

WIRELESS WEEKLY

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30 JUN 1927
SYDNEY.

Broadcast Programmes a Week in advance

VOLUME 10

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

NUMBER 7



Friday, June 10, 1927.

Price Threepence

UNRIVALLED!

SELECTIVITY, VOLUME, TONE and RANGE

The New UDISCO SUPER-NEUTRODYNE

Embodying the new fundamental principle, developed independently at Elstree, England, and Sydney, Australia, which has excited widespread interest and enthusiasm throughout the wireless world

Australian Patent 20,643/24

U.S.A. Patent 1610918

British and Canadian Patents Pending

Professor NICHOLSON writes:

The Manager, United Distributors, Ltd., 72 Clarence Street, SYDNEY.

Dear Sir,—The Udisco 5-valve Super Neutrodyne set which you recently installed in the place of my son's obsolete 4-valve receiver surpasses my expectations. I am surprised not merely by its selectivity, but also, and perhaps still more, by the excellent tone and volume of its reception from distant stations. When the conditions are favorable, 3LQ, 4QG, 5CL, and 1YA are received with almost the same purity of tone and fullness of volume as the Sydney stations.

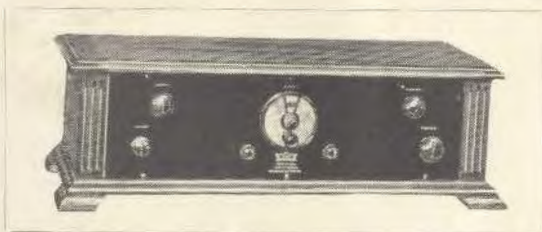
My son wishes me to give you the following particulars. We have received items broadcast by 26 stations.

N.S.W.: 2BL, 2FC, 2GB, 2RY, 2BE, 2UE, 2UW, 2H1, 2PS, 2GG, VIC.: 3LO, 3AR, 3DR, 35W, 1BY, 3RS, Q'LAND: 4QG, S.A.: 5CL, 6DN, 6KA, TAS.: 7ZL, 7UX, N.Z.: 1YA, 3YA, 4YA.

All of these, except the items from 7ZL and 7UX, were received on the loud speaker. With merely a frame aerial, we have heard on the loud speaker eighteen stations. No less than eleven have been heard, on the loud speaker, without any aerial at all. Yours faithfully,

(Sgd.) G. G. NICHOLSON.

DAYLIGHT
RECEPTION



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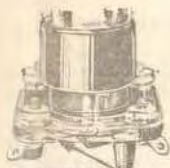
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First in Quality and Performance



SPRING SUPPORTED
SHOCK ABSORBING

Type 9040.
(as illustrated) Price 5/-
By replacing the old type of socket in your set with the Benjamin Cle-Re-Tone 'Push' Type Socket, you positively eliminate tube jar and resultant microphonic noises.

BENJAMIN CLE-RE-TONE "PUSH" TYPE SOCKET

Some of the outstanding features of this socket are:

1. It is compact and neat appearing.
2. Side Wiping contacts, insure perfect electrical connections to the tube prongs.
3. Suspension spring and contact member are made in one piece, thereby eliminating the high resistance joints.
4. All metal parts are heavily nickled.

No. 9040 is without lower mounting base and is intended for direct panel mounting. They include a drilling template and four machine screws with nuts for attaching.



TYPE No. 8049.
Price 3/6

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"Jere" Quick Change Automatic Plugs are designed to give maximum service with minimum effort. The terminal legs of the Loud Speaker Cord or Phone Cord, are merely pushed into the plug, and when electrical contact is established, should it be desired to withdraw the cord, the action is smooth and easily accomplished.

Price, 2/6

They have made good in every respect—ease in holding and inspection, quality of materials and a moderate price. B.M.S. Fantail Jacks are without fault.

Open Circuit	• • 2/9
Double Circuit	• • 3/-
Single Open Fil. Control	• • 3/6
Double Closed Fil. Control	• • 4/6
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Connections
cupped and
spread apart.



The B.M.S. switch is constructed with the fantail cupped legs for easy sliding. Silver contacts, bakelite insulators, polished nickel-plated panel and positive snap. Price 3/9

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Amalgamated  Wireless
Australia Ltd.

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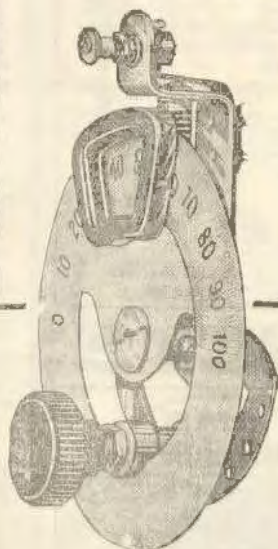
BRISBANE
WELLINGTON,
N.Z.



Described in this issue!

The **HALE**

Crystal 1 Valve Receiver



The **Glo-dial**

This improved-type Vernier Action Dial has the particular advantage of clearly showing the dial graduations illuminated by means of a small light that can be switched on at will.

12/6

DISPLAYED in Harringtons windows and described elsewhere in this issue, the Hale Crystal Receiver can be easily assembled by any amateur. The complete number of parts total a modest cash outlay, and may be secured from leading radio dealers, or at Harringtons shops.

The following is the list of parts — all especially recommended!

