—G.P.O. Clock Chimes.
8.1-8.50 p.m.—Broadcast by direct wire from the Imperial Hotel, Hobart, dance numbers by Mrs. Sheppard's Trio, interspersed with Musical items from the Studio.
10.30 p.m.—British official wireless news.
Weather synopses.
Station announcements.
Close down.

Sunday, July 17
2FC, SYDNEY

Studio Announcement, LAURENCE HALBERT
10.55 a.m.—Programme announcements.

- 11 a.m.—"Big Ben."
FROM ST. ANDREW'S CATHEDRAL,
George Street, Sydney:
The Morning Service, conducted by the Rev.
Dr. Talbot.

12.15 p.m.—FROM THE STUDIO:

New session.
12.30 p.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—"Big Ben" and programme announcements.
3 p.m.—Studio music.
3.15 p.m.—"A Jaunt about Marseilles" as told by Mr. R. H. Bowden.
3.30 p.m.—THE BRITISH MUNICIPAL BAND, conducted by Mr. J. French:
5 p.m.—Close down.

EVENING SESSION.

- 6 p.m.—"Big Ben" and programme announcements.
6.5 p.m.—EVA WEBB-JONES, soprano:
"Butterfly Wings" (Philips).
6.50 p.m.—A Classical Recital for Violin and Piano, arranged by Madame Evelyn Grieg:
(a) "Allegro Movement" from the "Elgar Sonatina".

At the piano, Madame Evelyn Grieg.
Violinist, Henri Stael.

- (b) "Andante Movement" from the "Elgar Sonatina" for violin and piano forte.

6.55 p.m.—EVA WEBB-JONES, soprano:
"I Will Meet Up Mine Eyes" (Evile).

6.58 p.m.—MADAME EVELYN GRIEG, piano forte solo:

- (a) "Impromptu No. 2, in A Flat" (Schubert).

(b) "Valse Op. 64, No. 2" (Chopin).

6.58 p.m.—EVA WEBB-JONES, soprano:
"As Dawnings" (Cadmian).

6.49 p.m.—HENRI STAEL, violin solo:
"Barcarolle" (Schubert).

6.50 p.m.—FROM THE LYCEUM HALL, PITTS STREET, SYDNEY:

Organ Solo by CONSTANCE RARDSLEY.

- 7 p.m.—THE EVENING SERVICE FROM THE LYCEUM HALL, arranged by the CENTRAL METHODIST MISSION and conducted by the REV. H. G. FOREMAN.

8.00 p.m.—THE BRITISH MUNICIPAL BAND, conducted by Mr. J. French.

- 9.00 p.m.—FROM THE STUDIO: The first broadcast performance of A LECTURE READING by MADAME EMILY MARKS on the poem "MAUD" by Tennyson. Illustrated by a Song Cycle with the same title, by Arthur Sumsell.
Musical Numbers:
(a) "I wrote the Dreadful hollow behind the Woods."

MR. WILFRID THOMAS, basso.

- (b) "A Voice by the Cedar Tree,"

MR. WILFRID THOMAS, basso.

- (c) "She came to the Village Church,"

"O, let the Solid Ground,"

"Birds in the high Hall-garden,"

MR. FRED HAZMAN, baritone.

(d) "Go, go, go, go,"

- MADAME EMILY MARKS, soprano.

(e) "I have led her Home,"

"Come into the Garden, Maids,"

"The Fault was Mine,"

"O, that 'were possible!"

MR. DONALD MACK, baritone.

- (f) "Dead, long Dead,"

MR. WILFRID THOMAS, basso.

- (g) "My life has crept so long on a broken wing,"

MR. DONALD MACK, baritone.

At the Piano ... MISS ENID HYNES.

10.15 p.m.—National Anthem.

Close down.

2BL, SYDNEY

Sunday,

10.45 a.m.—Special News Service.

11.0 a.m.—Service Broadcast from Newtown Congregational Church.

11.30 a.m.—Music Concert.

Friday, 16th July, 1927.

EVENING SESSION.

- 8.45 p.m.—Bible Class, conducted by Mr. W. "Calvo" Bradley.
8.50 p.m.—G.P.O. Clock and Chimes; Close Down.

EVENING SESSION.

- 8.45 p.m.—Chimes service.
8.50 p.m.—Service Broadcast from Newtown Congregational Church.
8.50 p.m.—From the Studio: Miss Bertha Waters (Soprano).
8.57 p.m.—Mr. Stanley R. Catlett (Tenor).
8.58 p.m.—Broadcasters' Trio.
8.59 p.m.—Report of Following Day's Programmes, Weather Report and Forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.
9.00 p.m.—G.P.O. Clock and Chimes.
9.1 p.m.—Mr. Warwick McKenzie (Violin).
9.8 p.m.—Mr. Herbert Hincliffe (Baritone).
9.15 p.m.—Broadcasters' Trio.
9.20 p.m.—Miss Bertha Waters.
9.25 p.m.—Mr. Herbert Hincliffe.
9.30 p.m.—Miss Bertha Waters.
9.37 p.m.—Mr. Warwick McKenzie.
9.41 p.m.—Mr. Stanley R. Catlett.
9.51 p.m.—Mr. Herbert C. Hincliffe.
9.58 p.m.—Broadcasters' Trio.
10.1 p.m.—National Anthem.

2GB, SYDNEY

Sunday.

MORNING SESSION.

- 10.20 p.m.—Organ Chimes from St. Alban's Liberal Catholic Church.
10.45 p.m.—Morning Service from St. Alban's Liberal Catholic Church: Celebration of the Most Holy Eucharist; Sermon, 12 noon.—Close down.

EVENING SESSION.

- 5.45 p.m.—Music from Studio.
7 p.m.—Lecture from Edgar Hall: Professor Ernest Wood.
8 p.m.—From the Studio: Vocal Recital by students from the Clement Hosking School.
8.10 p.m.—Talk, Mr. A. E. Bennett.
10 p.m.—Close down.

3LO, MELBOURNE

Sunday.

MORNING SESSION.

- 10.20 a.m.—Bells from St. Paul's Cathedral.
10.45 a.m.—Express Train information.
British Official Wireless news from Rugby.
11 a.m.—SERVICE FROM THE BAPTIST CHURCH, Collins-street, Melbourne.
Preacher: REV. W. D. JACKSON, B.A.
Call to Worship.
Lord's Prayer.
Hymn, "Let Us with a Glad and Joyous Mind." Scripture.

Solo, "The Song the Angels Sing," (Evile). Children's Talk.

Hymn, "Jesus When He Left the Sky." Notices.

Offertory.

Offertory Prayer.
Anthem, "O Saviour, Loving Friend" (as to Bishop's Largo).

Prayer.
Hymn, "Lord of All Being." Sermon, "IS RELIGION AN ILLUSION?" Hymn, "O Love of God."

Benediction.
10.15 p.m.—Close down.

AFTERNOON SESSION.

- 2.15 p.m.—RICHMOND CITY BAND: March, "Viscount Nelson" (Zehle). Fanfare, "Cumberland" (Bridget). Hymn, "When I Survey the Temple" (Clarke). Hymn, "Oh, It's Women" (Douglas). Selection, "Our Little Soldiers" (Round). Hymn, "Shout in the Wilderness" (Walsh). Valve, "Pekoe of the Dauphin" (Strauss). March, "The New Colonial" (Hall).

- 2 p.m.—PLEASANT SUNDAY AFTERNOON CENTRAL WESLEYAN MISSION. Chairman, REV. C. IRVING BENSON. Orchestral Selection, Mr. G. M. Willigee. Conductor.

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In Sydney, where confusion reigns in the air and station overlaps station on the tuning dial of the ordinary receiver, the RADIOKES-SOLODYNE cuts through the barage of locals and brings in distance without any trace of "cross talk"—Way back in the country where reliable daylight reception is demanded, RADIOKES-SOLODYNE receives the midday market reports and intelligence, with a certainty, volume and tone quality unbelievable—This meets modern broadcast conditions and meet them CONCLUSIVELY.

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Refer back, and you will find that all this season's most popular construction Receivers specify RADIOKES and AMPERITE—WHY?

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Radiokes Newest R.F. and Filter Chokes have greatly improved characteristics; more inductance, lower self capacity, lower D.C. resistance, and better mechanically. Miles ahead of any competitor, 8/6 each



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The Self-adjusting Rheostat that automatically controls tube current, eliminates hand rheostats, filament metres, guessing and tube worry. Simplifies wiring. Increases compactness. Doubles tube life. Makes every operator an expert. Tested and approved by all leading laboratories. Used by more than 50 foremost set manufacturers. Be sure the set you build or buy has Amperite. Price 7/6 each

From all High-Class Dealers, or
Metropolitan Electric Co. Ltd.
27-29 King Street, SYDNEY

Hymn, "O, Worship the King all Glorious
Amen."

Prayer.

Hymn, "Jesus, Lover of My Soul,"
Duet, Massrs. W. and R. Boscombe, "God
is Our Refuge" (Rutland).

Orchestral Selection.

Duet, Massrs. W. and R. Boscombe, "The
Living God."

National Anthem.

Offering.

Orchestral selection.

ADDRESS: REV. JAMES BARR, M.P.
(Motherwell, Glasgow).

National Anthem.

Benediction.

4.30 p.m.—Close down.

EVENING SESSION.

4.30 p.m.—HYMNS BY "THE PIED PIPERS"
"Jesus, Tender Shepherd."

"O, Lord of All!"

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

The Royal Automobile Club of Victoria's
Safety Message for to-day is for EVERY-
BODY.

"Carelessness is the mother of catastro-
phe, is an express train to injury, is the
short cut to the grave."

6 p.m.—Musical programme by "THE PIED
PIPER'S".

Quartette, "God is a Spirit."

Chorus, "Calm is the Sea."

Solo, "The Cockoo Clock" (by request).

Chorus, "Holy Night."

Duet, "God is Love" (by request).

Chorus, "Angels that Around Us Hover."

Good-night song, "Baboo, My Bonny Baby."

4.25 p.m.—"BILLY BUNNY":

"Life of Gordon."

4.45 p.m.—Bells of St. Paul's Cathedral.

NIGHT SESSION.

7 p.m.—SERVICE FROM THE WELSH
CHURCH—Londons-street, Melbourne. Con-
ducted by REV. DR. D. EGFRYN JONES,

Voluntary, Nocturne (Chopin).

Hymn 125, Tune, "Diadem."

Reading.

Part Song, "The Crusaders" by The Gwalia
(male voice) Party.

Hymn 211, Tune, "Abergele."

Prayer.

Announcements and Offertory.

Offertory Hymn, "Iabel."

Hymn 419, Tune, "Caerwys."

SERMON: REV. DR. EGFRYN JONES.

Part Song, "In the Sweet By and Bye," by
The Gwalia (male voice) Party.

Hymn 74, Tune, "Aberystwyth."

Reading.

FROM THE STUDIO—

8.30 p.m.—Shipping Notices.

8.41 p.m.—MALVERN TRAMWAYS BAND:

March, "Waldbauer" (by request), (Loewy),

8.40 p.m.—STANLEY BAINS, flute:

"The Nightingale" (Doubon).

8.45 p.m.—Soprano (Saint-Saens).

"Allegretto" (Geddrill).

8.50 p.m.—WESLEY CHURCH, two unaccom-
panied anthems:

(a) "Come, O Thou Traveller" (Noble).

(b) "Glaesde Light" (Sullivan).

8.57 p.m.—MALVERN TRAMWAYS BAND:

Overture, "Light Cavalry" (Suppe).

8.47 p.m.—Ashley Judd, Harp concert, in selec-
tions from his repertoire.

8.23 p.m.—STANLEY BAINS, flute:

"Carnival of Venice" (Brickladi).

Piccole, "Deep Blue Sea" (Brower).

8.29 p.m.—EILEEN STARE, soprano:

Aria, "The Brilliant Bird," from "Pearl
of Africa" (Hindorf).

8.45 p.m.—MALVERN TRAMWAYS BAND:

Selection, "Webern's Works" (Rutland).

9.41 p.m.—"Argus" news service. Announce-
ments.

The Royal Automobile Club of Victoria's
Safety Message for to-day is for EVERY-
BODY.

"Carelessness is the mother of catastro-
phe, is an express train to injury, is the
short cut to the grave."

9.50 p.m.—MALVERN TRAMWAYS BAND—
"Bustie Holiday" (Brammer).

8.50 p.m.—OUR GREAT THOUGHT:

"Live for something. Do Good, and leave
behind you a monument of virtue, that the
storm of time, can never destroy. Write
your name, in kindness, love and mercy, on
the hearts of thousands you come in contact
with year by year; you will never be
forgotten."—Chalmers.

10 p.m.—Close down.

3AR, MELBOURNE

Sunday.

EVENING SESSION.

7 p.m.—Service from the CAIRNS MEMORIAL
CHURCH, East Melbourne. Preacher: Rev.
J. H. Webb, B.A., B.D.

Studio Master: Mr. V. Upton-Brown.
Personal Accompaniment: Miss Ada Freeman.
Conductor: Miss Gladys MacDowell.

8.30 p.m.—Miss Ada Freeman, piano:
"Water Lily" (MacDowell),
"Hexenlantz" (MacDowell).

8.35 p.m.—Miss Gwen Selva, soprano:
"Lilac" (Rachmaninoff),
"Nymphe et Sylvain" (Bergmér).

8.45 p.m.—Madame Bell Whitley, Violin:
"Paganini" (Tchaikovsky),
"Gipsy Dance" (Col Taylor).

8.50 p.m.—Miss Gladys MacDowell, contralto:
"Les Lazarus" (Massenet).

"Si Je Devrai Avoir des Reves" (Massenet),
8.57 p.m.—Miss Ada Freeman and Madame
Bell Whitley:

Duet for Piano and Violin:
"Third movement of Sonata in A Major"
(Franck).

9.17 p.m.—Miss Gwen Selva and Miss Gladys
MacDowell:

Duet, "I Would That My Love" (Mendelssohn).

9.22 p.m.—Miss Ada Freeman, piano:
"La Diane" (Debussy),
"Requiescat" (Debussy).

9.29 p.m.—Miss Gwen Selva, soprano:
"Shepherd Is thy Demon" (Cary),
"My Lovely Celia" (Old English).

9.36 p.m.—Madame Bell Whitley, violin:
"Allegretto" (Bochner-Kreisler),
"Andantino" (Marini-Kreisler).

9.42 p.m.—Miss Ada Freeman, piano:
"The Faun" (Tchaikovsky),
"When the Rose Blooms" (Heidegger).

9.49 p.m.—Miss Gladys MacDowell and Miss
Gwen Selva:

Duet, "Passage Nuits" (Farswell)
(Mendelssohn).

"Greetings" (Mendelssohn),
9.55 p.m.—"The Age" news bulletin.

10 p.m.—G.P.O. Clock says "Ten."
God Save Our King.

4QG, BRISBANE.

Sunday.

MORNING SESSION.

WHARF STREET CONGREGATIONAL CHURCH.

The complete Morning Service will be
re relayed from Wharf Street Congregational
Church.

FROM THE WHARF ST. CONGREGA- TIONAL CHURCH:

8.30 a.m.—Divine Service and Lord's
Prayer; hymn 61, "When All Thy Mercies";
Scripture; Chants; address to children;
hymn for children (747); "Jesus from Thy
Throne on High"; notices and offering; an-
them, "The King of Love" (Shelley);

8.45 a.m.—Sermon by Rev. Percival Watson,
B.A.; hymn 246, "The Lord Be With You";
Benediction; Postlude. Close down.

AFTERNOON SESSION.

The Concert by the Brisbane Excelsior
Band will be relayed from the Botanic Gar-
dens.

FROM THE BOTANIC GARDENS:

1.15 p.m.—Band Concert.

4.30 p.m.—Close down.

NIGHT SESSION.

WHARF STREET CONGREGATIONAL
CHURCH.

The complete Evening Service will be re-
layed from the Wharf Street Congregational
Church.

FROM WHARF ST. CONGREGATIONAL CHURCH:

7 p.m.—Selections by Church Orchestra (con-
ductor, Mr. Arch. H. West, L.M.U.); Over-
ture, "Gloria" (Weitz); "Melodie D'Amour" (Engelmann), "Serenade" (Schu-
mann); tenor solo, (Mr. Trezise); children's
bedtime stories.

7.30 p.m.—Hymn 74, "Now the Day is Over";
Lord's Prayer; "The Day is Gone" (Loeb), Miss Dorrie Yarrow
and Mr. W. Stalker; Scripture; violin solo,
"Shimmer Song" (Haydn-Wood); Miss Cecilia
Pritchard; anthem, "The Day is Past and
Over" (Mark); notices and offering; orches-
tra; "Minuet in G" (Beethoven); prayer; hymn 682, "Tell Me the Old, Old
Story"; sermon by Rev. Percival Watson.

8.15 p.m.—Hymn 55, "Saviour Again to Thy
Dear Name"; Selections; orchestral, Post-
lude.

BAND CONCERT.

At the conclusion of the Church Services
the Concert by the Brisbane Municipal Con-
cert Band will be relayed from Wickham
Park. The programme will include: "Over-
ture, "Spartacus" (Rossini); Selection
from "Lohengrin" (Verdi); "Italian
Folk Song" (Clark).

8.30 p.m.—Close down.

5CL, ADELAIDE.

Sunday.

MORNING SESSION.

11 a.m.—Divine Service relayed from Black
Forest Baptist Church. Preacher: Rev. Keith
Steward.

AFTERNOON SESSION.

3 p.m. to 4.30 p.m.—Relay the Jubilee Services
of Goodwood Baptist Church: Rev. J. G.
Shattock, address.

EVENING SESSION.

6.30 p.m.—Sunday Story for the children by
Uncle Radio.

7 p.m.—Divine Service relayed from St. Bar-
tholomew's Church. Preacher: Archdeacon
Moyle M.A.

(Approx.) 8.10 p.m.—Relay from Glenelg,
Martin Kett and his Mason Orchestra.

8.15 p.m.—Sharon, Madame Eliza
Sugden—World famous soprano.

8.45 p.m.—Relay Martin Kett and his Mason
Orchestra.

9.1 p.m.—Weather report.

9.2 p.m.—Relay Martin Kett and his Mason
Orchestra.

10 p.m.—Station announcements.
National Anthem.

7ZL, HOBART

Sunday.

MORNING SESSION.

11 a.m.—Church Service from St. David's
Cathedral Hobart.

CHURCH OF THE DEEP, DOWN.

Hymn 528, 559, 311, 280.

Local Express information at conclusion of
Church Service.

12.15 p.m.—Close down.

AFTERNOON SESSION.

2.30 p.m.—Tune in selection.

3.41 p.m.—Pleasant Sunday Afternoon Concert
from the Studio.

4.30 p.m.—Close down.

EARLY EVENING SESSION.

6.30 p.m.—"Big Brother" chabot to his Pals.

NIGHT SESSION.