2 "Glo-dial" Illuminated Vernier Dials, at 12/6	£ s. d.
1 Battery Switch (Mar-co)	0 2 3
1 Parker Aeolus Potentiometer	0 4 3
1 Advance S.L.F. Condenser, .00035 m.f.d.	0 10 0
1 Advance S.L.F. Condenser, .0005 m.f.d.	0 10 6
1 Jefferson No. 41 Audio Transformer	0 18 6
2 Fixed Coupling Plugs, at 1/6	0 3 0
1 Parker Aeolus 30 ohm. Rheostat	0 3 0
1 UX Type Parker Aeolus Socket	0 2 9
1 Carborundum Crystal Detector	0 11 0
1 Radiokes R.F. Choke	0 8 6
1 Terminal Board (7 engraved terminals)	0 2 6
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 WELLINGTON (N.Z.): 49-51, Willis St.
 AUCKLAND (N.Z.): 140 Queen Street.

WIRELESS WEEKLY

VOL. 14, No. 7.

FRIDAY, 10th JUNE, 1927.

Radio's Affinity for Jazz

JAZZ is not the hideous cacophony many would have us believe. Luscious and loud in its conscious savagery it is the music of cynical and careless youth, born in an age of unrest and war, and draws from that dark period much of its inspiration. Its throatily palpitating strains are so far removed from the jovial, bouncing, hoppity times of our grandfathers' youth that many cannot accept the change, and to them jazz is but a jumble of discordant sounds. Yet the cheerful disarming imbecility of the old-time tune is no better than the defiant and deliberate barbarity of the new. Both are the popular or vulgar music of widely different ages, the simple prosperous era of Victorianism and the restless emancipated days of post-war youth.

The same change may be noticed in serious music. In our grandfathers' day it was Arcadian in its airy sweetness, to-day it is densely saturated with amorous seductiveness with a hidden vein of cruel reality. The evolution of popular music has run parallel in a lower plane with serious music, and the composer of popular music has adopted the discoveries of original genius, adding all that is maudlin and violent.

All new forms of expression are driven to excess when first devised, and it is noteworthy that as the turmoil of war has subsided, we seem to have become inured to such violent and purely physiological stimuli as the clashing and the drumming, the rhythmic throbbing, and the wailing, and jazz has become more symphonic with no less rhythm but with more melody.

In this respect radio has displayed

an affinity for jazz, and there is reasonable evidence to support the theory that radio attains the highest peak of efficient transmission, when it caters, as it does so insistently, for the jazz band. There is also room for reasonable dissertation on the contention that but for radio the jazz band would not be what it is to-day. The case of serious jazz has not progressed far in concert halls, but in the broadcasting studios there is a different story. Jazz has flourished and waxed important before the microphone. Where a year or two ago a radio jazz band was a dance orchestra, furnishing syncopation in order that set owners might dance, hum or bob their heads at home, there are now being presented jazz concertos, rhapsodies, jazz idylls, and jazz tone poems, and other jazz arrangements in grave and impressive recital.

The reasons are simple. A small orchestra, eight or twenty pieces, equipped to play modern jazz, is the most efficient recording body that a microphone can face. Every instrument records well, and the size of the group permits faultless balance before the microphone.

A symphony orchestra conductor before a special radio jazz orchestra has to unlearn his accustomed values as, if not before, he directs it for broadcasting. He will have to re-orchestrate his numbers for the tabloid symphony group. The jazz-band director, however, is used to dealing with exactly the same group that he uses for broadcasting, and his music needs no more reorchestrating than he chooses to give it for distinctiveness.



Between You And Me And The Microphone

Conducted by Jack Plugge



THE MARCONI COMPANY have contracted to erect three broadcasting stations in Japan, one at Tokio, another at Osaka, and a third at a site not yet decided.

THE AERIAL POWER of these transmitters will be ten kilowatts, which should make them easily heard in Australia. Tokio is the twelfth capital city to install a Marconi broadcasting station.

SWITZERLAND, in spite of its comparative smallness, boasts of no fewer than five broadcasting stations, and there is much interest shown by the listening public of 30,000.

IN SPAIN there are many broadcasting stations, but for some atmospheric reason or other reception is very poor in that country, so that broadcasting has not received the support that it should.

NORWAY AND SWEDEN have shown themselves strong supporters of broadcasting, and both countries have established excellent broadcasting services. In the former country there are about 22,000 listeners, while in the latter it is reported that there are as many as 180,000.

JONES turned on his radio set and found he had cut in on the weekly medical talk from his favorite station. He heard—
"And all medical authorities recommend Dr. Flooy's formula for ailments of the heart, lungs, stomach, liver, kidneys, intestines, pancreas, gall bladder, thyroid gland, oesophagus and vermiform appendix."

"My word," he declared. "An organ recital."

RADIO PICKUPS.

*A boy stood on the rolling deck
Of a freighter out at sea,
And he warbled a tune,
To the silver moon,
In the transmitter of XYZ.*

*A wireless wave picked up the song,
And carried it back the line,
Where his sweetheart, Nett,
Sat in at the set
With her brother, Considine.*

*"Who is this guy with sweetie lines?"
Her brother asked in scorn,
"He's the mushiest bird,
That I ever heard,
From the day that I was born."*

*"He's no such thing, you darn old
gronch."
Said Nett with much diamag,
"And he carries a punch,
Like a six dollar lunch,
That would put you in dreamland, any
old day."*

ARTHUR C. HOWELL.

"HELLO, OLD CHAP! Feeling lonely now your wife's away?"

"Well, the washing up and bed making are a bit of a nuisance, but I get the loud speaker going all the time and don't seem to miss her."

IT IS SAID that broadcasting has added five hundred words to the average man's vocabulary, not including those he uses when the thing won't work.