7 p.m.—Service from Methodist Church, Mel-
ville Street.

Psiuchi, Rev. E. B. Boyd.

8.30 p.m.—Concert from the Studio:

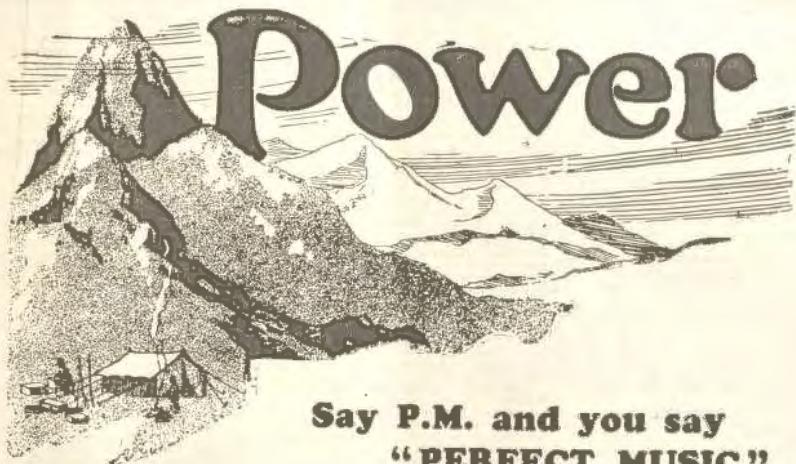
Mr. Jack Green (soprano), Mr. Lyell Mil-
ler (violinist), Mr. Roy Suliffe (cello solo),
Miss Ruby Piece (pianist), Miss Mary Page (electroinist).

9.40 p.m.—"Memory" news service.

Weather forecast.

Station announcements.

Close down.



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Monday, July 18

2FC, SYDNEY

EARLY MORNING SESSION.

Announcer ... LAURENCE HALBERT.
 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.
 7.20 a.m.—Stock market, mining share markets, metal quotations.
 7.35 a.m.—Wool sales, breadfruit markets, interstate markets, produce markets.
 7.45 a.m.—"Sydney Morning Herald" summary.
 8 a.m.—"Big Ben" Close down.

MORNING SESSION.

Announcer ... LAURENCE HALBERT.
 10 a.m.—"Big Ben" and announcements.
 10.5 a.m.—Studio music.
 10.15 a.m.—"Sydney Morning Herald" news service.
 10.30 a.m.—Studio music.
 10.35 a.m.—Last minute racing information by the 2FC Commissaries.
 10.45 a.m.—Studio music.
 11 a.m.—"Big Ben".
 Marching music for school children.
 11.15 a.m.—A.P.A. and Reuters' Cables.
 11.35 a.m.—A Reading.
 11.45 a.m.—Close down.

MIDDAY SESSION.

Announcer ... LAURENCE HALBERT.
 Accompanist ... EWAERT CHAPPLK.
 12 noon—"Big Ben" and announcements.
 12.20 p.m.—Stock Exchange, first call.
 12.30 p.m.—Official weather forecast, rainfall.
 12.35 p.m.—Studio music.
 12.40 p.m.—Summary of "Sydney Morning Herald" news service.
 12.50 p.m.—Hugely wireless news.
 Studio music.
 12.30 p.m.—Marching music for school children.

12.40 p.m.—NELLIE JUDGES, mezzo-soprano: "Falling in Love with You" (Meyer).
 12.45 p.m.—Studio music.
 1 p.m.—"Big Ben". Weather intelligence.

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

1.15 p.m.—FROM THE SYDNEY WOMEN'S HALL (by special arrangement with the City Council): The second of a series of Midday Organ Recitals by THE CITY ORGANIST, ERNEST TRUMAN.
 1.20 p.m.—FROM THE STUDIO:
 Stock Exchange, second call.

1.25 p.m.—NELLIE JUDGES, mezzo-soprano: "The Nict-mendous (orker)."
 1.30 p.m.—Studio music.
 2 p.m.—"Big Ben" Close down.

AFTERNOON SESSION.

Announcer ... LAURENCE HALBERT.
 Accompanist ... EWAERT CHAPPLK.
 3 p.m.—"Big Ben" and announcements.

3.45 p.m.—Studio items.
 3.45 p.m.—A Reading.
 3.50 p.m.—Marching music for school children.
 3.55 p.m.—JOYCE GILLESPIE, soprano (from Farmer's Tea Rooms):
 "Lovelorn Girl (Gershwin)."

3.45 p.m.—A talk by Miss Marion Chapman.
 4 p.m.—WILL BOWYER, baritone (from Farmer's Tea Rooms):
 "Sea way" (Sanderson).

4.5 p.m.—FOSSIE BRAKELL, contralto: "Four by the Clock" (Mallinson).
 4.55 p.m.—Studio music.

4.15 p.m.—ANNIE SEDGER, mezzo: "I'm a Little Bit Blue".
 4.20 p.m.—JOYCE GILLESPIE, soprano (from Farmer's Tea Rooms):
 "A Heap of Roseleaves" (Wiley).
 4.25 p.m.—Studio music.
 4.40 p.m.—WILL BOWYER, baritone (from Farmer's Tea Rooms):
 "The I Walk" (Finden).

4.45 p.m.—Stock Exchange, third call.
 4.47 p.m.—FOSSIE BRAKELL, contralto: "Swing low sweet chariot" (Spiritual).
 4.50 p.m.—Studio music.
 4.54 p.m.—ANNIE SEDGER, mezzo: "Bird Songs at Eventide" (Coates).
 4.56 p.m.—"Big Ben" Close down.

EARLY EVENING SESSION.

Announcer A. S. COCHRANE.
 5.45 p.m.—The Chimes of 2FC.
 5.50 p.m.—The "Hello Men" 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.
 7.10 p.m.—Delgaty's Market Reports (wheat, wheat and stock).
 7.18 p.m.—Fruit and vegetable markets.
 7.20 p.m.—Shipping and weather intelligence.
 7.26 p.m.—"Evening News" late news service.

NIGHT SESSION.

Announcer A. S. COCHRANE.
 Accompanist ROBERT CHAPPLK.
 7.30 p.m.—Programme announcements.
 7.40 p.m.—A series of Musical Lectures by MADAM RETTA VINCENT, Flautist.
 Subject: "Beethoven." No. 1.

8 p.m.—FROM THE MOEMAN TOWN HALL: Lionel Meekins and Howard Talbot's Famous Musical Play "THE ARCADIANS," produced by the Moeman Musical Society ACT ONE (by arrangement with J. C. Williamson).

Musical numbers:
 Introduction and Opening Chorus, "Argadians are We."
 Quartette, "The Joy of Life." Violet Rogers, D. Fletcher and Head Teacher, Pauker.
 Chorus of Fear, "Look what you've done there." Song, "The Pipes of Pan" Violet Rogers.
 Chorus, "All a lie, All a lie!" The Company.
 Final, "To all and each where sin is rife," The Company.

8.50 p.m.—FROM THE STUDIO:
 "Mike" makes a few remarks.

8.55 p.m.—VIRGINIA BASSETTI, contralto: (a) "John Wanamaker" (Schubert).
 (b) "The Captain" (Lam).
 9.25 p.m.—The Musing of "Mike."

9.30 p.m.—WIN and WINDLE, entertainers: "Now we can both laugh together," humorous song.
 "Tremble," Monologue.

9.40 p.m.—VIRGINIA BASSETTI, contralto: (a) "John Wanamaker" (Schubert).
 (b) "The Captain" (Lam).

9.45 p.m.—The Musings of "Mike," 9.30 p.m.—WIN and WINDLE, English entertainers:

Humorous duet, "We Want to be Popular," 9.37 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA:
 Conductor, Mr. Frederick Leighton.

9.40 p.m.—RAYMOND ELLIS, baritone: Extracts from Comic Opera and Popular Songs.

10.15 p.m.—WIN and WINDLE, entertainers: "Poor John," Episode No. 2.

10.15 p.m.—VIRGINIA BASSETTI, contralto: (a) "Puccini" (Fogli).
 (b) "A Song of Gladness" (Dvorak).

10.20 p.m.—FROM THE MOEMAN TOWN HALL:
 The Third and Final Act of "THE ARCADIANS," produced by the Moeman Musical Society.

Musical numbers:
 Chorus, "Plant your Peasies."

Song, "I like London," D. Fletcher.
 Song, "The only girl alive," Richard Parry.
 Song and chorus, "Bring me a Rose."

Song and chorus, "All down Piccadilly," G. Liddell.

Trio, "Truth is so Beautiful," Messrs. C. Liddell, Parry and Parry.

Song, "My Mother," P. Henagan.
 Solo, "Night in my Heart," Violet Rogers.

Pirouette, The Company.

10.45 p.m.—Late news and announcements from the studio.

10.50 p.m.—"Big Ben."

THE WENTWORTH SYMPHONIC DANCE ORCHESTRA. Conductor, Mr. Frederick Leighton.

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.
 7.3 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.—Dairy farm produce market report.
 7.25 a.m.—Poultry market report.
 7.24 a.m.—News service.
 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.—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.
 Announcements.

11.3 a.m.—Musical programme from the Studio.

11.15 a.m.—Talk on "Golf" by Miss Gwen Varley, Broadcasters' women's sports authority.

Social notes. Replies to correspondents by Mr. Martin. Talk on "Frocking for the Business Woman," by Marie Holmes.

Special ocean forecast and weather report.

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

12.15 p.m.—Information. Mails, shipping, and port directory.

12.15 p.m.—Boats in call by wireless.

12.20 p.m.—Fruit market report.

12.25 p.m.—Vegetable market report.

12.30 p.m.—London metal market report.

12.35 p.m.—Dairy and farm produce market report.

12.50 p.m.—G.P.O. clock and chimes.
 Postal market report.

12.52 p.m.—Fish market report.

12.54 p.m.—Railway market report.

12.56 p.m.—News from the "Sun."

12.45 p.m.—Hilfiter's Instrumental Quartet—Direction, Cyril Cailling.

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."

3 p.m.—G.P.O. clock and chimes.
 News from the "Sun."

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

3.30 p.m.—G.P.O. clock and chimes.

Talk on "The Great Composers."

4 p.m.—G.P.O. clock and chimes.
 Musical programme from the Studio.

4.15 p.m.—Serial Story.

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

4.45 p.m.—News from the "Sun."

4.50 p.m.—Racing results.

4.52 p.m.—Resume of night's programme.

4.54 p.m.—Announcements and What's On?

4.58 p.m.—Special ocean forecasts.

5 p.m.—G.P.O. clock and chimes.
 Close down.

EARLY EVENING SESSION.

5.15 p.m.—G.P.O. clock and chimes.

Uncle Bass and the kids.

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

SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. clock and chimes.
Australian Mercantile, Land and Finance Co.'s report.

Weather report and forecast by courtesy of Government Meteorologist.

Producers' Distributing Society's fruit and vegetable market report.

Stock Exchange reports.

Grain and fodder report ("Sun").

Dairy produce report ("Sun").

7.15 p.m.—Country news from the "Sun."

EVENING SESSION.

8 p.m.—G.P.O. clock and chimes.
Australian Tropical Chorus.

8.30 p.m.—An hour's programme, arranged by John Mansfield.

9 p.m.—G.P.O. clock and chimes.
Resume of following day's programme.

Weather report and forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.

9.15 p.m.—The Newtown Band broadcast from Industrial Hall, Newtown.

9.30 p.m.—Broadcaster's all-sport expert will talk on general sporting.

9.45 p.m.—Mr. Haagen Holzenberg, piano solo.

9.51 p.m.—Miss Babe Scott, soubrette and child impersonator.

9.55 p.m.—The Newtown Band.

10.15 p.m.—Mr. Phil Mountain, comedian.

10.25 p.m.—The Dorothy Ann Duo, two brunettes and a piano.

10.40 p.m.—Mr. Haagen Holzenberg.

10.45 p.m.—Miss Babe Scott.

10.53 p.m.—Mr. Phil Mountain.

11 p.m.—G.P.O. clock and chimes.

National Anthem.

2GB, SYDNEY

Monday.

MORNING SESSION.

9 a.m.—Music.
9.15 a.m.—"Cheerio" Talk.

9.30 a.m.—Music.
9.45 a.m.—Psychological Class.

9.45 a.m.—Music.
10.45 a.m.—Health and Diet.

10 a.m.—Close down.

AFTERNOON SESSION.

1.30 p.m.—Music.
1.45 p.m.—Talk.

1.55 p.m.—Music.
2 p.m.—Talk.

2.45 p.m.—Music.
3 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—Children's Stories.

7 p.m.—Music.
7.15 p.m.—Talk, "Listener's League."

7.30 p.m.—Music.
7.30 p.m.—Talk on behalf of Lord Mayor's Ball.

7.45 p.m.—Music.
7.55 p.m.—Talk.

7.55 p.m.—Instrumental Trios:

MONICA HORDER, MURIELLE LANG,
ADA BROOK.

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

DAN SCULLY, MONICA HORDER,
MURIELLE LANG, ADA BROOK.

8.50 p.m.—Songs by MISS ALICE DUDE:

1. "A Girl Gowned in Green" (Montague Phillips).

2. "Rose Leaves" (Montague Phillips).

9 p.m.—Talk by Mr. J. E. Powell.

9.15 p.m.—Piano Solos by ADA BROOK.

1. "Waltz" (Chopin).

2. "Schertzes" (Chopin).

9.30 p.m.—Songs by MISS ALICE DUDE:

1. "Lover's Garden" (Del Riego).

2. "Love's Garden of Rose" (Haydn Wood).

9.30 p.m.—Instrumental Quartet:

DAN SCULLY, MONICA HORDER,
MURIELLE LANG, ADA BROOK.

9.50 p.m.—Talk.

10 p.m.—Close down.

3LO, MELBOURNE.

Monday

MIDDAY SESSION.

12 noon.—Time signal. British Official news from Rugby, Reuters and The Australian Press Association cables. Argus news.

12.30 p.m.—FRANK AND FRANCES LUIZ:
"Hawaiian Melodies."

12.50 p.m.—STUDIO ORCHESTRA:
Selection, "Cabaret Girl" (Kern).

1.20 p.m.—Stock Exchange information.

1.30 p.m.—RITA HILTON, soprano:
"Dawn," "Paeon" (French).

1.45 p.m.—"What Is This Your Name?" (Mozart).

2.00 p.m.—STUDIO ORCHESTRA:
"Tango Serenade" (Simon).

2.15 p.m.—"A Love Song" (Purmer).

2.30 p.m.—GWEN HUMFRAY, contralto:
"Blackbird's Song" (Scrib).

2.45 p.m.—"Love Is A Merchant" (Carew).

3.00 p.m.—Metereological Information. Shipping Intelligence. Weather forecast for Victoria, Tasmania, South Australia, and New South Wales. Ocean Forecast. River reports.

3.15 p.m.—TASMA TIBERIAN, Cello:
"Andante," Concerto (Goltermann).

3.30 p.m.—STUDIO ORCHESTRA:
"Villa Duetto" (German).

3.45 p.m.—RITA HILTON, soprano:
"Take A Key And Lock Him Up."

3.55 p.m.—WALTER SMITH, cornet:
"Wendoures" (Hartman).

4.00 p.m.—GWEN HUMFRAY, contralto:
"Bantana's Romance" (Maschner).

4.15 p.m.—"A German Spring" (Burme).

4.30 p.m.—STUDIO ORCHESTRA:
"Forest Scenes" (Friek).

4.45 p.m.—Close down.
(Results of the Figitoy Pony Races will be given immediately after each race.)

AFTERNOON SESSION.

5 p.m.—STUDIO ORCHESTRA:
"William Tell Overture" (Rossini).

5.10 p.m.—MRS. DOBROTHY SILE: "The Moonlight Serenade."

5.25 p.m.—FRANK LIGHTFOOT, Steel
Guitar:
"A Kentucky Barbeque,"
"Hawaiian Pandango."

5.35 p.m.—JACK O'HAGAN, baritone:
"I'd You See Saily,"
"She's The Last Word."

5.45 p.m.—STUDIO ORCHESTRA:
"Poppy" (Selwyn) (Samuels).

5.50 p.m.—WILL HOWARD, comedian:
"I'm Going To Sing A Song,"
"The Pushing Young Man."

5.55 p.m.—BERTHA JORGENSEN, Violin:
"Scherzo" (Van Goens).

6 p.m.—STUDIO ORCHESTRA:
"Scherzo" (Baudri) (Kreisler).

4.5 p.m.—STUDIO ORCHESTRA:
"Romance" (Rimsky-Korsakoff).

"Minuet" (Kreisler).

4.15 p.m.—JACK O'HAGAN:
"Pal of My Lonesome Hour,"

"Oh, What a Pal was Woe."

4.25 p.m.—STUDIO ORCHESTRA:
"Valerie" (Chopin).

4.30 p.m.—MISS FLORA PELL, Inspector of
Schools:
"Domestic Economy."

4.45 p.m.—"Herald" news service. Stock Ex-

change information.

5 p.m.—Close down.

EVENING SESSION.

CHILDREN'S HOUR.

5.30 p.m.—Acceptances for Ballarat Miners' races, on Wednesday, July 26.

5.35 p.m.—Acceptances to Mothers' and Birthday
Gatherings, by "Little Miss Kitchie."

6 p.m.—FRANK AND FRANCES LUIZ:
"Little Hawaiian Melodies for Children."

6.10 p.m.—MISS G. FLOSS GREIG will tell
the children about a tour through South-

Eastern Asia:

"From Melbourne to Darwin."

6.30 p.m.—ELsie BRADSHAW:
"Songs at the Piano."

6.45 p.m.—Official report of Newmarket Stock Show by the Australian Stock and Station Agents of Melbourne, Bourke-street, Melbourne. Number of Sheep and Cattle drawn for week's sales.

6.55 p.m.—"Herald" news service. Weather synopses. Shipping movements.

6.55 p.m.—Stock Exchange information.

6.57 p.m.—Fish Market reports by J. E. Barrett, Ltd., Rabbit prices.

7 p.m.—River reports.

7.30 p.m.—Market reports of Fruit, by the Victorian Fruitgrowers' Association, compiled by "The Fruit World," exclusive to 3LO.

NIGHT SESSION.

7.35 p.m.—Flute, the pipes of the DEVELOP AUSTRALIA LEAGUE—MR. J. A. MORRISON, ex-Metropolitan Chairman A.N.A. will speak on:

"Australia's Young Men and their Destiny."

7.30 p.m.—MR. E. C. H. TAYLOR will speak on:

"School Life and School Sport."

7.45 p.m.—Under the auspices of the AGRICULTURAL DEPARTMENT, MR. S. G. HARRIS, Senior Potato Inspector, will speak on:

"Onion Growing."

8 p.m.—COBURG CITY BAND: March, "Gethsemane Commandery" (Folton). Fox Trot, "Take in the Sun, Hang Out the Moon" (Young).

8.15 p.m.—MR. H. E. F. LAMPE will speak on Diamonds.