PROGRESS is being made with 2YA, the new Wellington station, and it is hoped to open it on July 1. The station is being erected on the slopes of Mount Victoria, while the Company will have a studio in the old Welleley Club buildings in Featherston Street.

"THE OTHER DAY," said Hon. J. A. Young, Minister for Health for New Zealand, recently, "I heard of a farmer who was found on a couch in the afternoon dressed in his working clothes. He was reading a novel and listening to radio!"

A COWMAN has written to an American station that he has set up a portable wireless set out on the ranch and "treated the cows to metropolitan dance music." "It sure is a big saving on the voice," he declared. "The herds don't seem to tell the difference. Don't put on any speeches, though; that'll stampede 'em; sure as shooting."

"WHY DO YOU insist on becoming a radio announcer?" "I have decided," answered Mr. Meekton, "that I want a chance to say a few things, however non-commercial, under circumstances that won't permit Henrietta to have the last word."

THE CROSLLEY Broadcasting Corporation's station, WLW, 423 metres, is increasing power for a special transmission to Australia and New Zealand on June 12 at 3 p.m., if it is reported. This will be received here on June 13. The broadcast will last two hours.

Do You Know Your Radio?

A series of questions treating radio in a new and interesting way with their answers, will be published weekly in this section. How many can you guess without turning to the answers on page 13.

SERIES 1.

1. Which was the first A class station to broadcast in Australia?
2. When did 2FC change its wavelength from 1100 to 442 metres?
3. Who first conceived the idea of the exchange of messages over great distances without the aid of wires?
4. What is the difference between antennae and aerial?
5. Does the term "Heavyside Loyer" refer to weight?
6. On what wavelength do ship stations transmit?
7. Where is the transmitting station of 2BI, located?
8. Who is Alfred Walter Andrew?
9. What is a hard valve?
10. Why are sopranos?

Burgess Went over the Pole with Byrd.

THE BEAM SYSTEM

A Complete Description of the Beam Transmitting and Receiving Stations under operation.

THE opening of the Beam Wireless Service between Australia and Great Britain has provided for Australia the most modern and efficient wireless service in the World. All the best recent developments in a science of which the whole history has been one of phenomenal achievement have been combined to produce in the beam system between Australia and Great Britain the longest telegraph service—and this includes land line services—which has yet been established. Moreover, beam wireless communication is being developed so rapidly that it is already clear that the beam telegraph service is merely the foundation stone on which, in a few years, will be built up, not only an extremely efficient telephone service between Australia and England, but also a service which will enable pictures to be telegraphed from one country to the other, and facsimiles of documents on one side of the Globe to be reproduced in the most perfect detail at a few minutes' notice on the other.

In Australia, the Beam Wireless Service is owned and controlled by the Amalgamated Wireless (Australia), Ltd., for whom the beam stations have been erected by the Marconi Company of Great Britain. The stations in England are controlled by the British Post Office. The transmitting stations in Australia are situated at Ballan, a town about 50 miles from Melbourne on the main railway line between Melbourne and Adelaide. The Receivers are at Rockbank about 20 miles from Melbourne on the same railway line.

There are really two different stations at each site. One of the two transmitters at Ballan will work with Great Britain, while the other will work with Canada. Similarly, at Rockbank, one of the Receivers will pick up signals from Great Britain, while the other will be used to receive signals from Canada. All four sets will be able to work simultaneously and quite independently of each other.

Six stately steel towers stretching for a height of more than 250 feet into the air, and supporting a delicate web of fine wires—a dull colored building which contains the transmitting equipment, large in itself, but

dwarfed almost into insignificance by the aerial towers—and a delightfully bright little village which has sprung up to accommodate the station staff—are the visitors' first impressions of the beam wireless transmitter at Ballan.

The Transmitting Station itself can most conveniently be considered as three distinct units. The first of these is the Power House—itsself larger than the electric power houses of many country towns—which supplies the electric current to work the transmitter. The second unit is the transmitting equipment proper, and the third is the intricate aerial system on which the generation of the wireless beam depends.

Wonders of Power House.

A spectacle of a type which few people would expect to find in a wireless station confronts one on entering the Ballan power house. The actual energy to operate the wireless station is derived from three large crude oil engines. Each one of these engines develops 160 brake horse power. The engines each have three cylinders, and each drives an electric generator which develops a direct current at a pressure of 400 volts. The output of each of these generators is taken to a switchboard, and from there it is diverted to drive a series of other machines. A modern wireless transmitter uses valves which are essentially the same as the valves in a wireless receiving set. Hence,

a current is required to light the filaments, and another current is employed to operate the plate circuits of the valves. The filament current is really supplied from batteries, but these batteries are kept charged by a motor generator supplying current at an appropriate pressure. This motor generator is operated from portion of the current from the main engine driven generators.

The plate circuits of the main transmitting valves require a pressure of no less than 10,000 volts to operate them. Intricate and elaborate apparatus is needed to supply this pressure. Another electric motor, driven from one of the main generators, operates an alternating current generator. The current delivered from this machine is passed into a transformer, which steps up the voltage to a pressure considerably exceeding 10,000 volts. This high pressure current then passes into an appliance known as a rectifier. The rectifier consists of 10 valves, each about the size of a large football, arranged in a rack and insulated on slabs of glass. Owing to the extremely dangerous pressure employed, all this apparatus is carefully protected by shields.

The rectifying valves differ from ordinary receiving valves in that they contain only a filament and a plate. The grid, which is the third element in an ordinary valve, is not required.

The alternating current from the transformers is converted by means of the rectifier into a direct current of a pulsating nature. That is to say, the pressure alternately rises to a pressure exceeding 10,000 volts, and then falls away to zero.