8.25 p.m.—COBURG CITY BAND: "Recollection of Curl House" (Round).

8.35 p.m.—ASHTON JARRY, Raconteur: Selections from his repertoire.

8.45 p.m.—HOWARD KING, Bass-Baritone: "Myself When Young" (Liza Lehmann).

8.52 p.m.—MISS FLOSS GREIG: "The Honour of Angkor, the Ancient Capital of Cambodia."

9.45 p.m.—DONALD McBRIDE, Violin: "Ave Maria" (Schubert-Wilhelms).

"A Spanish Serenade" (Chaminade-Kreisler).

9.15 p.m.—MONA NUGENT, Soprano: "Mine" (Puccini).

"Matinalia" (Testi).

9.25 p.m.—FRANK AND FRANCES LUIZ: "Songs and Music of Hawaii."

9.35 p.m.—COBURG CITY BAND: Waltz, "Reen" (Ellenberger).

9.45 p.m.—Metereological Information; Official Wireless Information; Announcements.

9.52 p.m.—ISABEL BIDDLE, Contralto: "Secrecy" (Wolf).

"Like a Blooming Lilac" (Brahms).

10.00 p.m.—COBURG CITY BAND: "Spanish Travellers" (Verdi).

10.10 p.m.—MONA NUGENT, Soprano: "Intermezzo" (Schumann).

"Evening" (Kerlia).

"The First Primrose" (Grieg).

10.17 p.m.—"Argus" News Service: The Royal Automobile Club of Victoria's Safety Message for the Year is for MOTORISTS:

"An automobile is no faster than its driver. Waste a minute and save a life. What's your hurry?"

10.25 p.m.—COBURG CITY BAND: "Egyptian Intermezzo" (Amina (Finck).

10.32 p.m.—EDWARD KING, Bass-Baritone: "Canto" (Sanderson).

"O'er" (Sanderson).

10.45 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:

"Reaching for the Moon" (Davis).

"That's My Girl" (Davis).

"St. Louis Blues" (Hendy).

"I'm Telling the Birds, Telling the Bees" (Brown).

"Oh, If I Only Had You" (Fried).

"Hi, Hi, Ho, the Merry Old Brown" (Brown).

11.15 p.m.—OUR GREAT THOUGHT:

"Learning elevates the lowest orders of society, stamps the highest value on nobility, and to princes is the most splendid gem in the Diadem of Royalty."

—Pope Julius II.

11.25 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:

"God Save the King."

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3AR, MELBOURNE

Monday.

EVENING SESSION.

"COMEDY CONCERT."

7.30 p.m.—Mr. William Smith:
Early Postal History of Victoria.

7.40 p.m.—Mr. Thomas Clark:

"Bees."

7.50 p.m.—Market Reports; Notice.

8 p.m.—G.P.O. clock news; "Night."

8.10 p.m.—Miss Alice Hastic, contralto:

"Lie there my love" (MacCunn).

"The Carpet" (Sanderson).

8.20 p.m.—Signori Giovanni Celi and Christopher Zatti, European instrumentalists (mandolin and Spanish guitar);

"Walks of Love" (Celi).

8.30 p.m.—Mr. Charles Trevavis, baritone:

"The Windmill" (Nelson).

"The Fairy Tales of Ireland" (Costea).

8.30 p.m.—Mr. Frank Crowley, "The Avenue
Gown."

"Holland's Sweethearts" (Hulme).

8.35 p.m.—Announcements.

7.30 p.m.—Mr. Harry Loft, banjo:

"Oakleigh Quickstep" (Galley).

"Picnicanus Xmas" (Cammerer).

8.30 p.m.—Miss Dorothy Humphry, soprano:

"A Summer Night" (Goring Thomas).

"Bird of Love Divine" (Haydn Wood).

8.30 p.m.—Mr. T. James Lloyd, tenor:

"Waino" (in Art Hall).

"Papageno" (Edward Purcell).

8.40 p.m.—Signori Veti and Zatti, the
European Duo;

"Hambohm" (Carissi).

8.50 p.m.—Mr. Allan Lorsing, an entertaining
lecturer: "A Trip to the Opal Fields."

8.30 p.m.—Miss Alice Hastic, contralto:

"Hawnsong," from Carmen (Bart).

"Ships that pass the night" (Stephen-
son).9.10 p.m.—Mr. Frank Crowley, "The Avenue
Gown."

"Loops" (Debussy).

"The washer" (Perry).

9.25 p.m.—Announcements.

8.30 p.m.—Mr. Charles Trevavis, baritone:

"Song of the Volga Boatmen" (Kommers-
man).

"Border Ballad" (Cowell).

8.30 p.m.—Miss Dorothy Humphry, soprano:

"For all Eternity" (Massenet).

8.40 p.m.—Personal Story (McBurney).

9.40 p.m.—Mr. Harry Loft, banjo:

"That's why I love you" (Donadoni).

"Melody in F Waltz" (Ainsworth).

8.30 p.m.—Mr. T. James Lloyd, tenor:

"It made you happy" (Donaldson).

"Song of the Wanderer" (Moret).

10.30 p.m.—G.P.O. clock news, "Ten."

10.1 p.m.—The "Age" news bulletin.

10.5 p.m.—Dance Hour, Lessett's Ballroom
Orchestra (direction, Mr. Harry Nangle).

10.45 p.m.—G.P.O. entertainment.

11.45 p.m.—G.P.O. clock news, "Eleven."

God Save the King.

4QG, BRISBANE.

Monday.

MIDDAY SESSION.

1.30 p.m.—Market Reports; Weather Informa-
tion supplied by the Commonwealth WeatherBureau; News service supplied by "The
Daily Mail" and "The Daily Standard."1.20 p.m.—FROM HOTEL CARLTON: Lunch
menu, played by Hotel Carlton Symphony
Orchestra.

1.50 p.m.—FROM THE OBSERVATORY:

Standard Time Signal.

2.30 p.m.—Close Down.

AFTERNOON SESSION.

FROM HOTEL CARLTON: After-
noon Tea Music played by Hotel Carlton
Symphony Orchestra.4.15 p.m.—FROM THE STUDIO: News Ser-
vice supplied by "The Telegraph."

4.30 p.m.—Close Down.

EVENING SESSION.

AFTERNOON SESSION.

EARLY EVENING SESSION.
 6.00 p.m.—News Service Supplied by "The
Daily Standard."

6.15 p.m.—Lectures: "New Queenslanders"
by Mr. Nell O'Sullivan (for the Queen's
Prize League); "The Children's Session; Stories by
"The Storyman."

6.30 p.m.—The Children's Session; Stories by
"The Storyman."

6.30 p.m.—Market Reports; Stock Reports.

6.30 p.m.—Weather News; Announcements.

6.45 p.m.—Standard Time Signals.

7.15 p.m.—Lectures: "The Children's Music
Corner," conducted by "The Music Man."

NIGHT SESSION.

TIAPOIRTE RECITAL.

The first portion of tonight's programme
will consist of broadcasting of a Chopin
pianoforte recital by Mr. Erich John. The
recital will be relayed from Mr. John's
Studio.

**8.00 p.m.—FROM MR. ERICH JOHN'S
STUDIO:** Pianoforte solo: (a) "Polonoise"
Opus 23, No. 2 (in A minor); (b) "Nocturne"
Opus 15, No. 1 (in F sharp major);
(c) "Waltz" (in E minor). Contralto solo,
"Horizon" (Rigolet), Miss Dorothy Brown.
Pianoforte solo: (a) "Waltz" Opus 64, No.
2 (in C sharp minor); (b) "Preludes," Opus
28, Nos. 1, 2, 3, 4 (in E minor); (c) "Fugue," Opus
28, No. 5 (in E minor); (d) "Nocturne" (in
A minor); (b) "Tristide" (Raindrop), Opus
28, No. 15 (in E minor); (e) "Scherzo" Opus 31 (in
B flat minor).

8.30 p.m.—FROM THE STUDIO OF 4G:
Metropoleon, Wally French, with
"Summer Secret" (Lamont), the Gailey
Theatre Orchestra; (bass solo, "Magic of
Mine" (Elliot), Mr. Gerald Chapman; rag,
"U.S. Zoo" (Mitschke), the Gailey Theatre
Orchestra; soprano solo, "Charm of Spring"
(Markel); Miss Rose; (c) orchestra, the
Gailey Theatre Orchestra; (d) orchestra, the
Gailey Theatre Orchestra; (e) bass solo, "Old Irish
Mother" (van Tilse), Mr. Gerald Cashman;
a thought for to-night, "In This Life,"
Will H. Lister; contralto solo, selected
Miss Edna Howlett, orchestra, "Sweet Bell"
(Gervais); (f) orchestra, the Gailey Theatre Orchestra;
Soprano solo, Miss Rene Steanners; inter-
mission, Miss Edna Howlett; (g) orchestra,
the Gailey Theatre Orchestra.

10.00 p.m.—FROM THE STUDIO: "The Daily
Mail"; News; Weather News; Close Down.

5CL, ADELAIDE

Monday.

MORNING SESSION.

10.00 a.m.—Chimes.

10.1 p.m.—Studio music.

10.15 p.m.—"Advertiser" News Service and
Market Reports.

10.45 p.m.—Studio Music.

1.00 p.m.—"Advertiser" news service.

1.00 p.m.—Chimes stock exchange intelligence.

Official Weather Bulletin. Close Down.

AFTERNOON SESSION.

3.00 p.m.—Chimes.

3.1 p.m.—Relay from the Maple Leaf Cafe—
Orchestra selections.

3.40 p.m.—Studio Music.

4.00 p.m.—Chimes.

4.1 p.m.—Relay from the Adelaidia Cafe—Or-
chestra selections.

4.45 p.m.—Market announcements.

5.00 p.m.—Chimes and close down.

EVENING SESSION.

8.00 p.m.—Chimes.

8.1 p.m.—Orchestra music relayed from Covent
Garden.

8.30 p.m.—"Children" time.

8.45 p.m.—Market reports; Stock Exchange In-
formation; Metal Graver's Report; Automobile
Accident Bulletin.

9.00 p.m.—Mr. Basil Whittle, "Physical Cul-
ture."

9.15 p.m.—Chimes.

9.15 p.m.—From the studio:
Heather Kitchener, Gisela Cawson, dramatic soprano,
Syd Murrill, baritone.

Instrumental Trio: Meers, Carlyle Jones,
and Harry Williams; violin, R. Headley,
pianist.

9.20 p.m.—Mr. F. J. Mills ("The Twinkler").

9.40 p.m.—Relay from Way Hall, Holdens Band;
of General Motors Ltd., in a programme of
Classical Hand Music.

9.1 p.m.—Weather report; Dalgety's wheat re-
port.

9.30 p.m.—Relay from Way Hall.

9.45 p.m.—"Advertiser" News service, Wireless,
shipping.

10.15 p.m.—Instrumental trio: Meers, Carlyle
Jones, Beattie and Williams.

10.25 p.m.—Relay from Way Hall, Holdens
Silver Band.

10.30 p.m.—Weather Bulletin, station an-
nouncements.

11.00 p.m.—"Our National Anthem."

7ZL, HOBART

Monday.

MORNING SESSION.

11.00 a.m.—Chimes and close in.

11.15 a.m.—Clock in selection.

11.30 a.m.—Official news service.

11.30 a.m.—Shipping information.

11.45 a.m.—Weather news.

11.50 a.m.—Musical selection.

11.55 a.m.—Tasmanian station 9 am, weather
report.

12 noon—G.P.O. Clock Chimes.

Close Down.

AFTERNOON SESSION.

1.00 p.m.—G.P.O. Clock Chimes.

1.01 p.m.—Time in selection.

1.15 p.m.—Items of interest; announcements.

3.15 p.m.—Orchestral selections by 7ZL
Orchestra.4.15 p.m.—Feature talk by "Anita Eaton" of
Brookside, Lida, Hobart.

4.25 p.m.—Hobart Stock Exchange quotations.

Weather forecast.

4.30 p.m.—Close down.

EARLY EVENING SESSION.
 6.30 p.m.—"Uncle Hector" talk in the Phil-
lips.

7.30 p.m.—"Uncle Hector" chats to his Pal.

NIGHT SESSION.

7.45 p.m.—Musical selection.

7.55 p.m.—Physical Culture talk by Lieutenant
Reginald McKesson.7.59 p.m.—"Mercury" special Tasmanian news
service.

7.59 p.m.—Railway Auction Produce Sales.

Hobart Stock Exchange quotations.

Weather information.

8.p.m.—G.P.O. Clock Chimes.

Miss Bertha Marshall (soprano), Miss Neely
(pianist), Mr. Hugh Taylor (conductor),
Mr. Frank Dalton (baritone).

9.55 p.m.—"Mercury" interstate news service.

Tasmanian District Weather Reports.

9.55 p.m.—Weather synopses.

10.15 p.m.—Weather announcements.

10 p.m.—Close down.

Tuesday, July 19

2FC, SYDNEY.

EARLY MORNING SESSION.

Announcer 1—LAURENCE HALBERT.

7.30 a.m.—Studio music.

7.45 a.m.—COUNTRY SESSION: Official wea-
ther forecast, rainfall, temperatures, astro-
nomical memoranda, shipping intelligence,
mail services.7.45 a.m.—Investment market, mining share
market, metal quotations.7.45 a.m.—Wool sales, breadfruit markets,
industrial markets, produce markets.7.45 a.m.—"Sydney Morning Herald" sum-
maries.

8 a.m.—"Big Ben." Close down.

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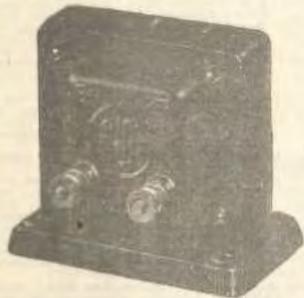
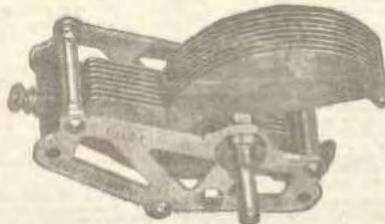
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MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
 10.5 a.m.—Studio music.
 10.15 a.m.—"Sydney Morning Herald" news service.
 10.30 a.m.—Studio music.
 10.35 a.m.—A talk by the SPC Racing Committee.
 10.45 a.m.—Studio music.
 11 a.m.—"Big Ben."
 Marching music for school children.
 11.3 a.m.—A.P.A. and Reuter's Cables.
 11.10 a.m.—Studio music.
 11.15 a.m.—A talk on home cooking and recipes by Miss Ruth Furst.
 11.50 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.
 12.5 p.m.—Studio music.
 12.10 p.m.—Summary of "Sydney Morning Herald" news service.
 Ruby wireless news.
 12.25 p.m.—Studio music.
 12.35 p.m.—Marching music for school children.
 12.40 p.m.—SYBIL ATHOLWOOD, mezzo: "Give me the Star" (Jover).
 12.45 p.m.—Studio music.
 1 p.m.—"Big Ben." Weather intelligence.
 1.30 p.m.—"Evening News" midday news service.
 Press 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.—SYBIL ATHOLWOOD, mezzo: "Little White House" (Hansley).
 1.45 p.m.—Studio music.
 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- Announcer ... LAURENCE HALBERT, Accompanist ... Ewart Chapple
 2 p.m.—"Big Ben" and announcements.
 2.5 p.m.—The LYRIC WINTER GARDEN THEATRE ORCHESTRA.
 3.15 p.m.—Reading.
 3.30 p.m.—Marching music for school children.
 3.40 p.m.—LAILEEN BEAR, mezzo (from Far from the Madding Crowd).
 3.45 p.m.—THE LYRIC WINTER GARDEN THEATRE ORCHESTRA.
 4 p.m.—FLORENCE GRANT, soprano: "Through Sunny Spain" (Mattei).
 4.30 p.m.—LORRAINE JARMAN, soprano: "A Castilian Lament" (del Riego).
 4.30 p.m.—THE LYRIC WINTER GARDEN THEATRE ORCHESTRA.
 4.45 p.m.—ALISON DALE, soprano.
 4.50 p.m.—THE LYRIC WINTER GARDEN THEATRE ORCHESTRA.
 4.54 p.m.—ALISON DALE, soprano: "A Dream of Delight" (Nicholls).
 4.56 p.m.—LORRAINE JARMAN, soprano: "May-day Morn" (Sister).
 4.40 p.m.—FLORENCE GRANT, soprano: "Mis Picciola" (Gomes).
 4.45 p.m.—Reading, third call.
 4.46 p.m.—ALISON DALE, soprano.
 "I know a lovely Garden" (Hardscot).
 4.50 p.m.—THE LYRIC WINTER GARDEN THEATRE ORCHESTRA.
 5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

- Announcer A. S. COCHRANE.
 5.15 p.m.—The Chimes of SPC.
 5.30 p.m.—The "Hello Man" talks to the children.
 5.35 p.m.—Story time for the young folk.
 5.40 p.m.—Dinner music.
 7 p.m.—"Big Ben." Late sporting news.
 7.10 p.m.—Dairy farm market reports (wool, wool and stock).
 7.15 p.m.—Fruit and vegetable markets.
 7.20 p.m.—Shipping and weather information.
 7.25 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- Announcer A. S. COCHRANE.
 Accompanist Ewart Chapple.
 7.40 p.m.—Programme announcements.
 7.45 p.m.—Studio music.

MORNING SESSION.

- EDGAR WARBICK and EILEEN DAWN (by permission of E. J. Carroll) make their first appearance at the Studio, presenting a new Broadcasting Sketch.

8.12 p.m.—FROM THE CONSERVATORIUM HALL: Items from the Monbij Concert by the BRITISH MUSICAL SOCIETY.

Trio (Piano, Violin and Cello),
 RUTH CONWAY, EDNA SCOTT, CRAIG and M. WIGG.

8.25 p.m.—Songs (a) "The Cloth of Heaven" (Dunhill).
 (b) "Love went aridng" (Bridge).

8.35 p.m.—Pianoforte solo, "Capriccio in Sharp Minor" (Bridge). LESLIE REYNOLDS, L.A.B.

8.45 p.m.—Song (a) "Elektra" (Taylor).
 (b) "The Moon is Bright" (Taylor).

MAURICE DALY.

8.50 p.m.—Violin solo, "First Movement in F Minor" (Concerto (Viennese)).
 RENE JURKITT.

8.55 p.m.—FROM THE STUDIO: ALFRED OSHEA, Australia's Foremost Tenor.

9.5 p.m.—FROM THE CONSERVATORIUM HALL: Continued on the programme by the BRITISH MUSICAL SOCIETY.

Violin and Piano, "First Movement No. 1 Sonata" (Ireland), GORDON V. LAVERS and JOYCE FREW, L.A.B.

9.15 p.m.—Pianoforte solo:
 (a) "Andante Pastorale" (Scott).
 (b) "Valse Scherzante" (Scott).
 (c) "Cavatina Simple" (Matthay).

THOMAS HOOPER.

9.25 p.m.—Trio (Piano, Violin and Cello), RUTH CONWAY, EDNA SCOTT, CRAIG and M. WIGG.

9.55 p.m.—FROM THE STUDIO: ALFRED OSHEA, tenor.

9.45 p.m.—A Book review by Mr. Grattan Smith.

10 p.m.—"Big Ben" Dance music.

10.15 p.m.—ROBERT TURNER, entertainer, in a series of short Australian Sketches:
 (a) "The Etow al Coit" (Dennis) (from "The Sentimental Bloke").

(b) "That there dog of Mine" (Lawson).

10.25 p.m.—DANCE MUSIC.

10.30 p.m.—ROBERT TURNER, entertainer: "Actor Second" (Paterson).

10.35 p.m.—NAME MUSIC.

10.57 p.m.—Late news and announcements.

11 p.m.—"Big Ben."

DANCING SESSION until 11.30 p.m.

11.20 p.m.—National Anthem.

Close down.

2BL, SYDNEY.

Tuesday.

EARLY MORNING SESSION.

- 7.0 a.m.—G.P.O. Clock and Chimes; Metropolitan Weather Forecast.

7.2 a.m.—State Weather Report.

7.4 a.m.—News Service.

7.18 a.m.—Fruit and Vegetable Market Report.

7.26 a.m.—Allied and P.C.C.'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.

7.45 a.m.—News Service.

7.48 a.m.—Mail Information, Shipping Arrivals and Departures, and Port Director.

7.48 a.m.—G.P.O. Clock and Chimes; News Service.

7.50 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.

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

11.0 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 "Sleeping the day right," by Mr. Adams, A.M.A.

11.20 a.m.—G.P.O. Clock and Chimes; Special Ocean Forecast and Weather Report.

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

11.45 p.m.—Information—Mails, Shipping, and Port Director.

12.15 p.m.—Boats ad Call by Wireless.

12.20 p.m.—Fruit Market Report.

12.25 p.m.—Vegetable Market Report.

12.30 p.m.—London Metal Market Report.

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

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

12.52 p.m.—Fish Market Report.

12.55 p.m.—General Trade Report.

12.56 p.m.—News from the "Sun."

12.45 p.m.—Billies' Instrumental Quartette Direction, Carol Crating.

1.30 p.m.—G.P.O. Clock and Chimes; Talk to Children and Special Entertainment for Children in Hospital.

1.45 p.m.—G.P.O. Clock and Chimes; Close Down.

AFTERNOON SESSION.

Racing Information Broadcast Immediately after each Race, by courtesy of the "Sun."

2.30 p.m.—G.P.O. Clock and Chimes; News from the "Sun."

3.15 p.m.—Civil Service Stores Trio, Direction, Miss de Courcy Bremner.

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."

4.00 p.m.—G.P.O. Clock and Chimes; Civil Service Stores Trio.

4.15 p.m.—Serial Story.

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

4.45 p.m.—News from the "Sun."

4.50 p.m.—Review of Night's Programme.

4.54 p.m.—Special Ocean Forecast.

5.00 p.m.—G.P.O. Clock and Chimes; Close Down.

EARLY EVENING SESSION.

5.15 p.m.—G.P.O. Clock and Chimes; Uncle Bass and the Kiddies.

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

SPECIAL COUNTRY SESSION.

7.0 p.m.—G.P.O. Clock and Chimes; Australian Mercantile Land and Finance Co. Report; Weather Reports and Forecast by courtesy of the State Meteorological Department, Melbourne. Society's Fruit and Vegetable Market Report; Stock Exchange Reports; Grain and Food Report ("Sun"); Dairy Products Report ("Sun").

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

7.30 p.m.—Talk on "The Motor Car," by Mr. Martin.

7.45 p.m.—Talk by a member of the Listeners in League.

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

8.30 p.m.—Concert in Aid of the Social Service Committee Fund, Readances from the King's Hall; Performances arranged by Bill McRae, Warwick McKenna, Artistic, Ella McKenzie (Solo Pianist); Elsie Condon (Soprano); Professor Randal Woodhouse (Tenor); Davies Vocal Quartette; Lawrence Campbell (Elocutionist), Warwick McKenzie (Violinist).

10.15 p.m.—The Ambassadors' Dance Band, led by Bill McRae, from the Ballroom of the Ambassadors. During the Intervals between Dances "Sun" News will be broadcast.

11 midnight—G.P.O. Clock and Chimes; National Anthem.

2GB, SYDNEY

Tuesday.

MOORNING SESSION.

8 a.m.—Music.

9.45 a.m.—"Cheerio" Talk.

9.25 a.m.—Music.

9.40 a.m.—Talk.

9.45 a.m.—Music.

10 a.m.—Health and Diet.

10 a.m.—Close down.

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AFTERNOON SESSION.
 1.15 p.m.—Music.
 2.27 p.m.—Address by Miss Mavis Parker.
 3.22 p.m.—Music.
 4.7 p.m.—Address.
 4.22 p.m.—Music.
 4.39 p.m.—Close down.

3LO, MELBOURNE.

Tuesday.

MIDDAY SESSION.

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

12.16 p.m.—COMMUNITY SINGING IN THE STUDIO: Conducted by MR. G. J. MACKAY, assisted by the Studio Orchestra.

The songs will be selected from the following:
 "God Bless Australia" (tune, Adeates Fifes).
 "March of Men of Harlech."

"My Bonnie is Over the Ocean"
 "Old Black Joe".

"I Wish You Happy" (Chorus only).
 "Good-byes" (Chorus only).
 "In the Garden of To-morrow" (Chorus).

"Rye, Rye, Blackbird" (Chorus).
 "Moonlight and Roses" (Chorus).

During the hour the following solos will be rendered:

BILLIE STARRE, Soprano:
 "I'm Like a Lovely Rose" (Schumann).
 "A Wild Rose" (Schubert).

NOELAN BRADSHAW, Tenor:
 "Red Devil by the Sea" (Clarke).
 "Sally Horner".

1.43 p.m.—Meteorological Information: Ships' Radio, British Weather Forecast for Victoria, Tasmania, South Australia and New South Wales; Queen Forecast; River Reports.

1.50 p.m.—Close Down.

AFTERNOON SESSION.

1.50 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS;

"Sam, the Old Accordion Man" (Donaldson).
 "The Song We Are Together" (Cobbett).
 "The Cat" (Kahn).

2.10 p.m.—"AU FAIT";
 "Fashion Talk".

2.25 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS;
 "Sunday" (Miller).

"Hello, Little Girl of My Dreams" (Berlioz).
 "Let's All Be Good Friends" (Hawkins).

2.35 p.m.—FRANK AND FRANCES LUIZ: Songs of the Southern Seas.

2.45 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS;

"Climbing up the Ladder of Love" "The Original Beach Bottom" (Henderson).
 "I Didn't Know" (Swift).

2.55 p.m.—JACK O'HAGAN, Baritone:
 "At Sundown":

"Take in the Sun"; "Just the Same".

3.2 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS;

"Maidenly Differences" (Hawkins).
 "Perhaps You'll Think of Me" (Stone).
 "Muddy Water" (Be Rose).

4.12 p.m.—JACK O'HAGAN, Baritone:
 "Paradise in Mother's Eyes" "Just the Same".

4.15 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS;

"Camille" (Sherman).
 "I'm On My Way Home" (Berlin).
 "Chinese Moon" (Neuhaus).

4.25 p.m.—MATRON MORELAND:

"Mothersoft"; "Motherchild";

4.45 p.m.—"Gerald"; News Service; Stock Exchange Information.

4.50 p.m.—Close Down.

EVENING SESSION.

CHILDREN'S HOUR.

5.30 p.m.—Answers to Letters and Birthday Greetings by "MARY GUMBLEAF".

5.40 p.m.—STUDIO ORCHESTRA:
 "March of the Toys" (Hawkins).

5.7 p.m.—MYRTLE ROBERTSON, Violin:

"Gullaby" (Cyril Scott).
 "The Beast" (Franz Schubert).

6.15 p.m.—CAPT. DONALD MACLEAN:

"The Western Australian Pirates".

6.10 p.m.—Official Report of Newmarket Stock Sales: Report on Sheep and Lambs by the Associate Stock and Station Agents of Newmarket, Bourke Street, Melbourne.

6.15 p.m.—"House" (Hawkins); Weather Syndicate; Shipping Movements.

6.22 p.m.—Stock Exchange Information.

6.27 p.m.—Fish Market Reports by J. R. Borrett, Ltd.; Rabbit Prices.

7.0 p.m.—River Reports.

7.30 p.m.—Market Prices by the Victorian Producers' Co-operative Co., Ltd.: Dairy Produce; Potatoes and Onions; Poultry, Game, Straw, Hay and Jute.

NIGHT SESSION.

ANNIVERSARY MEETING OF MELBOURNE CITY MISSION.

Speaker: HIS EXCELLENCE THE GOVERNOR, LORD SCOBURGH.

A HALF HOUR OF NATIONAL MUSIC.

Annotated by J. Sutton Crow.

ST. VINCENT DE PAUL'S ORPHANAGE BAND.

JOE ARONSON'S SYNCOPATING SYMPHONISTS.

7.15 p.m.—MADAME SOUWAR:

"La Premonition Adventure de Gli Blas."

7.30 p.m.—Under the auspices of the Union Music Extension Board, MISS G. PARKER, M.A.:

"Some Readings from Modern Poetry".

7.45 p.m.—Under the auspices of the Melbourne Town and Country Union, HON. F. HALIFAX THOMSON will speak on "The Economic Position of the Country".

8.0 p.m.—MELBOURNE CITY MISSION—ANNIVERSARY MEETING to be held in Independent Church, Collins Street, Melbourne—Speech by His Excellency Lord Somers.

8.30 p.m.—ST. VINCENT DE PAUL'S ORPHANAGE BAND, Conductor, F. H. Morris.

Selection: "Echoes of the Opera" (Blimer).

8.45 p.m.—NORMAN BRADSHAW, Tenor:

"Sweet Evening Come and Go" (Coleridge-Taylor).

"S.S. Reised for the Broken Brook".

8.50 p.m.—HALF HOUR OF NATIONAL MUSIC. Annotated by J. Sutton Crow.

EDWARD ROTHSTADT, pianist, will play: "One Movement from a Piano-Forte Concerto" (Greig).

MABEL NELSON will sing:

"The Swan" (Gring).

"I'm a Poor Fisherman".

"The Trial" (Sibelius).

MABEL NELSON, pianist, will play: "Irish Tune from County Derry" (Percy Grainger).

"Country Gardens" (Peter Grainger).

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

"Jay walking is a short cut to the hospital. It is thinking one thing and doing another—watch your step."

9.31 p.m.—DONALD MCBEATH, Violin Recital.

"Meditation"—Thais (Massenet).

"Mammarik" (Wieniawski).

9.51 p.m.—ST. VINCENT DE PAUL'S ORPHANAGE BAND:

Overture, "Red and Black" (Tchaikoff).

Comical Solo: "Teenie" (D'Albert).

10.15 p.m.—ISABEL BIDDLE, Contralto:

"All This the Night" (Welsh Air).

"Golden Shimmers Kiss Your Eyes" (Old English).

9.38 p.m.—MR. E. K. LEFF:

"The Difference in Selecting a Baby's Name".

9.45 p.m.—NORMAN BRADSHAW, Tenor:

"For Fred," "Chinese Moon" (Neuhaus).

10.0 p.m.—Meteorological Information: British Official Wireless News from Rugby.

10.45 p.m.—FRANK AND FRANCES LUIZ:

"Lashed Melodies".

10.45 p.m.—MARION LIGHTFOOT, Banjo:

"Newtown Gallop".

"On the Muji Tum".

10.52 p.m.—ARMED SERVICES:

Sporting Notes by "Olympus".

10.52 p.m.—ISABEL BIDDLE, Contralto:

"Tillie and the Denmark Rose" (Elgar).

"The Fuchsia Tree" (Quilter).

10.57 p.m.—ST. VINCENT DE PAUL'S ORPHANAGE BAND:

Selection of Popular Airs.

10.45 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:

"Every Little Thing" (Spencer).

"You've Got to Be Black Sheep" (Sparks).

"There Ain't No May in My Baby's Eyes" (Kahn).

"I've Got the Girl" (Donaldson).

"Kentucky Lullaby" (Miller).

"I'm Longer for the Sun than the Day".

11.0 p.m.—OUR GREAT THOUGHT:

"Every human soul has the germ of some flowers within, and they would open, if they could only find sunshine and free air to expand in. I always told you that not having enough of sunshine was what ailed the world. Make people happy, and there will not be half the quarrels or a tenth part of the wickedness there is."

—Mrs. Child.

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

11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Tuesday.

MORNING NEWS SESSION—11 to 12 noon
 MIDDAY CONCERT SESSION.

Selecter, Mr. Godfrey Hayes.

11.1 p.m.—Transcribed from Pantray House 235 Collins Street (by exclusive permission of Wills and Paton, Ltd.) on the Brunswick Pantray.

1 p.m.—Close down.

MATINEE SESSION,
 ORCHESTRAL CONCERT.

2.30 p.m.—Studio Orchestra.

2.45 p.m.—Miss Marie Dimond, mezzo-soprano; Miss Alice Dimond, soprano; Miss Leah Lehmann, soprano.

"Shine, Shine and Shine" (Bunthorne).

2.55 p.m.—Studio Orchestra.

2.55 p.m.—Mr. Ronald Brasier, Cello:

"Lied ohne Worte" (Mendelssohn).

3.15 p.m.—Studio Orchestra.

3.35 p.m.—Miss Marie Dimond and Miss Marjorie Halliday, Dual: "Fest" (Pest).

3.45 p.m.—Studio Orchestra.

3.45 p.m.—Miss Marion Halliday, soprano:

"Carriolas" (Puccini).

3.55 p.m.—"Au Dawnings" (Culman).

3.55 p.m.—Studio Orchestra.

4.0 p.m.—G.P.O. Clock says "Four."

4.1 p.m.—Weather forecast.

4.45 p.m.—Studio Orchestra.

4.45 p.m.—Second Selection from Lilac Time (Cleetham).

4.45 p.m.—Miss Marie Dimond, mezzo-soprano:

"Thank God for a Garden."

4.45 p.m.—Studio Orchestra.

4.50 p.m.—Miss Marion Halliday, soprano:

"Vale" (Bussell).

4.55 p.m.—Studio Orchestra.

4.55 p.m.—To-night's Entertainment.

5.00 p.m.—G.P.O. Clocks say "Five."

Close down.

CHILDREN'S SESSION—6.30 p.m.

EVENING SESSION.

FIRST OLD-TIME NIGHT.

Studio Master: Mr. Stephen McDonald. Personal Accompanist: Miss Violet Wood.

7.30 p.m.—"The Captain"—School Life and School Sport for the Boys and Girls of Australasia.

8.0 p.m.—Select report. Noises.

8.0 p.m.—G.O. Clock says "Eight."

8.1 p.m.—DEANEY'S AND DOWNGAN'S TURNOUT to be held at Rafferty's Barn.

For those who don't know the way, keep on keeping on and beware of the Brindle Bull.

THE RAFFERTY'S GET ready for the gents.

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8.2 p.m.—Take your partners for a circular waltz.

The Orchestra: The Murphy's Famous Family Band;

"Blue Danube Waltz" (Strauss);
"The Girl Is Mine" (Jack DONGAN) tries his lungs out on

"The Harp That Once" (Graham), "Good Old Jeff" (Griffen).

And the Company join in.

8.15 p.m.—Look Who's Here—MR. ALAN BELL (he's got a parcel under his arm), who's the bear from him:

"Burgess—The Cows Are in the Clover" (Fisher).

"Hey, Lackaway, Misery me" (Frank). 8.25 p.m.—Now one of those upstairs staying at Delaney's wants to shriek:

"Scenes that are Brightest" (Wallace), "Just a Song at Twilight" (Moloy).

Six bells herald Miss Beatrice Oakley (soprano).

8.31 p.m.—This looks alright. One of the Murphy's (Miss Lee Lee) is going to give us a tune on her banjo:

"The Camp Town Races" (Traditional), "The Old Log Cabin in the Dell" (White). (We can all join in.)

8.27 p.m.—"Hurray! good old Joe Delaney!" You sing:

"Ben Bolt" (Trilby's Song), Let him wrangle as well—

"Old Black Joe" (Foster).

8.45 p.m.—Delaney's visitors will sing a duet or two—

Mr. Heaton, Oskar, soprano, and Miss Gertrude Gray, contralto.

"Life's Dream O'er" (Asher), "List to the Convent Bells" (Blockley).

8.52 p.m.—Take your partners for "The Lancers" (Eva Read).

9 p.m.—Mr. Joe Delaney and Mr. Jack Donovan are in high spirits; so there is nothing else for it but making themselves out with a bang.

9.15 p.m.—Supper's dinner!

Mr. Alan Bell doesn't eat when away from home, so he'll entertain us with "Stewed Prunes and Prunes" (David), "O Her Face" (Slerry).

8.18 p.m.—A Schutzhund and Varsovian will help digest the corn beef sandwiches.

Schutzhund, "Bed Linen" (Eva Read), Varsovian, (Traditional).

8.24 p.m.—Oh, there they go! They want to be heard all the time!

Miss Gertrude Gray, mezzo-contralto, "Alice, those Chimes" (Wallace).

"The Old Folks" (Lionel) (Traditional).

8.30 p.m.—A little girl with the Fiddle, Miss Sophie Peters, and she'll play, "The Minstrel Boy" (Moore).

8.37 p.m.—Mr. Joe Delaney suggests a chorus, one we all know:

"Ganegive" (Tucker), "Far Away" (Richmond).

8.41 p.m.—Miss Gertrude Gray, Mezzo Soprano (Miss Dorothy) (Jubilee).

8.47 p.m.—Mr. Joe Delaney, tenor and chorus: "There is a Tavern in the Town" (Traditional).

8.50 p.m.—Take your partners for "The Royal Irish."

8.57 p.m.—"Auld Lang Syne."

10 p.m.—G.P.O. Clock says "Ten."

10.05 p.m.—Dance Hour—Leggitt's Ballroom Orchestra (Direction Mr. Harry Nangle), 10.05 p.m.—To-morrow's Entertainment.

11 p.m.—G.P.O. Clock says "Eleven."

GOD SAVE THE KING.

4QG, BRISBANE.

Tuesday

MIDDAY SESSION:

1.0 p.m.—Market Reports; Weather Information; "The Daily Mail" and "The Daily Standard" News.

1.10 p.m.—FROM HOTEL CARLTON: Lunch Music played by Hotel Carlton Symphony Orchestra.

1.58 p.m.—FROM THE OBSERVATORY: Standard Time Signal.

2.00 p.m.—Close Down.

AFTERNOON SESSION.