This current must be converted into a perfectly steady direct current before it can be employed on the transmitting valves. In other words, the pulsations, or ripples referred to, must be "ironed out." The appliance by means of which this is done is known as a filter. The filter consists of a carefully designed arrangement of inductance coils and condensers. The pulsating current is fed into this filter, and when it is withdrawn, it is perfectly smooth without any trace of the original ripple on it.

THE BEAM

or

THE CABLES

Watch for the June issue
of "Radio" appearing
next week.

The true position of Cable
Services in regard to the
Beam Service is discussed at
length.

One of the most striking features of the power house is the exceedingly complete nature of the arrangements which have been provided to prevent a breakdown of portion of the apparatus from interfering with the service. In the first place, there are three complete and independent engine driven generating units, and all the apparatus for filament supply and plate current supply is in triplicate.

Normally, one unit of each set of apparatus will be used to operate the English beam transmitter, and one set will be used to operate the Canadian beam transmitter. The third set will be available as a spare, and, at a moment's notice, it can be switched in to replace either of the other sets. But, in addition to this, all the other apparatus is interchangeable. For instance, in the extremely unlikely event of a failure of two of the units, the third can be used to operate either the English or Canadian station at will, and any individual machine can be grouped in with any others to make up a complete unit. All this is made possible by an elaborate switchboard system which is so comprehensive that the switchboard occupies a wall nearly 100 feet long.

Transmitting Equipment.

To the layman, the transmitting equipment proper, in comparison to the imposing engine-room, looks small and disappointing—yet, it is its very smallness and compactness in comparison with older wireless transmitters which makes it so remarkable to the engineer. The beam wireless transmitter at Ballan is the very latest development in wireless, and it incorporates so many new features that alterations to the very building in which it is housed were made after the building had been erected in order that the latest appliances could be employed.

Each of the two transmitters consists of three main panels. One is known as the control panel, and its duty is to permit the actual signalling to be effected. The second panel is known as the drive panel, and the third is the main amplifier panel, which supplies the current to feed the aerial system.

The purpose of the transmitter is merely to produce an alternating current which can be fed to the aerial, but this current must alternate, or change its rate at a frequency which staggers the lay mind. It must generate currents which surge up and down the aerial wires no fewer than 11,000,000 times a second. The alternating current used in ordinary domestic and commercial supply systems changes its direction only 50 times a second.

It is also extremely important that the rate of alternation should be

absolutely constant. If the number of alternations, for some reason, slowed down slightly, a wave longer than the correct wave would be radiated from the aerial. If the rate were increased above the proper number a second, the radiated wave would become too short. Carefully locked away in a heavy copper case which is the basis of the drive panel of the transmitter is the instrument which ensures that just the right number of alternations a second are produced in the aerial currents. This instrument is known as a master oscillator. It consists merely of a fairly large valve associated with a dozen or so turns of wire. This valve "oscillates" or generates alternations of the current frequency. These alternations are then passed on to another valve, where they are amplified just as a radio frequency amplifier in an ordinary receiver amplifies the feeble aerial currents. From this first amplifying valve, they are passed into another amplifier, which consists of two valves each a foot, or more, in diameter. Amplified by these two valves, the alternations are then ready for transmission to the main amplifier, which supplies the aerial system.

The main amplifier is a panel in itself, and it consists of two valves of a special kind. They are not at all like an ordinary valve, but they resemble more a copper tube about 18 inches long and about nine inches in diameter. This copper tube is really the plate of the valve, and a filament and grid of the ordinary kind are sealed inside and insulated with glass from the plate. The copper plate is really a copper jacket like the cooling jacket on the cylinder of a motor engine. In it circulates a constant current of specially prepared oil the whole time the valve is working. The reason for this is to keep the valve cool.

Each valve is capable of handling the electrical equivalent of about 26 horse power, and unless special precautions were taken to carry off the enormous heat generated by the passage of this heavy current through the valve, the plate would be melted and the valve would collapse after a few seconds working.

As a further safeguard against the overheating of the valves, however, an electrically operated blower directs a constant stream of cool air on to the glass portions of the valve while it is working.

How Signals Are Controlled.

Speeds of no fewer than 325 words a minute have been found possible even in preliminary transmission tests on the beam system. This is about three times as fast as many public speakers speak. It is clear, therefore, that ordinary hand keying could never be employed, because it is far too slow.

The actual sending is performed in machines in Melbourne, which will be described later. These machines are connected by land lines to the control panel at Ballan. Here, their signals are amplified by a series of valves, and then made to control two oil cooled valves identical with the main transmitting valves. The purpose of these two control valves is to allow current to flow to the main sending valves when the automatic key is closed to send a signal, and to withdraw it from the transmitting valves when the key is raised, and no signal should be sent. The principle employed is simple. The two control valves are connected across the main plate supply to the transmitter in such a way that they could act as a "short cut" path for the current. When the key is up, and no signal is required, the control valves bypass all the current from the main transmitting valves. Nothing is then radiated from the aerial. When the key is depressed to send a signal, however, the resistance of the control valves rises to a high value, and the current, being unable to pass through them, is forced into the main transmitting valves, which accordingly, feed the aerial and produce waves. The control valves are really a tap, which can either turn the current into the main transmitter, or else allow it to escape without doing any useful work, just as the operation of the key requires.

Prevention of Vibration.

An interesting feature of the station is the care which is taken to prevent accidental vibrations from disturbing the transmitting equipment.

If the transmitter was subject to vibration, it is possible that the operation of the master oscillator, which controls the wavelength, might be upset. The main source of vibration in the station is the oil engines operating the primary generators. To prevent any of this vibration being transferred to the building, the main engines and generators are set on a heavy concrete slab, which is entirely insulated by shock absorbing cork from the remainder of the foundations of the building. As a further safeguard, however, the transmitting panels are also set on concrete bases which are similarly insulated from the rest of the building. A double precaution against vibrations reaching the transmitting equipment is thus provided.

The Aerial System.

The aerial system used in the beam stations is quite unlike the aerial of any other form of wireless station, because in addition to having to perform the ordinary duty of producing the wave, it exercised the further function of concentrating it into a

The Ordeal of the Broadcasting Studio

An Artist's Impres sices during his first broadcast.

By HERMES

HERE is something terribly solemn and awe-inspiring in keeping an appointment with 500,000 people. One plants the dread summons from 3LO on the bedroom mantelpiece, and gazes at it in an avestrupe fashion once at least before turning in for a week before the awful event. One revises and revises the manuscript till it resembles a dupe by the death between two ink-stained overcoats, and even the fair copy on the night is severely gashed in the "fast electric train" that bears one to one's fate. It is a train at least two earlier than it need be. What would happen to 3LO if the railway power were to fall between 7 p.m. and 8 p.m. on the night?

Then she arrives at the Studio. The victim waits for the lift lest the climb upstairs should run him short of breath for his ordeal. Then the walk up and down the outer office, which, comfortable enough to all outward seeming, appears to the terrified sufferer as gruesome as a condemned cell. The patient announcer smilingly answers a rapid fire of what one realises afterwards were silly questions. One's eyes sink ever the clock. The announcer warns that the studio is continuously "on the air," and infers that casual asides must be avoided once the dread portal is passed. 7.10 p.m. and one is standing at the studio door feeling like an oceanman waiting for the starter, 7.19 p.m. and the door swings silently open, and with silent panther-like strides one advances to an ordinary arm chair, and sits.

The microphone is swung into position. The announcer's voice ceases, and one swings into one's stride. The world of solid settles into order. It is not so terrible after all. Here is the manuscript. The ordinary speaking voice is enough to penetrate the backblocks of Queensland. The speaker must just think quietly now and again to avoid rushing, and try to measure a sidelong glance at the clock to see how time is going, and converse in a hasty mental calculation with the amount that he has got through. Something has got to go. There is too much.

A minute more. One is aware that the announcer has silently entered, and is standing alongside. Greatly daring, one lifts one's eyes from the manuscript, and abbreviates a whole note into a sentence. Then the prepared ending, and the rest—so far as oneself is concerned—is silence. It is not ever thus. They still tell in

3LO of the Shakespearean reciter in the early days of wireless who forgot his lines, and roaming round the studio in an agony, smote the chimes, which hang in the studio in a temporary row. The alarmed announcer rushed in and found the victim pointing these with his fists in a frantic effort to remember. He was hastily led away, but not before he exclaimed in tongues of anguish that were heard in Perth, "I'll get h— from my wife for this. She's listening in."

They remember also a distinguished politician who rushed to the condemned chair, hunched himself over the microphone, breathed deeply, and thundered with his best open-air roar into the microphone. Fearing for the delicate instrument, two strong silent men darted rapidly into the room, seized his arms, and bore him firmly backward. He saw the point, and for the rest of his talk roared as gently as a sucking dove. They tell also of a lady whose nervousness, instead of vanishing, increased. Hearing the signs of a throat tightening with terror, the kindly lady on duty wrote large on a piece of paper, "I is coming through beautifully," and held it before the eyes of the sufferer. The sudden apparition was too much. The victim dropped her manuscript and collapsed.

Nervousness, of course, is due entirely to imagination. There are no real difficulties, except those implied in doing one's best. The room is perfectly quiet. The routine is perfectly itself. All one is asked to do is to sit in an armchair, and to talk in an ordinary voice. It can be heard by some sets in Alaska, and in California. The officials say that as a rule the practiced public speakers are the most nervous. There is a reason for this. Most good public speakers, all first rate ones, in fact, are nervous, and it is that excitement which keeps them up to the point at which their speech takes fire. The nervousness of the speaker is necessary to charge a speech with electricity. This habitual tension is strung to a higher pitch when it comes to wirelessing, for the practiced speaker realises what a vast audience he is reaching. He must endure the further ordeal of doing without the accustomed help and inspiration of direct contact with an audience's emotions.

So the poor man suffers. But to the person who has learnt something of the power of speech, that suffering

is precious, for the opportunity is great. One blessed thing about the terrors of broadcasting is that they are short-lived. The ease and simplicity of the whole thing, the quiet expert administrative staff, managing of officials make the whole affair appear very simple. Then the opposite danger—that of taking it too lightly—must be guarded against. The best way for a speaker to safeguard himself from over-confidence is to try to realize that 3LO is putting his mind in contact with an audience whose numbers are beyond his imagining. But maybe it is not the thought of mere numbers that should be most powerful to draw from an artist his best work. That crowd will include many thousands to whom wireless is only one amusement among many. But it will include two other classes of listener who have a finer claim on the broadcaster's finest effort. First there are listening his fellow experts who are eager to gain help from him in a common task, and who listen eagerly with the power to give that verdict which every genuine workman cares for and works for—the judgment of his peers. Second there are listening many in remote country districts or at sea, whose minds, naturally active, are starved for congenial and inspiring companionship. The invention of broadcasting has made life a very different thing for such people. It has brought rich interest and stimulating companionship to thousands of isolated souls, hungry for music or laughter, religious inspiration or intellectual companionship.