3.30 p.m.—A PROGRAMME OF MUSIC FROM THE STUDIO: Duo Art Selections (Rabinowitz); Aeolian Vocalion selections: (a) "Gems from 'Sunny'" (Kern) chorus, orchestra and dance band; (b) bass solo, "Land of Hope and Glory" (Elgar); Mr. W. Watsons; Duo Art Selections, "Polonaise"; Aeolian Vocalion Selections; (c) "Song from 'South Sea Melody'" (Kraszofowski Bass); (d) orchestral, "Laughing Water" (Taylor), Grosvenor Orchestra; Duo Art selection, "Rhapsody" (Brinkoff); Aeolian Vocalion selections: (a) song, "As Long as I Have You" (Lewis); Mr. Billy Bevan solo; (b) "cell" solo, "Nora But" (Paderewski); (c) "Technique," Mr. Peter Muscat; Duo Art Selection, "Caprice in G" (Paderewski).

4.16 p.m.—"Telegraph" News.

4.30 p.m.—Close Down.

EVENING SESSION.

6.00 p.m.—"Daily Standard" News; Announcements.

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

7.0 p.m.—Stock Reports; Stock Reports.

7.15 p.m.—Weather News; Announcements.

7.45 p.m.—Standard Time Signals.

7.45 p.m.—Lecturette, "Motorize—Correct Lubrication Table No. 8" by "Gargoyle."

NIGHT SESSION.

IRTHACA ORCHESTRAL SOCIETY.

The main portion of to-night's programme will be provided by the Ithaca Orchestral Society, (Conductor, Mr. A. Kieser).

8.00 p.m.—Overture, "Marina" (Wallace), the Ithaca Orchestral Society, soprano solo,

"The Willow Song" (Collette Taylor), Miss Elinor Ward, soloist, "Minuetto" (Boito), the Ithaca Orchestral Society; a thought for to-night, "Faith" Will H. Lister; tenor solo, "I Call Thee Love" in a Dream" (Ellis); Signor Corfiante suite "La Ardenada"; the Ithaca Orchestral Society, soprano solo, "Romance" (Charles), Mrs. Charles Wilby; monologue, "Just Her Way" Miss Eileen McLeanan.

9.00 p.m.—Metropolitan Weather Forecast; Soprano solo, "A Glance" (Hoover), Miss Edie Noone; selection, "The Belle of New York" (Hoover); the Ithaca Orchestral Society, junior solo, "At Dawning" (Odamman); Signor Corfiante serenade, "Espagnole" (Manola), the Ithaca Orchestral Society.

10.00 p.m.—FROM THE STUDIO: "The Daily Mail" News; Weather News; Close Down.

5CL, ADELAIDE.

Tuesday.

12 noon—Chimes.

12.1 p.m.—Studio Music.

12.15 p.m.—"Advertiser" news service and Market reports.

12.45 p.m.—Studio music.

1.00 p.m.—"Advertiser" news service.

1.15 p.m.—Studio music.

2 p.m.—Chimes Stock Exchange intelligence, official weather bulletin. Close down.

AUTERNOON SESSION.

2 p.m.—Chimes.

2.1 p.m.—Relay from Maple Leaf Cafe—Orchestra selections.

3.45 p.m.—Studio Music.

4 p.m.—Chimes.

4.1 p.m.—Relay from Arcadia Cafe—Orchestra selections.

4.45 p.m.—Station announcements.

5 p.m.—Chimes and close down.

EVENING SESSION.

5 p.m.—Chimes.

8.1 p.m.—Dinner music from Covent Gardens.

8.45 p.m.—Children's entertainment.

7.30 p.m.—Market reports; Stock Exchange Intelligence, Retail Grocers' Reports, Automobile Association Bulletin, Daw's Fish Market reports.

7.45 p.m.—"Domus" and the Home Beautiful.

8 p.m.—Chimes.

8.1 p.m.—From the Studio.

The Stock Olympia, assisted by Madame Stark and the Celebrity quartette, will be heard in old English Numbers.

9.1 p.m.—Weather report and Dalgety's wheat report.

9.30 p.m.—Old English Song Night Continued.

9.31 p.m.—Dr. Fizil.

10 p.m.—"Advertiser" news service, Wireless news.

10.15 p.m.—Studio items continued.

10.45 p.m.—Weather bulletin, Station anouncements.

11 p.m.—Chimes, National Anthem.

7ZL, HOBART

Tuesday.

MORNING SESSION.

11 a.m.—Chimes and tune in.

11.15 a.m.—Tune in selection.

11.45 a.m.—British official wireless news.

11.50 a.m.—"Mercury" news service.

11.55 a.m.—Shipping information.

12 p.m.—Stock market news.

12.15 p.m.—Mail notices.

12.30 p.m.—Commercial News.

12.45 p.m.—Foreign Exchange Market.

12.55 p.m.—Housewives' Guide.

12.45 a.m.—Musical selections.

12.55 a.m.—Tasmanian stations 9 a.m. washes report.

12.45 p.m.—G.P.O. Clock Chimes.

Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Clock Chimes.

3.15 p.m.—Tune in selection.

3.30 p.m.—Items of interest; announcements.

3.45 p.m.—Orchestral Selections by 7ZL Orchestra.

4.15 p.m.—Educational Talk.

4.25 p.m.—Hobart Stock Exchange quotations.

Weather forecast.

4.30 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—Musical Selection.

5.45 p.m.—Literary Lapses and Library Lists.

by Mr. W. E. Fulter.

7.50 p.m.—"Mercury" special Tasmania news service.

8.00 p.m.—Railway Auction Produce Sales.

Hobart Stock Exchange quotations.

Weather information.

8 p.m.—G.P.O. Clock Chimes.

8.15 p.m.—Concert from the Studio.

Miss Anna McGuire (soprano), Miss Kathleen Culmann (soprano), Miss Kene (mezzo soprano), Mr. Thos. Spencer (tenor), Miss Ruby Pirane (pianist).

9.30 p.m.—British official wireless news.

9.45 p.m.—"Mercury" special interstate news service.

Tasmanian District Weather Reports.

9.55 p.m.—Weather synopses.

Station announcements.

10 p.m.—Close down.

Wednes., July 20

2FC, SYDNEY

EARLY MORNING SESSION.

Announcer LAURENCE HALBERT.

7 a.m.—"Big Ben" and announcements.

7.15 a.m.—Studio music.

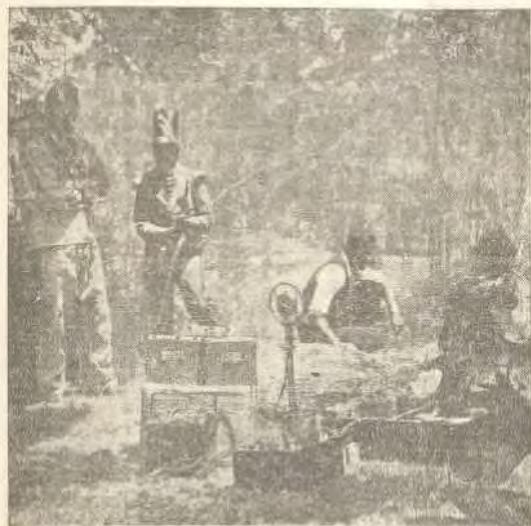
7.15 a.m.—COUNTRY SESSION: Official weather forecast, rainfall, temperatures, astronomical momoranda, shipping intelligence, mail services.

7.45 a.m.—Investment markets, mining share market, metal quotations.

7.55 a.m.—Wool sales, breadfruit market, fruit and vegetable markets, produce markets.

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

8 a.m.—"Big Ben." Close down.



Red-coat, Convict and Supers awaiting the summons to join in the big riot. Note the Burgess Batteries in foreground.

Loud Speakers on Gum Trees

Loud Speakers slung from scattered gum trees provided a unique sight, but more uncanny still was the directing voice which thundered forth from each Speaker and controlled every movement of the riot. Burgess Batteries supplied the power.

Here early Australian history mingled with modern science, making strange contrast, but producing a masterpiece in Australian filming.

BURGESS RADIO BATTERIES

Powerful—Dependable—Lasting

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.,
Creeks & Adelaide Streets, Brisbane

BIG HISTORIC FILM

Directed by Wireless

Convicts Run Riot

Five hundred convicts, red-coated soldiers and prison warders wrestling in murderous fury upon the banks of the Parramatta, make a masterful scene in the great Australian film—"For the Term of His Natural Life."

The microphone took the place of the megaphone, and a whole square mile of seething revolt was directed entirely by one man.

Conspicuous among the carefully chosen equipment used for this unique venture were the familiar black and white striped Burgess Radio Batteries, which delivered the electrical energy fully and strongly, and made the whole scene a triumphant success.

Shown below is Mr. Dawn before the microphone, directing the mighty mob scene.



Producer Dawn directing every move in the scene through the microphone.

MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
10.30 a.m.—Studio music.
10.15 a.m.—"Sydney Morning Herald" studio.
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.
11.6 a.m.—A.P.A. and Benger's Cable Services.
11.10 a.m.—Studio music.
11.15 a.m.—A talk on Home Cooking and Recipes by Mrs Ruth Purst.
11.30 a.m.—Close down.

MIDDAY SESSION.

- Announcer LAURENCE HALLIBURTT
Accompanist EWART CHAPPLER
12 noon.—"Big Ben" and announcements.
12.30 p.m.—Stock Exchange, first call.
12.45 p.m.—Official Weather Forecast, rainfall.
12.55 p.m.—Studio music.
12.59 p.m.—Summary of "Sydney Morning Herald" news service.
12.25 p.m.—Rugby wireless news.
Studio music.
12.30 p.m.—Marching music for school children.
12.45 p.m.—ANNE LUCIANO, soprano.
12.45 p.m.—Studio music.
12.55 p.m.—JOYCE FREW, violinist:
"Midnight Bells."
1 p.m.—"Big Ben." Weather intelligence.
1.30 p.m.—"Evening News" midday news service.
1.50 p.m.—Studio music.
1.55 p.m.—Stock Exchange, second call.
1.58 p.m.—Marching music for school children.
1.45 p.m.—ANNE LUCIANO, soprano.
1.45 p.m.—Studio music.
1.55 p.m.—JOYCE FREW, violinist:
"Serenade" (No. 1).
2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- 2 p.m.—The chimes of 2FC and announcements.
2.15 p.m.—JOYCE FREW, violin solo:
(a) "Waltz in A Major" (Hofmann);
(b) "Fox Soldier March" (Kreisler).
3.10 p.m.—Studio music.
3.15 p.m.—Reading.
3.30 p.m.—Marching music for school children.
3.45 p.m.—DOROTHY GUNNELL, contralto:
"The Minstrel" (Hawthorne).
3.45 p.m.—PATSY O'NEILL, soprano.
3.50 p.m.—JOYCE FREW, piano forte solo;
"Andante Rondo Capriccioso," Op. 14 (Meneldejohn).
- 3.55 p.m.—Studio music.
4 p.m.—ANNE MILLS, soprano:
"From the Land of the Sky-blue Water" (Gardiner).
- 4.15 p.m.—Studio music.
4.20 p.m.—PEGGY DUNBAR, contralto:
"Pleading" (Anderson).
4.25 p.m.—Studio music.
4.30 p.m.—PATSY O'NEILL, Songs at the Piano.
4.45 p.m.—Studio music.
4.50 p.m.—ANNE MILLS, soprano:
"There I leave you" (Ronald).
4.45 p.m.—Stock Exchange, third call.
4.45 p.m.—Studio music.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

- Announcer A. S. COCHRANE
1.45 p.m.—The Chimes of 2FC.
1.50 p.m.—The "Hello Men" talk to the children.
1.50 p.m.—Story time for the young folk.
1.40 p.m.—Dinner music.
1.50 p.m.—Late sporting news.
1.50 p.m.—"Big Ben." Late sporting news.
1.50 p.m.—"Dalgety's" Market Report (wool, wheat and stocks).
1.55 p.m.—Fruit and vegetable market.
1.50 p.m.—Weather and shipping intelligence.
1.55 p.m.—"Evening News" late news service.

NIGHT SESSION.

- Announcer A. S. COCHRANE
Accompanist EWART CHAPPLER
7.45 p.m.—Programme announcements.
7.45 p.m.—The Technical Editor of "Wireless Weekly"; "How to Listeners."
7.55 p.m.—A Book Competition.
7.55 p.m.—"Big Ben."
THE HAYMARKET OPERATIC ORCHESTRA. Conductor, Mr. Stanley Porter.
8.10 p.m.—FROM THE CONSERVATORIUM HALL: The second Quarterly Concert by the ROYAL SYDNEY APOLLO CLUB, conducted by Mr. Arnold McEwan.
Part Song: "What care I how fair she be" (Blomshorn).

ROYAL SYDNEY APOLLO CLUB.

- 8.15 p.m.—Personette, "22 Variations in C Minor" (Beethoven).
ALEXANDER SVERJENSKY.
8.25 p.m.—"Fare Song" (a) "Lullaby" (Heublach).
(b) "Who will be the Down" (Fresnel).
ROYAL SYDNEY APOLLO CLUB.
8.30 p.m.—"Leaps in Joy" (Chapman); "Grown" (Lones).
MADAME EMILY MARKS, soprano
8 p.m.—Monologue:
(a) "The Sea is His" (Uzzenweiler),
(b) "The Old Piano" (Thackery).
J. BRUNTON GIRL.
8.30 p.m.—Cantata, "Edukans" (Gersbachen).
ROYAL SYDNEY APOLLO CLUB.

- 9.15 p.m.—DURING THE INTERVAL AT THE CONSERVATORIUM with the HAYMARKET OPERATIC ORCHESTRA, conducted by Mr. Stanley Porter, will play.
8.35 p.m.—FROM THE CONSERVATORIUM HALL: The second part of the Concert by the ROYAL SYDNEY APOLLO CLUB:
Part Song, "The Sailor's Return" (Fletcher).
ROYAL SYDNEY APOLLO CLUB.
8.30 p.m.—Stock call, (a) "Dounica" (Tschaikowski).
(b) "Masurka" (Scriabin).
(c) "Impromptu" (Scriabin).
ALEXANDER SVERJENSKY.
9.40 p.m.—Part Song, (a) "A Lover's Complaint" (Covent).
(b) "The Camel and the Butterfly" (Norion).
ROYAL SYDNEY APOLLO CLUB.
9.45 p.m.—Song, (a) "Serenade" (Strauss).
(b) "Snowflake" (Mulligan).
MADAME EMILY MARKS.
9.54 p.m.—Character Study, "The Denonimational Garden" (Riel).
J. BRUNTON GIRL.
10 p.m.—Part Song, (a) "Hunting Song" (Mendelssohn).
(b) "Vintage Song" (Bartoldi).
ROYAL SYDNEY APOLLO CLUB.
10.15 p.m.—THE HAYMARKET THEATRE ORCHESTRA of 26 members, conducted by Mr. Stanley Porter.
10.15 p.m.—AL JACK'S CRACKERJACKS in Dance Music interspersed with Studio Items.
10.30 p.m.—Late news and announcements.
11 p.m.—"Big Ben."
AL JACK'S CRACKERJACKS in popular Dance numbers until 11.30 p.m.
11.30 p.m.—National Anthem.
Close down.

2BL, SYDNEY.

Wednesday.

EARLY MORNING SESSION.

- 1 a.m.—G.P.O. Clock and chimes. Metropolitan Weather Forecast.
7.2 a.m.—State weather report.
7.4 a.m.—News service.
7.45 a.m.—Fruit Market report.
7.50 a.m.—Vegetable Market report.
7.55 a.m.—A.M.L. & P.C. Co's report.
7.55 a.m.—Dairy Farm Produce Market report.
7.55 a.m.—Poultry Market report.
7.55 a.m.—G.P.O. Clock and chimes. Musical programme from the studio.
7.55 a.m.—News service.
7.55 a.m.—"Big Ben" in all by wireless.
7.55 a.m.—Mail information, shipping arrivals and departures, and Port directory.

- 7.15 a.m.—G.P.O. Clock and chimes. News service.
8 a.m.—G.P.O. Clock and chimes. Close down.

MORNING SESSION.

- 11 a.m.—G.P.O. Clock and chimes. Musical programme from Studio.
11.15 a.m.—Talk on "Bowls" by Miss Varley, Broadcasters' Women's Sports Authority.
Social Notes—Replies to correspondents by Mrs. Jordan. Talk by a member of the Dental Board on "Dental Hygiene."

AFTERNOON SESSION.

- 12 noon.—G.P.O. Clock and chimes. Special Ocean Forecast and weather report.
12.30 p.m.—Musical programme from the studio.
12.45 p.m.—Information—Mails, shipping, and port directory.
12.45 p.m.—Boats in all by wireless.
12.50 p.m.—Fruit Market report.
12.55 p.m.—Vegetable Market report.
12.55 p.m.—London Metal Market report.
12.55 p.m.—Dairy and Farm Produce Market report.
12.55 p.m.—G.P.O. Clock and chimes. Fance Market report.
12.55 p.m.—Fish Market report.
12.55 p.m.—Bullock Market report.
12.55 p.m.—News from the "Sun."
12.45 p.m.—Hilbert, Instrumental Quartet—direction—Caryl Cassidy.
1.30 p.m.—G.P.O. Clock and chimes. Talk to children and special entertainment for children in Hospital.
2 p.m.—G.P.O. Clock and chimes. Musical programme from Studio.
2 p.m.—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 chimes. News from Studio.
3.15 p.m.—Musical programme from the studio.
3.30 p.m.—G.P.O. Clock and chimes. Talk on "How to maintain your health" by Dr. Maurier.
3.50 p.m.—News from the "Sun."
4 p.m.—G.P.O. Clock and chimes. Musical programme from Studio.
4.15 p.m.—Serial Service.
4.35 p.m.—Music programme from the studio.
4.45 p.m.—News from the "Sun."
4.55 p.m.—Racing resume.
4.55 p.m.—Results of night's programme.
4.55 p.m.—Announcements and Whuts on. 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 Bass and the Kiddies.

- 6.30 p.m.—Musical programme from the studio.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. Clock and chimes. Australian Mercantile Land and Finance Co's report. Weather report and forecast by courtesy of Govt. Meteorologist.

- Producers' Distributing Society's Fruit and Vegetable Market report.

- 2 p.m.—The Country Music Club. Grain and Fodder report ("Sun").

- Dairy Produce report ("Sun").

- 7.15 p.m.—Country News from the "Sun."

- 7.30 p.m.—Talk by a member of the St. John Ambulance Brigade.

- 8 p.m.—G.P.O. Clock and chimes. Royal Australian Tropical Chorus.

- 8.30 p.m.—The Canterbury District Band (Bandmaster Mr. Stan Nichols) Broadcasts from Bakers Hall, Camperdown.

- 8.28 p.m.—Broadcasters' all-sports expert will talk on boxing.

- 8.35 p.m.—A concert arranged by Miss May Nancarrow, broadcast from Warrington Hall, Neutral Bay.

- Artists—
Miss Marjorie Pride (soprano).
Miss Mairi Barnes (contralto).
Miss May Nancarrow (soubrette).
Mr. Tom Williams (violinist).
Mr. Harry Allen (electro-cast).
11.30 p.m.—The Canterbury District Band.

- 9.35 p.m.—Items from Miss May Nancarrow's recital at Warringah Hall, Neutral Bay.



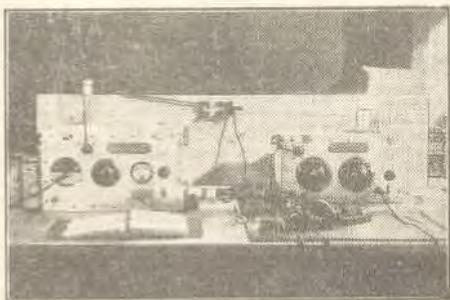
Burgess Batteries Saved Byrd.

Hopelessly lost in blinding fog and cloud 10,000 feet above the Atlantic, Commander Byrd wirelessed for directions. Promptly and clearly from steamers far below came the replies enabling him to steer for France. Only thus was a ghastly tragedy averted.

Byrd's Tribute

"We were in a great prison of darkness—the radio proved its value, showing that practical touch could be maintained with ships at sea, thereby assisting the aeroplane to keep its course—there is no doubt that radio will play a great part in the future of Trans-Atlantic Air Navigation."

(Extracts from Byrd's exclusive message to "The Sun.")



Burgess-Made

Byrd's magnificent radio plant for sending and receiving was designed in the great Burgess Laboratories, but his batteries were the famous Burgess Radio Batteries—identical with those used in his flight across the North Pole, and with those sold by every high class radio dealer throughout Australia at the new low price of 26/-

Burgess Radio Receivers and Batteries Used by Byrd.

New System Telephones Pty. Ltd.

Melbourne

280 Castlereagh Street, Sydney

Adelaide

Queensland Agency : Canada Cycle and Motor Agency (Q.) Ltd., Creek and Adelaide Streets, Brisbane. S.E.



Choking in Cotton Wool

Imagine a man choking with cotton wool in a huge strange room and groping in pitch darkness for a closed door which may be anywhere! If he does not find that door quickly he must collapse and perish quickly.

That was exactly the plight of Commander Byrd in his amazing Atlantic flight. Helplessly lost 10,000 feet above the ocean, closed in by fog and clouds, with driving rain slowly freezing on his plane, and certain death awaiting the last of his petrol!

Again imagine the glorious relief of the choking man in the dark room when a friendly hand throws open the door and he stumbles, gasping, into safety.

That was precisely the manner of Byrd's salvation when his Burgess radio equipment and Burgess batteries saved him and his two friends.

Desperately he had sent out his radio appeals. Clearly and strongly they reached the operators on ocean liners far below and instantly they responded.

From every quarter came the vivid directions which gave Byrd his exact bearings and sent the huge plane straight through the blinding fog toward safety.

Small wonder that when his forty-three hours of agony ended and Byrd was surrounded by admirers, almost his first words were a fervent tribute to the Burgess equipment and batteries, which had not only saved his plane and all in it, but had marked a new epoch in direction-finding at sea.

While the magnificent radio equipment was specially designed in the great Burgess Laboratory, the Burgess batteries used were those sold daily in Australia by all high-class dealers and distributed by New System Telephones Pty., Ltd., 280 Castlereagh Street, Sydney.

Burgess batteries were used by Byrd in his wonderful flight across the Pole and in his great trans-Atlantic voyage. They will be used again when he hops off for the South Pole. Always they lead the world to new adventure and heroic achievement.*

10.15 p.m.—Cec Morrison and his Ghouchooers broadcast from the Hallucia of the Bandit Gismo. Darling interval between dances "Swish" news will be broadcast.
11 p.m.—G.P.O. Clock and chimes.
National Anthem.

12.30 p.m.—WILL HOWARD. Comedian: "I Don't Work for a Living." "Tinpan Jim."
12.37 p.m.—Stock Exchange Information.
12.49 p.m.—STUDIO ORCHESTRA:
Selection, "The Wool of Hulman."
12.56 p.m.—MARION LIGHTFOOT, Banjo Soloist: "Peggy Alice."
12.57 p.m.—VERONICA COX, Soprano: "The Almond Tree," Schubert; "Chanson Irlandaise," Koralawala.

12.58 p.m.—STUDIO ORCHESTRA:
Selection, "Lucie de Lammermoor."

1.11 p.m.—Maternalistic Information, Shipping Intelligence, Weather Forecast for Victoria, South Australian Towns and New South Wales; Ocean Forecast, River Reports.

1.20 p.m.—TASMA TIERMAN, Cellist: "Allegretto," (Mozart); "Andante," (Gluck).

1.24 p.m.—VERONICA COX, Soprano: "The Little Danube"; "Two Brown Eyes."

1.25 p.m.—MARION LIGHTFOOT:

Parisi Mélodie.

1.27 p.m.—STUDIO ORCHESTRA:

Selection, "The Dollar Princess," (Fall); 1.30 p.m.—FRANK AND FRANCES LUDZIK, Australian Entertainers: "Close Down."

2.00 p.m.—Description of Hurdle Bay, 2 miles, BALLARAT MINES, by "Munster," of "The Sporting Globe."

2.25 p.m.—Close Down.
2.30 p.m.—Description of Waller Handien, 4 miles, BALLARAT MINES, by "Munster," of "The Sporting Globe."

2.38 p.m.—Close Down.

MORNING SESSION.

9 a.m.—Music
9.10 a.m.—"Cheerful" Tally
9.15 a.m.—Music
9.25 a.m.—Psychological Clinic
9.40 a.m.—Music
9.45 a.m.—Health and Diet
10 a.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—Music
3.37 p.m.—Talk.
3.45 p.m.—Music
4.10 p.m.—Talk
4.20 p.m.—Music
4.30 p.m.—Close down.

EVENING SESSION.

6.20 p.m.—Children's Session.

7 p.m.—Music
7.55 p.m.—Talk.

7.56 p.m.—Beneficence.

7.59 p.m.—Talk.

7.59 p.m.—Admonitions.

7.59 p.m.—Musical Instrumental Trio: DAN SCULLY, MURIELLE LANG, ADA BROOK.

8.50 p.m.—Address.

1 "My Shine" (Bacchus).

1 "We're for a Night Song" (Martin).

1 "Cello Solo by MURIELLE LANG: "Andante from Concerto" (Molteni).

1 "Arioso" (Clement Hosking Quartette).

1 "Elsie Brown, Eva Croft, THOS. HALL, CLEMENT HOSKING:

1 "Bells of Eve."

1 "All Aboard the Marley."

8.46 p.m.—Violin Solo by MONICA HODGE: "Andante from Concerto" (Bruch).

8.52 p.m.—Songs by ELSIE BROWN:

1 "Morning Star" (Clement Hosking).

1 "Shepherd, thy delectour vary" (Brown).

1 p.m.—Recitation by MR. WALTER HUNT.

8.16 p.m.—Duets for two violins with piano accompaniment: DAN SCULLY, MONICA HODGE, ADA BROOK.

8.26 p.m.—Clement Hosking Quartette:

"Requiem in C Minor" (Orfeo).

ELSIE BROWN, EVA CROFT, THOS. HALL, CLEMENT HOSKING.

8.35 p.m.—Musical Monologues by J. K. POWELL.

8.46 p.m.—Song by CLEMENT HOSKING:

1 "Blow, thou winter wind" (Shakespeare).

1 "Come to the falt" (Martin).

8.58 p.m.—Talk.

10 p.m.—Close down.

AFTERNOON SESSION.

3.00 p.m.—Description of Nevine Handien, 1½ hours, BALLARAT MINES, by "Munster," of "The Sporting Globe."

3.5 p.m.—STUDIO ORCHESTRA:

Selection, "Faust," (Gounod).

3.15 p.m.—JACK O'BAGANAN:

"I'm Bound to Make My Dream Over You," "The Girl in the Girl."

3.22 p.m.—STUDIO ORCHESTRA:

Nocturnal Piece (Schumann).

"Minuet" (Beethoven).

3.30 p.m.—Description of Julie Novier, 1 mile, BALLARAT MINES, by "Munster," of "The Sporting Globe."

3.30 p.m.—D. FLOYD, Organ Recital:

"Adagio Religioso in D" (Henry Smart).

"The Faun" (Choir in A) (Salomé), "Sketch in F" (F., T. Chipp).

3.36 p.m.—STUDIO ORCHESTRA:

"Egyptian Impressions" (Cristi).

4.00 p.m.—Description of Novelty Tops Race, 1½ miles, BALLARAT MINES, by "Munster," of "The Sporting Globe."

4.00 p.m.—Forest Lullaby" (Haydn).

"Cuckoo" (Sheep).

4.17 p.m.—RICHARD CHUSS, Flute:

"Prelude" (Bach).

4.26 p.m.—STUDIO ORCHESTRA (Hoyle):

"Song of the Wanderer."

4.30 p.m.—Description of Flynn Handien, 1½ hours, BALLARAT MINES, by "Munster," of "The Sporting Globe."

4.38 p.m.—STUDIO ORCHESTRA:

"The Army" (Brahms).

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

5.00 p.m.—Close Down.

EVENING SESSION.

CHILDREN'S HOUR
R.A.C.V. Safety Message for today for EVERYBODY—We are born with two eyes and one tongue, in order that we should see twice as much as we say."

5.10 p.m.—Letters to Children and Birthday Greetings by "MARY MARY."

6.00 p.m.—STUDIO ORCHESTRA:

"Spider Dance" (Greenfield).

6.17 p.m.—MARION LIGHTFOOT, Soprano:

Will sing two little songs for the children.

6.15 p.m.—MISS M. SHEPPARD has some strange tales to tell the children.

3LO, MELBOURNE.

Wednesday.

MIDDAY SESSION.

12 noon—Time Signals, Metal Prices received by the Australian Metal Price Association from the London Stock Exchange this day; British Official News from Rugby; Reuters' and the Australian Press Association Cables; Arctic News Service.

12.20 p.m.—STUDIO ORCHESTRA:
Selection, "Maribah" (Moses Tabin).

8.55 p.m.—MARION LIGHTFOOT, Banjo: "On the Mill Dam."

8.40 p.m.—Official Report of Newcastle Stock Salesmen before the Association of Agricultural, Stock and Trading Agents of Melbourne, Bourke Street, Melbourne.

8.45 p.m.—Herald News Service: Weather and Aerial Mail Information, by the Australian Services Ltd.

8.47 p.m.—Stock Exchange Information.

8.52 p.m.—Fish Markets Reports by J. R. Borrell, Ltd., Rabbin Freres.

8.55 p.m.—River Reports.

7.5 p.m.—Market Reports of Fruit, by the Victorian Fruiteers' Association, compiled by the "Fruit World," exclusive to 2LQ.

NIGHT SESSION.

7.15 p.m.—Under the auspices of the AGRICULTURAL DEPARTMENT:

MR. H. CROWE, Exports Superintendent, will speak on "Marketing Methods."

7.30 p.m.—MR. H. M. FRAY will speak on "Agricultural Foodstuffs."

7.45 p.m.—CAPTAIN PETERS:

"Books, Wise and Otherwise."

8.0 p.m.—PRAHAN CITY BAND:

March, "The Infantry" (Code).

Overture, "La Coquette" (Laurent).

8.10 p.m.—MR. H. E. F. LAMPE will speak on "Blimpoids,"

"The Regent."

8.15 p.m.—ISABEL BIDDEL, Contralto: "Margaret at the Spinning Wheel" (Schubert).

8.30 p.m.—PRAHAN CITY BAND:

Court Scene, "Where My Unknown Has Rested" (Lohe).

Entr'acte, "Love in a Mist" (Rimmer).

Popular Number, "Just a Bird's Eye View" (Donaldson).

8.45 p.m.—DONALD McBEATH, Violin:

"Siegfried Heimlich" (Kreisler).

Liesegren (Kreisler).

8.52 p.m.—Announcements. The Royal Automobile Club of Victoria's Safety Message for Children for EVERYBODY!

"We are here with two eyes and one tongue, in order that we should see twice as much as we say."

9.0 p.m.—PRAHAN CITY BAND:

March, "On Many Shores" (Code).

Month Organ Solo, by Bandman W. Bell.

9.15 p.m.—AGNES FORTUNE, Piano:

"Piano with Its Five Thousand Tempos."

9.25 p.m.—CAERIE CAIRNDUFF, Soprano:

"Cherry Pie" (Horn).

"The Lass With a Delicate Air" (Arne).

9.30 p.m.—AGNES FORTUNE, Piano:

"Minuet" Song (Meodelesohn).

"Schlaf" (Grieg).

9.45 p.m.—NORMAN BRADSHAW, Tenor:

"Spirit Gentil-La Favorita" (Donizetti).

"All Souls Day" (Lassen).

9.49 p.m.—ONE ACT PLAY:

"A Love and Dentistry."

Helen _____ Dorothy Denecky

Gerald _____ Claude Hall

10.5 p.m.—ISABEL BIDDEL, Contralto:

"Autumn Storms" (Grieg).

"Fairy Pipes" (Brewer).

10.12 p.m.—PRAHAN CITY BAND:

"The Moonlight Castle" (Code).

10.19 p.m.—CAERIE CAIRNDUFF, Soprano:

"My Mother Hid Me Under My Hair" (Haydn).

"Two Brown Eyes" (Grieg).

10.26 p.m.—ARGUS NEWS SERVICE: Announcements.

10.31 p.m.—NORMAN BRADSHAW, Tenor:

"The Pathway thru the Heather" (Edith Barry).

"In An Old Fashioned Town" (Squire).

10.48 p.m.—JOE ARONSON AND HIS SWINGING SYMphonISTS:

"In a Wonderland World After All" (Davis).

"In Little Garden" (Yule).

"Mary Lou" (Glanian).

"No Pouting" (Owens).

"Indian Love Call" (Primi).

"Rose Marie" (Primi).

"Glamour & Little King Will Ya, Hub?" (Turk).

"Any Ice To-day, Lady" (Bellard).

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Charger

THE BALKITE TRICKLE CHARGER.

And your "A" Battery supply "A" current from the light socket.

Model K.—The Balkite Trickle Charger is probably the most popular of all chargers for "A" batteries. During the last radio season, when it was first put on the market, over 200,000 were purchased and are now in service.

Once connected to your "A" battery the Balkite Trickle Charger may be left on permanent or trickle charge. Instead of operating intermittently at a high rate it operates continuously at a low rate, automatically keeping the battery at full power.

The Balkite Trickle Charger thus practically eliminates the attention usually required by the battery. In effect it converts your "A" battery into a complete power unit that supplies "A" current from the light socket.

It is noiseless in operation, so that in most instances it can be used during reception. It is very compact and small, and its current consumption is very low—approximately $\frac{1}{2}$ to $\frac{1}{3}$ ampere per hour of reception.

This charger can be used as a trickle charger with any 6-volt "A" battery. With 4-volt batteries it can be used as an intermittent charger of the usual type. Or as a trickle charger, if a resistance is added to cut down the charging rate. The charging rate is approximately 5 amperes. Operates from 220-240 AC and 50 cycles.

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AND NICHOLL)37-39 Pitt St., Sydney. 516 Collins St., Melbourne.
W. E. PETERMAN, 186 Edward St., Brisbane.

11.6 p.m.—OUR GREAT THROUGHT:

JONES was courageous people have very little to say about either their courage or their honesty. The sun has no need to boast of his brightness."

Roses Bailey

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

11.45 p.m.—GOD SAVE THE KING.



Better reception at less cost

Columbia Heavy Duty "B" Batteries do two things—they last twice as long, under the same conditions, as light duty batteries and they greatly improve the reception.

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3AR, MELBOURNE

Wednesday.

MORNING NEWS SERVICE

11.0 a.m.—12 noon.

MIDDAY CONCERT SECTION

Programme Selection by Mr. Geoffrey Hayes,
12.15 p.m.—Entertained by Panatone House,
252 Collins Street (by exclusive permission
of Wills and Paton, Ltd.), on the Brunswick
Panatone.

1.0 p.m.—Close Down.

MATINEE SESSION, DANCE CONCERT

Saturday—During the afternoon the results of the Ballarat Miners Races will be given as they come in hand by hand.
2.30 p.m.—Studio Orchestra.
2.35 p.m.—Ayars Dancers.
3.10 p.m.—Mr. Ernest Pfeiffer, Saxophone:
"Saxophone Fantasie" (Roschrock),
3.14 p.m.—Studio Orchestra.
3.30 p.m.—Mr. Fred Champion, Humorous Entertainer.
3.45 p.m.—Mr. J. G. F. of Punishment Privately featured.
3.55 p.m.—Astor Dunstans.
3.56 p.m.—Miss Ethel Brearley, Piano:
"My Lady's Jester" (Lehmann).
4.0 p.m.—G.P.O. Clock says "Four."
4.1 p.m.—Mid Weather Forecast.
4.4 p.m.—Studio Orchestra.
5.0 p.m.—Mr. Fred Champion, Humorous Entertainer.
5.10 p.m.—Mr. Fred Champion, Humorous Entertainer: "More Merry Moments from Franklin's Furious Fun-doctor."
4.28 p.m.—Ayars Dancers.
4.38 p.m.—Mr. Herbert Pfeiffer, Violin:
"Belvoir" (Bohm).
4.45 p.m.—Studio Orchestra.
4.50 p.m.—"Gumtree Sketch" (White).
4.55 p.m.—To-night's Entertainment.
5.0 p.m.—G.P.O. Clock Says "Five": Close Down.

CHILDREN'S SESSION.

6.00 p.m.—The Farosynd Fire, transmitted from Kookaburra Gully, the SAX Up-country Station. "Jimmy Jackeroo and His Pals."

EVENING SESSION.

OLD TIMERS NIGHT. Held in Smith's Barn, Emu Plains.
7.00 p.m.—Football Prospects by
"The Four".
7.50 p.m.—Market Reports, Notices.
8.0 p.m.—G.P.O. Clock Says "Eight."
8.1 p.m.—Mr. Walter Quirk, Solo Pianist;
"Gala de Concert" (Sydney Smith).
8.4 p.m.—Miss Minnie Marks, Soprano;
"Home Sweet Home" (Bishop).
"Sweet Melody" (Foster).
8.12 p.m.—Wayback Dance Band, Take Partners for the "Royal Irish Quadrille" (Julien). Mr. S. Raach acting as M.C.
8.27 p.m.—The Lieder Four, Vocal Male Quartette. Mr. Harry Fletcher, Tenor; Mr. James Scott, Bass; Mr. Ralph Thompson, Tenor; Mr. Joseph Widowa, Tenor; "Swanee River" (Foster).
8.34 p.m.—Mr. Sammy Sundown, Cossertina: "Walz' Prise" (Delo).
"Upsilon Souvenir Schottische" (Erickson).
8.40 p.m.—Mr. James Scott, Bass;
"The Blue Danube" (Croatian).
8.49 p.m.—Wayback Dance Band.
"The Blue Danube Waltz" (Strauss).
8.57 p.m.—Meers, Fleischman and Thompson, duet;
"Larboard Watch" (Williams).