This is how
Len James
felt about
broadcasting
when he
appeared in the
3LO studio
the other day.



"Hurgess" spells "Quality; Life; Service."

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



EVERYBODY'S TIRED, BUT FATHER.

Dear Sir,—I would be glad if you could insert this letter in your "Safety Valve" page, to relieve the sufferings of a distressed family of eight.

We thoroughly enjoy 2FC's programmes, but would be very grateful if they could arrange a programme for 6.30 a.m. to 9.30 a.m. on Sunday mornings, as we have a very energetic father who himself gets up early on that morning and makes his family's life a misery until they arise. He is now a wireless fan and has had the wireless extended to his bedroom, and would lose himself in listening-in.

No doubt the announcer (and artists) would be compensated for their early rising by the thought that they were allowing a tired old family a well-earned rest on Sunday. Anything would do for the programme—mouth organ player, gramophone, or even a Jew's harp, in sacred items of course.

Yours, etc.,
PIMMO.

Waltera.

FOUR MEN WITH A GROUCH.

Dear Sir,—Allow us a few lines of your valued paper to add a few comments to the numerous complaints which we have read re 2FC and 2BL, although our grouch is principally against Farmer's. The evening programmes come through so musily and indistinct that very few, if any, in this locality ever tune them in.

3LO, 4QG, and 5CL, on the other hand, put over a very much better programme, and are listened to by the majority of listeners-in in this district. The aforesaid stations come in very clearly, and their programmes are of a very much better standard.

The interstate stations should receive a proportion of the fees derived from listeners in New South Wales. If 2FC and 2BL gave us as much pleasure as your valued paper, we should be more than satisfied.

Yours, etc.,
V. G. LOCHRIN.
T. W. ORCHARD.
S. W. SNAPE.
S. RYAN.

Cessnock.

FAULT IN THE RECEIVERS.

Dear Sir,—I have just spent a few minutes reading "Day and Night Reception in the Country" in this week's "Wireless Weekly," and the letters are very interesting. As two of your correspondents reside in this part of the Southern Tablelands, and both complain of wireless reception from 2BL and 2FC, I feel it is my duty to reply to their criticisms, for they are just the opposite to the kind of reception received by me.

To begin with, I have a "Colmovox Four Valve Receiver," with a single electron wire aerial 45 feet high from ground, passing across the roof of my house from a convenient tree to a mast. I am one of those happy men who have no complaints to make. I receive 2FC and 2BL beautifully in daylight, with increased volume and clearness at night. I also receive 3LO, 4QG, and 5CL very well at night and 1YA faintly; also 2GB and 2KY (fair). Now this is what I want to say.

I am of the opinion that it is not the fault of the stations at all, but either the wireless receivers, aeriels, earths or some local condition in connection with those whose reception is bad. Now, when I first got my receiver, and for some weeks after, I had exactly the same trouble as our friends from Avon Dam, Bowral and other places. However, when I learned how to operate my machine and did a little experimenting with my set, I was very satisfied with results. I feel sure the trouble with all these gentlemen is local and no fault of the stations named, or, if otherwise, why do I and several friends of mine here receive faultless transmission?

Yours, etc.,
W. F. WILLIAMS.

Bargo.

A SUGGESTION.

Dear Sir,—Now that it is too cold for the races at the National Speedway, Brisbane, would it be any harm, say, for 15 minutes at the Brisbane Stadium, where the main fights are broadcast?

Yours, etc.,
SPEEDWAY AND FIGHT HAM.
Taroom.

HULLO, HULLO!

Dear Sir,—As representative in Longreach of Amalgamated Wireless (A'sia), Ltd., I occasionally ring up my clients who have Radiolas installed to know how they are getting on. The following will serve to show how tastes differ:—

FIRST CALL TO MRS. A: "Oh, we had a beautiful night last night—reception was perfect. We were on 3LO. It was the centenary of Beethoven's death, and the music was simply superb."

SECOND CALL TO MR. JACK B: "How did you get on last night?"—"Oh, we had a bonzer night—14 rounds of stouch."

Yours, etc.,
A. G. HARRISS.

Longreach, Qld.

A FIGHT AND A JAZZ.

Dear Sir,—Just a word in appreciation of the excellent description and transmission of the fight from 2BL on a recent Saturday night. The announcer asked for the listeners-in to send their approval, or otherwise, so I am writing to you to cast my vote with the "ayes."

J. Clifton-Bassett should get a job as a railway station master. He would be out of his sphere as a broadcasting station manager. I would scrap my set if nothing but classical music was on the air. 2FC Dance Band will do me.

Yours, etc.,
J. BIRCHILL.

Kennington.

TOWNITES

Dear Sir,—I wish to say I am well satisfied with the programmes of Sydney, Melbourne and Brisbane, and I must say some listeners are very hard to please when there is so much complaining of programmes, not to their liking. They must be very hard to please when they can't find one station to suit.

All I can say is that some of the "townites" want to be in the country and they would then appreciate all the programmes. I have only a three-valve set, but find no trouble in getting 2FC, 3LO, 2BL, 4QG, 5CL and 1YA on the loud speaker.

Yours, etc.,
F. H. BARTON.

Tever Creek.

It's All in the Air

Coming Features in the Broadcasting Programs

ORGAN RECITAL: Dr. Haight's next organ recital from St. Andrew's Cathedral will be heard on Thursday, 16th June, through 2FC.

LEAGUE FOOTBALL: In-between interest will be shown in the meeting of St. George and South Sydney at the Sydney Cricket Ground on Saturday, 18th June. 2FC will describe the match.