9.30 p.m.—Interval, in which 3AR insist on crossing back to the Studio. Miss Hughes, Missionary from China, who is at present home on Furlough. Talk on "Her Travels in China."

9.35 p.m.—Cross over to Coomera Gully Mechanics Institute for the Double Wedding, varieties by Harcourt-Bell's, two Real Lantern and Joe Griggler, Specimens and Items broadcast from the wedding breakfast. The guests invited include: Mr. and Mrs. Silverberg, Mr. and Mrs. Scarsifer, Mr. and Mrs. Merino, Mr. F. Durcan, Mr. Daniel Murray, Grandpa Invernor, Mr. J. H. Martin, Mr. A. McMillan, Mrs. E. Tinkle, Miss Martha McGeough and Miss Hilda Highcroft.

10.0 p.m.—G.P.O. Time says "Ten" "Age" News Bulletin. Crossing to the Barn at Emu Plains again.

10.5 p.m.—Wayback Dance Band. Mr. Routh, etc., Take partners for "The Royal Navy Albert Quadrille" (Saunders).

10.23 p.m.—Mr. Ralph Thompson, Baritone: "The Village Blacksmith" (Whales).
10.25 p.m.—Mazeur, Widowers and Scott, Duo: "The Butter Eve" (Bouchar).

10.37 p.m.—Miss Minnie Marks, Soprano: "The Moon Rose" (White).
"I Dreamt That I Dwelt" (Balfe).

10.44 p.m.—The Lieder Four: "Robin Adair" (Ode English).
"The Day" (Farwell).

10.51 p.m.—Wayback Orchestra: "Berndance" "Pavane" (Morris).
Polka "Curry Up" (Holl).

10.56 p.m.—The Company: "And Lang Syne".

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

4QG, BRISBANE.

Wednesday.

EARLY MORNING SESSION.

6.30 a.m.—Physical culture session.

7 a.m.—Close down.

MIDDAY SESSION.

1 p.m.—Market reports. Weather Information, "The Daily Mail" and "The Daily Standard" news.

FROM THE G.P.O.—

1.15 p.m.—lunch hour music played by the Postal Institute Orchestra.

FROM THE OBSERVATORY—

1.35 p.m.—Standard time signal.

2 p.m.—Close down.

AFTERNOON SESSION.

FROM HOTEL CARLTON—

3.30 p.m.—Afternoon Tea music from the lounge, played by Hotel Carlton Symphony Orchestra.

FROM THE STUDIO—

4 p.m.—Beauty Talk by Dorothy Webster.

4.15 p.m.—"Telegraph" news.

4.30 p.m.—Close down.

EARLY EVENING SESSION.

6 p.m.—"Daily Standard" news. Announcements.

6.15 p.m.—Lecture: "Forty Years On and Forty Years On"—by a Queensland Jackaroo for the Queensland Preference League.

6.30 p.m.—The Children's Hour!

6.45 p.m.—"The Old Folks' Home."

7 p.m.—Market reports. Stock reports.

7.30 p.m.—Weather news. Announcements.

7.45 p.m.—Standard time signal.

7.45 p.m.—Lecture: "Guaranteed Farm Prosperity" by Mr. F. O. Boworth (Queensland Agricultural High School and College).

NIGHT SESSION.

"A LIFE ON THE OCEAN WAVE." The whole of to-night's programme will be nautical in character, and will include songs and music of the sea.

8 p.m.—March, "A Life on the Ocean Wave"; "Lament" the Federal Band (conductor Mr. W. H. Davis) bass solo, "Rocked in the Cradle of the Deep" (Knight), Mr. J. P. Unwin—selection No. 1, "Song of the Sea" (Rimmer), the Federal Band; contralto solo, "Three Fishers" (Ballath), Miss Laura Loch; "Song of the Waves" (Rosen), the Federal Band; tenor solo, selected Mr. Gen. Williamson; selection No. 2, "Song of the Sea" (Rimmer); the Federal Band; soprano solo, "My Ship" (Del Rio), Mrs. L. Hunter; song march, "Song of the Sea" (Codes), the Federal Band.

9 p.m.—Metropolitan Weather forecast.

9.30 p.m.—Interlude, "But Oh! The Little Corte Bassa."

9.30 p.m.—Orchestral, "A Nautical Fantasy" (Purcell), the Studio Orchestra (conductor, Mr. A. R. Weatherstone); soprano solo, "When My Lips Come Sailing Home" (Dore), Mrs. E. Hunter; selection "The Man That Loves" (Mulligan), the Studio Orchestra; bass solo, "Reuben Hains' Last Stand"; Mr. J. P. Cornwell; contralto solo, "The Glory of the Sea" (Sanderson), Miss Laura Loch; characteristic, "Live on Board a Man o' War" (Armand), the Studio Orchestra; tenor solo, selected Mr. Gen. Williamson; march, "The Old Salt" (Hilbreth), the Studio Orchestra.

10.15 p.m.—"The Daily Mail" news, Weather report.

FROM THE EXHIBITION HALL—

10.30 p.m.—Catholic Bell—dance music,

11 p.m.—Close down.

5CL, ADELAIDE.

Wednesday.

MORNING SESSION.

12 noon.—Chimes.
12.15 p.m.—Studio Music.
12.45 p.m.—"Advertiser" news service and Market reports.
1.45 p.m.—Studio Music.
1 p.m.—"Advertiser" news service.
1.15 p.m.—Studio Music.
2 p.m.—Chimes, Stock Exchange Intelligence, Official Weather Bulletin. Close down.

AFTERNOON SESSION.

2 p.m.—Chimes.
2.15 p.m.—Relay from the Maple Leaf Cafe—Orchestra selections.
3.45 p.m.—Studio Music.
4 p.m.—Chimes.
4.15 p.m.—Relay from Arcadia Cafe—Orchestra selections.
4.45 p.m.—Station announcements.
5 p.m.—Chimes and close down.

Evening Session.

6 p.m.—Chimes.
6.15 p.m.—Covent Garden Dinner Music.
6.45 p.m.—Children's Entertainment.
7.30 p.m.—Market reports, Stock Exchange Intelligence, Retail Grocers' report, Automobile Association Bulletin.
7.45 p.m.—Boy Scouts' Corner.
7.55 p.m.—Fuddling's Scientific Talk.
8 p.m.—Chimes.
8.15 p.m.—Relay from The All-British Motor House:
The Magill Silver Band,
Australian Artists.
Mrs. Keith Deller (soprano),
Mrs. Hobart James (contralto),
Broadland Roche (tenor),
Don Fraser (comedian).
8.30 p.m.—Motor Talk by "Accelerator."
8.45 p.m.—Relay the Magill Silver Band.
9.15 p.m.—Warder Bulletin and Delgety's Weather Report.
9.30 p.m.—Relay the Magill Silver Band.
10 p.m.—"Advertiser" news service.
10.15 p.m.—Relay Magill Silver Band.
10.30 p.m.—Station announcements, Weather Bulletin.
11 p.m.—Chimes, National Anthem.



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7ZL, HOBART

Wednesday.

MORNING SESSION.

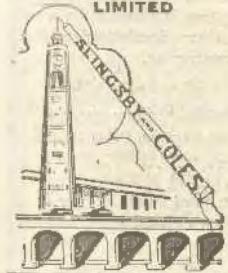
- 11 a.m.—Chimes and time in.
11.1 a.m.—Time by selection.
11.6 a.m.—British official wireless news.
11.6 a.m.—"Mercury" news service.
11.80 a.m.—Shipping information. Ships within wireless range.
11.85 a.m.—Mail news. Commercial news, Foreign exchange market. Housewives' guide.
12.40 a.m.—Musical selections.
12.50 a.m.—Sporting anticipations.
12.55 a.m.—Tasmanian stations weather reports.
12 noon—Close down.

AFTERNOON SESSION.

- 2 p.m.—G.P.O. clock chimes.
2.1 p.m.—Time to items.
2.5 p.m.—Items of interest. Announcements.
3.15 p.m.—Musical items from the Studio.
3.30 p.m.—Social calendar from "Illustrated Tasmanian Mail." Musical items continued.
3.45 p.m.—Educational calendar from "Mail."
4 p.m.—Story from "Mail."
4.25 p.m.—Hobart Stock Exchange quotations. Weather forecast.
4.30 p.m.—Close down.

EARLY EVENING SESSION.

- 6.30 p.m.—"Big Brother" chats to his pals.
7 p.m.—Story from "Illustrated Tasmanian Mail." Birthday greetings.

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Headphones, New System, 500 pair
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but ONLY 15/- pair
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NIGHT SESSION.

- 7.26 p.m.—Musical selection.
7.35 p.m.—Talk by Mr. T. Philip, chief veterinary officer, Tasmanian Government, subject: "Swine Fever."
7.50 p.m.—"Mercury" special Tasmanian news service.
7.55 p.m.—Railway auction produce sales. Hobart Stock Exchange quotations. Sports results.
7.57 p.m.—Auktions and stock market reports through the courtesy of Roberta and Co., Ltd., Murray Street, Hobart.
8 p.m.—G.P.O. clock chimes.
8.15-9.30 p.m.—Orchestral selection by 7ZL orchestra, interspersed with items by Mr. Goo Muir (tenor), Mrs. S. Saunders (accompanist), Miss Dulcie Tate (recitation).
9.31 p.m.—British official wireless news. Tasmanian district weather reports.
9.35 p.m.—Weather synopsis. Station announcements.
10 p.m.—Close down.

1.55 p.m.—Last minute sporting information by the F.G.C. Racing Commissioner.
2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- 3 p.m.—"Big Ben" and announcements.
3.15 p.m.—Studio music.
3.30 p.m.—Marching music for school children.
3.40 p.m.—JEANETTE ROONEY, contralto: "The sweetest flower that blows" (Handel).
3.45 p.m.—SHEILA MURRAY, soprano:
3.50 p.m.—DAVID GALL, soprano:
"One Fine Day" (Fuccini).
3.55 p.m.—Studio music.
4 p.m.—KATHLEEN HORNE, soprano:
"Dawn, Gentle Flower" (Bennett).
4.15 p.m.—Studio music.
4.16 p.m.—MAVIS GALL, soprano:
"By the Waters of Minnetonka" (Linen-
nec).
4.15 p.m.—Studio music.
4.30 p.m.—JEANETTE ROONEY, contralto:
"Where the Alana Flows" (Woodforde-Fin-
den).
4.35 p.m.—Studio music.
4.40 p.m.—LILY HANCOCK, soprano:
"The Garden of your Heart" (Doris).
4.45 p.m.—Studio music.
4.49 p.m.—KATHLEEN HORN, soprano:
"Piper Jones" (Carey).
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Studio music.
4.52 p.m.—LILY HANCOCK, soprano:
"Sommer" (Loher).
4.55 p.m.—Studio music.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

- Announcer A. S. COCHRANE.
6.45 p.m.—The Chimes of 2FC.
6.50 p.m.—The "Hello Man" talks to the children.
6.55 p.m.—Miss Edith Harry will sing songs and stories for children.
6.59 p.m.—A serial story for the young folk.
6.40 p.m.—Dinner music.
7 p.m.—"Big Ben." Late sporting news.
7.10 p.m.—Delight's Market Reports (wool, wheat and stock).
7.15 p.m.—Fruit and vegetable markets.
7.20 p.m.—Weather and shipping intelligence.
7.26 p.m.—Late "Evening News" news ser-
vices.

NIGHT SESSION.

- Accompanist EWART CHAPPLER.
Announcer A. S. COCHRANE.
7.45 p.m.—Programme announcements.
7.45 p.m.—PEGRAM ST. ANDREW'S CATH-
DRAL, SYDNEY: An Organ Recital by the well-known English Organist, DR. HAIGH:
(a) "Concerto in D Minor" (Handel).
(b) "Scherzo" (Vierne).
8 p.m.—"Mike" announces the programme.
8.2 p.m.—DR. HAIGH, organist:
(a) "Psa. 130" (Hervé).
(b) "Passacaglia" (Bach).
8.22 p.m.—EDITH HARRY, the well-known Welsh Pianist-Composer:
8.26 p.m.—DR. HAIGH, organ solos:
(a) "Coriolis" (Debusky).
(b) "Reve Angelique" (Hubertini).
8.35 p.m.—EDITH HARRY, Welsh Pianist-
Composer.
8.45 p.m.—FROM ST. ANDREW'S CATHE-
DRAL, SYDNEY:
DR. HAIGH, organist:
(a) "Theme with Variations" (Haigh).
(b) "Rondo" (Hollins).
9 p.m.—"Big Ben."
EDITH HARRY, Welsh Pianist-Composer.
9.5 p.m.—FROM THE MOSMAN TOWN
HALL: The second set of the "ARCA-
DIANS" (by arrangement with J. C. Wl-
liamson), produced by the MOSMAN MUSICAL SOCIETY.
Act II. Musical numbers:
Opening chorus: "There all over har the
showing," The Company.
Song and chorus, "Rock your Fancy" L.
Parker.
Song and chorus, "The Girl with a Brogue,"
Clarice Morgan.
Chorus, The Company.

Thursday, July 21
2FC, SYDNEY

EARLY MORNING SESSION.

- Announcer LAURENCE BALDERT.
6 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.
7.30 a.m.—Investment market, mining share market, metal quotations.
7.35 a.m.—Wool sales, breakfasts' markets, interstate markets, produce markets.
7.45 a.m.—Sydney Morning Herald" sum-
mary.
8 a.m.—"Big Ben." Close down.

MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Studio music.
10.15 a.m.—"Sydney Morning Herald" news service.
10.30 a.m.—Studio music.
10.35 a.m.—Talk by the 2FC Racing Com-
missioner.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben."
Marching music for school children.
11.15 a.m.—A.P.A. and Reuter's Cabin Services.
11.16 a.m.—Studio music.
11.18 a.m.—A. Reading.
11.30 a.m.—Close down.

MIDDAY SESSION.

- Announcer LAURENCE BALDERT.
Accompanist EWART CHAPPLER.
11.30 a.m.—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange, first call.
12.25 p.m.—Official weather forecast, rainfall, temperatures.
12.35 p.m.—Studio music.
12.39 p.m.—Summary of "Sydney Morning Herald" news service.
Rugby wireless news.
12.55 p.m.—Studio music.
12.58 p.m.—Marching music for school children.
12.45 p.m.—DORRIE CARROLL, mezzo:
"The Siren's Song" (Kern).
12.45 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.15 p.m.—"Evening News" midday news ser-
vice.
Producers' Distributing Society's Report.
1.20 p.m.—Studio music.
1.25 p.m.—Stock Exchange, second call.
1.28 p.m.—Marching music for school children.
1.40 p.m.—DORRIE CARROLL, mezzo:
"On the City Wall" (Loher).
1.44 p.m.—Studio music.

Song, "Aeally is ever young." Violet Rogers.
 Song, "Somewhere," C. Liddell.
 Duet, "Charming Weather," Clares Morgan
 and Richard Parry.
 Picture, "The boy's cut out." The Company.
 10 p.m.—FROM THE STUDIO:
 The Honolulu Trio in popular melodies.
 10.30 p.m.—Celebrity records.
10.30 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA.
 Conductor, Mr. Frederick Leighton.
10.42 p.m.—THE HONOLULU TRIO,
 Hawaiian Melodies.
10.45 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA.
 10.57 p.m.—Late news and announcements.
 11 p.m.—"Big Ben."
THE WENTWORTH SYMPHONIC DANCE ORCHESTRA, conducted by Mr. Frederick Leighton.
 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.
 7.22 a.m.—Metropolitan Weather report.
 7.44 a.m.—News service.
 7.55 a.m.—G.P.O. Clock and chimes. Fruit Market report.
 7.56 a.m.—Vegetable Market report.
 7.59 p.m.—A.M.L. and F. Co.'s report.
 7.59 a.m.—Dairy Farm Produce Market report.
 7.59 a.m.—Pork Market report.
 7.59 a.m.—G.P.O. Clock and chimes. Musical programme from the studio.
 7.59 a.m.—News service.
 7.41 a.m.—Boats in call.
 7.43 a.m.—Mail information, shipping arrivals and departures, and Port directory.
 7.45 a.m.—News service.
 8 a.m.—G.P.O. Clock and chimes. Close down.

MORNING SESSION.

10.00 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.
 11.30 a.m.—Musical programmes from the studio.
 11.45 a.m.—Social Notes. Replies to correspondents by Mrs. Jordan. Talk on "House cleaning made easy" by Mrs. Jordan.
 12 noon.—G.P.O. Clock and chimes. Special Ocean forecast and weather report.
 12.13 p.m.—Musical programme from the studio.
 12.15 p.m.—Information—Mails, Shipping, and Post directory.
 12.18 p.m.—Boats in call by wireless.
 12.20 p.m.—Fruit Market report.
 12.22 p.m.—Vegetable Market report.
 12.26 p.m.—Dairy Farm Produce Market report.
 12.30 p.m.—G.P.O. Clock and chimes. Picture Market report.
 12.32 p.m.—Pub Market report.
 12.34 p.m.—Rabbit Market report.
 12.36 p.m.—News from the "Sun."
 12.45 p.m.—Billiken Instrumental Quartet—direction, Billie Caslin.
 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."
 3 p.m.—G.P.O. Clock and chimes. News from the "Sun."
 3.15 p.m.—Musical programme from the studio.
 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.—Country Women's Section.
 4 p.m.—G.P.O. Clock and chimes. Musical programme from studio.

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Symphony
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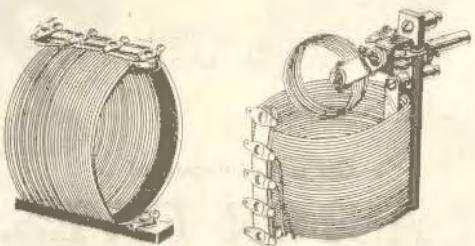
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4.15 p.m.—Social Story.
4.35 p.m.—Musical programme from the Studio.
4.45 p.m.—News from the "Sun."
4.55 p.m.—Racing resume.
4.55 p.m.—Results of night's programme.
4.54 p.m.—Announcements and What's on.
4.54 p.m.—Special Ocean Forecast.
5 p.m.—G.P.O. Clock and chimes. Close down.

EARLY EVENING SESSION.