ELLIS PRICE, the well-known entertainer and slocutionist, who has been recently touring in the "Green Hat" Company, and has appeared with B.L.O. has returned to the microphone at 2FC and will give a number of original radio comedies that he has prepared.

CELEBRITIES FROM 2FC: At the present time this station has arranged the appearance of four of the outstanding R.F. personalities in the Commonwealth, and weekly engagements have been given to each. Captain Hurley, Alfred O'Brien, Australia's foremost tenor; Raymond Ellis, distinguished English baritone, and Florence Markmeyer, the Continental pianist, whose only recitals in Sydney during her short stay are being given to 2FC.

WEEKLY REBROADCAST BY 2FC: Interstate stations that cannot be got by the majority of listeners with much success will be picked up by 2FC for half an hour, once a week. 1YA Auckland has been dealt with in this manner. On June 10th 7ZL will be heard, and on Saturday, 18th June, Christchurch will be put on the air. WGY, the Schenectady Station, was broadcast on Sunday, 29th May, and other overseas stations will be taken in turn.



Little Joan Hazell, of Bellaranga, forwarded the photograph reproduced above to the Hello Man recently. She says that her father and her brother are trapping eagle hawks and so far they have caught 285, some measuring 7-11, from wing tip to wing tip.

GRAND OPERA: Wagner's "Meistersinger" has been recorded by H.M.V. into a complete set, for which full chorus and orchestra were employed, in association with leading continental operatic artists. Some of the best portions of the opera are being linked up with the connected story, and broadcast from 2FC on Friday evening, 17th June. The grand operas played on the air last year were very successful.

BRITISH MUSIC SOCIETY'S CONCERT: The programme to be submitted at the Conservatorium on Tuesday, 14th June, and broadcast by 2FC, is intensely interesting. Included in the programme is the suite for flute, violin and piano, composed by Goussens. Piano solos by the modern English composer, Arnold Bax, played by the young English pianist, Miss Betts Vincent. Sonata for violin and piano by a new writer. Songs in French and Irish by Ravel and Guller. Items for flute and piano by modern French composers, and the British Music Society String Quartette will play for the first time the Hungarian composition of Bartok. The members of the quartette are Moore McMahon, Daisy Richards, Norbert Wentzel and Moore Martin. As Raymond Ellis will be singing that night, lovers of classical music who complain they do not get the fare that appeals to them will have a veritable feast.

COUNTRY DANCE NIGHT: On June 18, homes far and near will dance to radio music. The suggestion is to make a collection amongst the dancers at the private parties organized on this night, the money to go towards the installation of wireless in the various hospitals not already equipped. 2FC Dance Band, with a full complement, will broadcast dance music until midnight, in ten minute groups. The intervals will be filled with items from the 2FC Studio by Charles Lawrence, entertainer, R. A. Bartolman, baritone, Elsie Peeries, soprano, and sketches by Brunton Gibb and Ethel Lang.

BRILLIANT ORATORS FROM 2FC: It is not often that a broadcasting company has sufficient courage to devote the major portion of its programme to a debate, but when such brilliant speakers as Rt. Hon. W. M. Hughes and Hon. W. A. Holman can be heard in vigorous debate, then the opportunity cannot be missed. 2FC have secured the right from the School of Arts Debating Society, which we understand is the oldest of its kind in Australia, to broadcast the debate which will be held in King's Hall on Monday evening, 13th June, on "Party Government." Both these gentlemen will affirm the resolution, and two of the leaders of the School of Arts Debating Society will oppose.



Ernest Wilson, the popular baritone appearing at 3LO.

WIN AND WINDLE: What a boon to a broadcasting manager is the opportunity of repeating artists whose repertoire seems to be unlimited. The average pair of entertainers soon exhaust their stock of suitable material, but in Win and Windle, the English artists at present at 2FC, they seem to have a veritable fund of humor. They are appearing regularly, but there is no sign on the part of listeners that they are tired of hearing them.

STAGE TALKS: W. F. Kay's talks on stage life and celebrities have created so much interest, that he is giving a further series, as follows:—
10th June: "Another Glimpse of Poverty Point."
16th June: "Hamlets I Have Seen."
24th June: "Unrehearsed Stage Happenings."
5th July: "Behind the Scenes."
14th July: "Great Actors Compared."

ORPHAN'S WAIL: The monthly meeting of the Orphan's Club is being held at Warringah Hall on Tuesday evening, 7th June. As this is their annual Ladies' Night, dancing will be the order of the evening. The 2FC Dance Band will play until the early hours. Station 2FC will broadcast part of the programme, which will include Alfred O'Shea, Charles Lawrence, Eileen Moran, Fraser Coss and Alfred Cunningham. During the interval at Warringah Hall, listeners will have an opportunity of hearing the pianoforte recital by Florence Menckmeyer, the noted continental pianist, from Paling's concert salon in the George Street building.

AFTERNOON RECITALS: The following afternoon recitals have been arranged by 2FC:—

Wednesday, 8th June: Vocal Items under the direction of Hector Fleming.

Thursday, 9th June: Instrumental and vocal programme by the students of Gordon V. Lavern.

Friday, 10th June: Instrumental and vocal programme, directed by Rex de Calros Rego.

Monday, 13th June: Violin recital arranged by S. Vost Janssen.

Tuesday, 14th June: Vocal recital by the students of Miss Mabel Batchelor.

ST. AUGUSTINE'S BAND.