5.15 p.m.—G.P.O. Clock and chimes.
Casper and the King. Uncle Casper and the King.
6 p.m.—The pupils of Miss Monica Beatty 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 Govt. Meteorologist.
Producers Distributing Society's Fruit and Vegetable Market report.
Stock Exchange report.
Brain and Poddor report ("Sun").
Drapers' Trade news from the "Sun."
5.15 p.m.—Country news from the "Sun."
Weekly traffic Bulletin.
7.30 p.m.—Talk on "Architecture of St. Mary's Cathedral" by Mr. Rupert Marsham, R.E.
7.45 p.m.—Talk on "Post War Finances" by Mr. Holman.
8 p.m.—G.P.O. Clock and chimes.
Broadway Forum.
8.3 p.m.—A lecture broadcast from the King's Hall, to be delivered by Hon. W. A. Holman, M.C., Subject: "Post War Finance."
8.30 p.m.—The Marrickville Salvation Army Band (Bandmaster Mr. H. Knight).
8.50 p.m.—Miss Grace Quine (descriptive artist).
8.57 p.m.—Resume of following day's programme.
9 p.m.—G.P.O. Clock and chimes.
Weather report and forecast by courtesy of Mr. C. J. Mars, Govt. Meteorologist.
9.2 p.m.—Wart League and Will Kenny in a special singing and laughing act.
9.25 p.m.—Mr. Alfie Flaherty (electoralist).
9.28 p.m.—Mr. Bert Peacock (politician).
9.35 p.m.—The Marrickville Salvation Army Band.
9.55 p.m.—Miss Grace Quine.
10.15 p.m.—Mr. Alfred Fitzherib.
10.30 p.m.—Mr. Bert Peacock.
10.45 p.m.—Cecil Harriern and his Gloriemous broadcast from the balcony of the Royal Casino. During intervals between dances "Sun" news will be broadcast.
11 p.m.—G.P.O. Clock and chimes.
National Anthem.

2GB, SYDNEY

Thursday.

8 a.m.—Music.
8.30 a.m.—"Glorious" Talk.
9 a.m.—Music.
9.30 a.m.—Talk.
9.40 a.m.—Talk.
9.45 a.m.—Health and diet.
10 a.m.—Close down.
10.30 p.m.—Music.
10.37 p.m.—Address.
10.55 p.m.—Music.
11 p.m.—Address.
11.25 p.m.—Music.
11.50 p.m.—Close down.

3LO, MELBOURNE.

Thursday

MIDDAY SESSION
12 noon.—Time signal. Metal prices received by The Australian Mines and Metals Association from the London Stock Exchange this day. British Official Wireless news from Rugby, Reuters and The Australian Press Association cables.

12.15 p.m.—Under the auspices of the Concert-goers and Community Singers' Association—COMMUNITY SINGING. Transmitted from the ASSEMBLY HALL, Collins-street.
1.15 p.m.—Meteorological information. Shipping Intelligence. Weather synopsis for Victoria, South Australia, Tasmania and New South Wales. Ocean forecast. River reports.

2 p.m.—Description of Highweight Handicap, 4 furlongs, BALLARAT MINERS' RACES, by "Musket" of "The Sporting Globe."

2.35 p.m.—Close down.

3.30 p.m.—Description of Second Novice Handicap, 5 furlongs, BALLARAT MINERS' RACES, by "Musket," of "The Sporting Globe."

3.45 p.m.—Close down.

4.45 p.m.—ASSOCIATED PUBLIC SCHOOLS OF VICTORIA FOOTBALL MATCH—MELBOURNE GRAMMAR SCHOOL v. XAVIER COLLEGE at M.C.G. Described by Mr. C. J. Brookbank.

AFTERNOON SESSION

5 p.m.—Description of Steeplechase, 2 miles, BALLARAT MINERS' RACES, by "Musket," of "The Sporting Globe."

5.15 p.m.—STUDIO ORCHESTRA: "La Sœur"—Ballet, part I. (Delibes).

5.18 p.m.—ASSOCIATED PUBLIC SCHOOLS OF VICTORIA FOOTBALL MATCH—MELBOURNE GRAMMAR SCHOOL v. XAVIER COLLEGE at M.C.G. Description by Mr. C. J. Brookbank. Quarter-time.

5.20 p.m.—STUDIO ORCHESTRA: "Wee Bit of Heaven" (Shillibee). "A Resolve" (Fontenay).

5.30 p.m.—Description of President's Handicap, 5 miles, BALLARAT MINERS' RACES. Described by "Musket" of "The Sporting Globe."

5.45 p.m.—STUDIO ORCHESTRA: "La Sœur"—Ballet, Part II. (Delibes).

5.48 p.m.—ASSOCIATED PUBLIC SCHOOLS OF VICTORIA FOOTBALL MATCH—MELBOURNE GRAMMAR SCHOOL v. XAVIER COLLEGE at M.C.G. Described by Mr. C. J. Brookbank. Half-time.

5.50 p.m.—MISS FRANCES FRASER. "Turkish Wells."

5.55 p.m.—Description of Novelty Pony Races, 5 furlongs, BALLARAT MINERS' RACES, by "Musket," of "The Sporting Globe."

4.55 p.m.—STUDIO ORCHESTRA: Selection, "Reed Marie" (Prinl).

4.15 p.m.—ASSOCIATED PUBLIC SCHOOLS OF VICTORIA FOOTBALL MATCH—MELBOURNE GRAMMAR SCHOOL v. XAVIER COLLEGE from M.C.G. Described by Mr. C. J. Brookbank. Three-quarter time.

4.25 p.m.—STUDIO ORCHESTRA: "Spanish Dancer" (Ravel).

4.30 p.m.—Description of Farewell Handicap, 5 furlongs, BALLARAT MINERS' RACES, by "Musket" of "The Sporting Globe."

4.35 p.m.—"Horrid!" News Service.

Stock Exchange information.

4.45 p.m.—EVENSONG, transmitted from St. Paul's Cathedral.

5.30 p.m.—ASSOCIATED PUBLIC SCHOOLS OF VICTORIA FOOTBALL MATCH—MELBOURNE GRAMMAR SCHOOL v. XAVIER COLLEGE at M.C.G. Described by Mr. C. J. Brookbank. Final scores. Close down.

EVENING SESSION.

CHILDREN'S HOUR.

5.51 p.m.—Answers to children's letters and birthday greetings.

Royal Automobile Club of Victoria's Safety Message for to-day is for Motorists: "Wear your goggles. You can buy new ones if they break. Nobody sells live eyes."

Have you figured out the Cash Discount at David Jones' Sale?

This is what "less 2/- in the £" means:—

"D.J. Super-Six" with one dial control. Usually £45. Now less cash discount, £40/10/-

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- 6 p.m.—MILLIE MCGORMACK, soprano:
"The Elf Man" (Willis).
"Four Leaf Clover" (Brownell).
- 6.15 p.m.—MARION LIGHTFOOT, banjo,
"Newport Gallop."
"Rugby Parade."
- 6.15 p.m.—MILLIE MCGORMACK, soprano:
"The Lass with the Delicate Air" (Arias).
"Happy Song" (deBriegue).
- 6.18 p.m.—MISS FLOSS GREEN: A Tour with
the children through South-eastern Asia—
"The Beautiful Island of Bali."
- 6.40 p.m.—Official Report of Newmarket sales
by the Associated Stock and Station Agents of Melbourne, Bourke-street, Mel-
bourne—new sales.
- 6.45 p.m.—"Herald" News Service.
Weather synopsis.
Shipping movements.
- 6.52 p.m.—Stock Exchange Information.
- 6.57 p.m.—Fish Market reports by J. H. Ber-
rett, Ltd. Rabbit prices.
- 7 p.m.—River Reports.
- 7.30 p.m.—Market Report by the Victorian Pro-
ducers' Co-operative Co., Ltd.; Jute, Dairy Pro-
duce, Potatoes, Onions, Newmarket Sheep Sale,
Poultry, Grain, Hay and Straw.
- 7.45 p.m.—Market Reports of Fruit, by the
Victorian Fruiturers' Association, compiled
by "The Fruit World," exclusive to 31.0.

NIGHT SESSION.

- 7.15 p.m.—MR A. W. JACKSON will speak
on "Golf."
- 7.30 p.m.—MR J. HOWLETT ROSS will speak
on "Blocking of Zeerbrugge"—Part 2.
- 7.45 p.m.—MARIE BURKE, who plays the
same part in "Franska," will speak from
her dressing room at the Theatre Royal, by
permission J. C. Williamson.
- 8 p.m.—MR RON McGREGOR: Football,
"Centre Play."
- 8.15 p.m.—JOE ARONSON AND HIS SYNC-
SYMPHONISTS:
"Lonely Eyes" (Davis).
"Shepherd of the Hills" (Nichols).
"Way Down Home" (Stampfer).
- 8.25 p.m.—JACK O'HAGAN, baritone:
"Sam, the Old Accordion Man."
- 8.30 p.m.—JOE ARONSON AND HIS SYNC-
SYMPHONISTS:
"You Never Been a Straight Banana"
(Walsh).
"Perhaps You'll Think of Me" (Stone).
"There Ain't No Maybey in My Baby's Eyes"
(Kahn).
- 8.35 p.m.—FRANK AND FRANCES LOUIZ:
"In a Hawaiian Breeze."
- 8.45 p.m.—JOE ARONSON AND HIS SYNC-
SYMPHONISTS:
"Doll Dance" (Piano Solo).
"The Animal Fair" (La Parlorie).
"I Can't Forget" (Orfele).
- 8.55 p.m.—MARION LIGHTFOOT, English
Concertina:
"Blue Bells of Scotland."
- 8.57 p.m.—JOE ARONSON AND HIS SYNC-
SYMPHONISTS:
"Paradise Alley" (Archer).
"While the Years are Drifting By" (Kahn).
"Drifting and Dreaming."
- 8.57 p.m.—DONALD McLEATHIL, violin:
"The Old Reel" (Kreisler).
"Swing Song" (Burnes).
- 8.58 p.m.—JOE ARONSON AND HIS SYNC-
SYMPHONISTS:
"Grand Diamond" (Elliot).
"Whispered Secret" (Brownell).
"All I Want is You" (Clare).
"I made you Happy."

8.05 p.m.—JOE ARONSON AND HIS SYNO-SYMPHONISTS:

"Our Father Summertime is Waiting for You," "The More We Are Together" (Campbell), "I'm Looking for a Four Leaf Clover" (Dixon).

8.08 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS FOR MOTORISTS: "Wear your goggles. You can buy new ones if they break. Nobody sells live eyes."

8.09 p.m.—FRANK LUIZ:

"Hawaiian Melody."

8.13 p.m.—JOE ARONSON AND HIS SYNO-SYMPHONISTS:

"Cover Me with Sunshine" (Dixon), "Do the Black Bottom with Me" (Meyer), "Whistle Your Blues Away" (Meyer).

8.03 p.m.—MARION LIGHTFOOT, English "Concertina":

"Melodie d'Amour."

9.07 p.m.—JOE ARONSON AND HIS SYNO-SYMPHONISTS:

"Walking in Love with You" (Meyer), "Ain't She Sweet" (Yellen), "Take in the Sun, Hang Out the Moon" (Woods).

10.05 p.m.—"Argus" News Service.

British Official Wireless News from Rugby. Meteorological information. Sporting Notes by "Olympus." Announcements.

10.05 p.m.—JOE ARONSON AND HIS SYNO-SYMPHONISTS:

"I'm Always Waiting My Dreams Over You" (O'Hagan), "Talking to the Moon" (Buckley), "Mousou Lark" (Fiorito).

10.05 p.m.—JACK O'HAGAN, baritone:

"My Girl has Eye Trouble."

10.10 p.m.—JOE ARONSON AND HIS SYNO-SYMPHONISTS:

"Sam, the Old Accordion Man" (Kahn), "Spring Fever" (Pluto Solo), "A Message from Missouri" (Chester).

10.10 p.m.—PHANA and FRANCES LUIZ: Hawaiian Mel.

10.14 p.m.—JOE ARONSON AND HIS SYNO-SYMPHONISTS:

"I'm a King" (Swift), "Home at the Wandsworth" (Marot). "Home the Last Word" (Kahn).

11.00 p.m.—OUR GREAT THOUGHT:

"Obedience insures greatness, whilst disobedience leads to a ruinous. Whichever possesses the qualities of righteousness places his head on the threshold of salvation"—Saadi.

11.00 p.m.—JOE ARONSON AND HIS SYNO-SYMPHONISTS.

11.40 p.m.—"GOD SAVE THE KING."

4QG, BRISBANE.

Thursday.

MIDDAY SESSION.

From the Observatory—

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.

1.58 p.m.—Standard time signal.

2 p.m.—Close down.

AFTERNOON SESSION.

Programme of Music by the Studio Orchestra—

3.30 p.m.—A programme of music by the Studio Orchestra, including: One-step, "The Kidder" (Edelmann); melodies, "Spring Flowers"; value, "Will o' the Wisp" (Grey); characteristic, "Sun Rays" (Moros); ballad, "I Hear Thy Voice in Every Song" (Silvers); fox-trot, "Down on Blue Bird Bay" (Goth).

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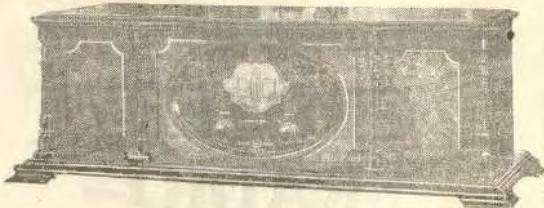


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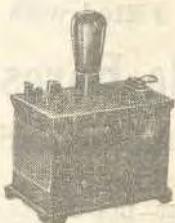


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"Tab" Rechargeable Dry "B" Batteries—a sensational production replacing the old exhaustible "B" Battery. The "Tab" rechargeable "B" batteries under test showed 248 hours on first charge. It can be charged from 0 to 8 times by the ordinary Tungar Battery-Charger, and its life is approximately 2 years. Price .. .

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FARMERS

Pitt, Market and George Streets

4 p.m.—Cookery talk by "Betty Simpson"; dance "Winona Winnie" (Management: International); "Wyoming Days" (Kinki).
5.15 p.m.—"The Telegraph" news.
Close down.

EARLY EVENING SESSION.

6 p.m.—Daily Standard news, annoucements, music.

6.15 p.m.—Favreutes—"Judging Poultry Exhibits" by Mr. Wallis Lloyd.

6.30 p.m.—The children's serial—stories by "The Sandman."

7 p.m.—Market reports, stock reports.

7.30 p.m.—Weather news, announcements.

7.45 p.m.—Standard Time signal.

7.45 p.m.—Lachelle VA Talk on Radio—by Mr. W. A. Braden (McLeod).

NIGHT SESSION.

A RADIO PLAY.

To-night's programme will comprise the broadcasting of a play by Mr. Frank John's Party of radio artists. From the Studio of 4QQ.

8 p.m.—"Circus." A comedy of manners by Michael Crozer (especially written for radio transmission).

"Circus," which this will be the first performance, comes from the author's best comedy in his repertory. It is a dramatic comedy that traces the difficulties which might have occurred to the members of any regular family, provided they had a sense of humor. But although it is not a musical comedy, some examples of the musician's art which are necessary to the action of the story are introduced. These, however, are very few; the story itself is told entirely by the spoken word—but what there are of them will be sung by Erich John's Radio Vocalists. The play will be produced by the author.

From the Studio—

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

5CL, ADELAIDE.

Thursday.

MORNING SESSION.

12 noon—Chimes.

12.15 p.m.—Studio Music.

12.15 p.m.—"Advertiser" news service and Market reports.

12.45 p.m.—Studio Music.

1 p.m.—"Advertiser" news Service.

1.15 p.m.—Studio Music.

2 p.m.—Chimes, Stock Exchange Intelligence, Official weather Bulletin. Close down.

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.

5 p.m.—Chimes and close down.

EVENING SESSION.

6 p.m.—Chimes.

6.15 p.m.—Dinner music relayed from Covent Gardens.

6.45 p.m.—Children's entertainment.
7.00 p.m.—Tasmanian Report, Bass Exchange
Intelligence, Radio Wireless Report, Automobile Association Bulletin.
7.40 p.m.—Whiteman will speak about
"Poetry."
8 p.m.—Games.
8.15 p.m.—Special Programmes of Irish Numerals, Voices and instruments.
8.21 p.m.—Weather bulletin, Delaply's short report.
8.25 p.m.—Irish Night Confident.
8.30 p.m.—Nancy Martin Host and His Maitre Chanteur.
10 p.m.—"Advertiser's" news service and Wireless snapshot.
10.10 p.m.—Martin Kell and His Maitre Chanteur.
10.15 p.m.—Station announcements and weather bulletin.
11 p.m.—Chimes, National Anthem.

7ZL, HOBART

Thursday.

MORNING SESSION

11.0 a.m.—G.P.O. Clock and Chimes.
11.1 a.m.—Tunes-in Selection.
11.2 a.m.—Tasmanian General Wireless News.
11.3 a.m.—Tasmanian News Service.
11.45 a.m.—Shopping Information; Books With in Wireless Range.
11.50 a.m.—Local Notices; Commercial News; Foreign Exchange Market; Housewives' Guide.
12.00 noon—Musical Selections.
12.15 p.m.—Tasmanian Stations 8 a.m. Weather Report; Post Express Information.
12.30 noon—G.P.O. Clock and Chimes; Glass Down.

AFTERNOON SESSION

2.00 p.m.—G.P.O. Clock and Chimes.
2.1 p.m.—Tunes-in Selection.
2.2 p.m.—Items of interest; Announcements.
2.15 p.m.—General Selection by 7ZL Orchestra.
4.15 p.m.—Chat by Child Welfare Nurse.
4.20 p.m.—Hobart Stock Exchange Quotations;
Weather Forecast.
4.30 p.m.—Glass Down.

EARLY EVENING SESSION

6.30 to 7.0 p.m.—"Uncle Hector" talks to the children.
7.0 to 7.45 p.m.—The Adventures of George the Bookshop Kid, by "Aunt Bessie."

NIGHT SESSION

7.00 p.m.—Musical Selection.
7.05 p.m.—Talk by Dr. F. H. Johnstone (Chemist Tasmania Government); "The Chemistry of Soap."
7.10 p.m.—Mercury Special Tasmanian News Service.
7.15 p.m.—Ballygun Auction Produce Sales; Hobart Stock Exchange Quotations; Weather Information.
8.0 p.m.—G.P.O. Clock and Chimes.
8.15 to 8.45 p.m.—Selections by Various Bands (Conductor Mr. Roy Sutcliffe).
March, "Our Chaplain;"
Waltz, "In a Spanish Town;"
Selection, "The Pirates of Penzance;"
Planoforte Solo (Mr. W. Sample), "Selected;"
March, "The Call of Duty;"
For 1st, "Bye Bye, Blackbird;"
Selection, Concert Solo (Mr. Roy Sutcliffe),
"The Ash Grove;"
Fox Trot, "Just a Birdie Eye View;"
Selection, "Miserables;"
Fox Trot, "The More We Are Together;"
Planoforte Solo (Mr. W. Sample), "Selected;"
8.45 p.m.—Tasmanian Official Wireless News; Tasmanian Districts Weather Reports.
8.55 p.m.—Weather Synopsis; Station A.A. announcements.
8.55 p.m.—Glass Down.

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