According to vote, one of the most popular forms of entertainment broadcast from Studio 3LO is band music, and St. Augustine's Band, from St. Augustine's Orphanage, Geelong, makes a strong bid for the place of first favourite. As all the musicians are young lads, the Band has reached a very high standard of musical perfection for such youthful instrumentalists, and it is particularly noticed that their repertoire consists mainly of what is popularly known as "good" music, Overtures, Symphonies, etc., which are played with wonderful artistic perception by the young performers.

WILLIAM JAMES.

Now that the various musical competitions all over Victoria have "closed down" for the season the popular adjudicator, Mr. William James (the distinguished Australian pianist), has once again returned to Melbourne, and has taken up his many musical activities, both in Church, Choral and Studio work. Under his capable baton, we shall have broadcasting items from time to time by the Wesley Choir, both Cantorice and Operatic, the Celebrity Four will be once again entertaining us with their well chosen selections from Grand and Comic Operas, and Mr. James' personal contributions to the programmes will consist of some masterly pianoforte recitals.

MISS DODIE WOLFE.

In addition to being one of the most travelled women in the world, Miss Dodie Wolfe, a bright entertainer on the programmes of 3LO, can also claim the distinction of having broadcast from some far distant studios. Before coming to Melbourne, Miss Wolfe had broadcast from Bombay, Calcutta, Singapore and other stations in the far East. Together with her husband, Lew James, who is also a popular 3LO artist, she has appeared in nearly every corner of the globe.

ADMIRERS OF MR. WALTER HUNT'S Work at 2GB will be pleased to know that gramophone records of his work have been made by the Columbia Company and will shortly be on the market. Mr. Hunt is giving some of his best work to Station 2GB and listeners-in are assured that the artist's standard will be always of the highest. His selections from the great dramatists are particularly acceptable to lovers of radio drama. On Friday, the 20th, Mr. Hunt will broadcast a comedy in one act, entitled "Sweet and Twenty," supported by Miss Doreen Bennett and Mr. J. K. Powell.

A GREAT BANJOISTE: Another new comer to the Studio is MISS MARION LIGHTFOOT, who has made a great reputation for herself overseas as a lady banjoist, to say nothing of her skill on such instruments as the mandolin, English concertina, and the ever-popular Hawaiian steel guitar. Unlike most players on stringed instruments of this type, Miss Lightfoot does not confine herself to Plantation songs, and some melodies, but undertakes some particularly difficult classical works, overtures, etc., and these, especially when played on the English concertina, which consists of forty-eight keys, gives the idea of a whole orchestra at work, which should be much enjoyed by musical listeners.

"THE SPARKLERS": Ros Garling and his "Sparklers" will make their initial bow at 2FC on Wednesday evening, June 8.



Joe Aronson, syncopating symphonist who has become famous through 3LO.

3LO's New Studio: World Broadcasting

More News and Notes by Our
3LO Correspondent.

By H. ELLO.

THE outstanding broadcasting event of the coming week is the transfer of 3LO to its new quarters.

The high-water mark of excellence has certainly been reached in the new building. It is an old one re-modelled, but there is no trace of the base uses to which the place was formerly put. The main studio is like a gracious salon. There is an atmosphere about it already that is definitely appealing to artists. The smaller studio opening into it may really be added to it by throwing back immense folding doors. A great company of public men and women watched the ceremony of opening by the Lord Mayor, Sir Stephen Morrell, on June 6th. Everyone wishes 3LO well.

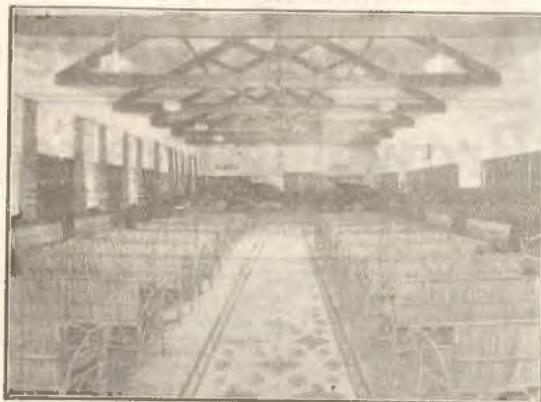
World-Broadcasting.

Talking the other day to a well-known amateur, I asked him whether world-broadcasting was very near.

"Nearer than most people think," was his reply. "Three short-wave stations are participating in constant experiments under the aegis of the General Electric Company, and in less than two years we will be listening in as regularly and as comfortably to world-programmes as we now do to 3LO. Many short-wave stations in Australia are also co-operating in the work."

What, then, is going to be the effect of this new wonder? It goes without saying that at certain times the complete afternoon programme of 3LO will be put on the air here. It will have to be done during the present evening programme. What will 3LO mean for the service? It is extremely unlikely that it will continue to make a pretence to Dominion stations of its expensive programmes. On what basis will it seek to recoup itself? If it simply shut out the music and allowed it to be gathered in without charge, it would be possible for some stations to re-broadcast it and save themselves the entire expense of an evening programme.

My own feeling is that after the first curiosity and sense of wonder has worn off, the complete programme will not be put on. Certain items will be selected and broadcast in place of local items. With a few exceptions of well-known celebrities, the *2LO* programme, especially in the afternoon, is in many respects not as well



Studio No. 1 at 3LO's new offices: The seats in the foreground accommodate the audiences which are always present. A photograph of Studio No. 2, appears on our front cover.

chosen as that of 3LO. It would be rather queer if, after the novelty has worn off, listeners began to demand the continuance of their own programmes, rather than those from world-stations. Nothing falls so quickly as it wonder too often repeated. Few listeners look on wireless as other than an ordinary phenomenon, comparable to the telephone and the aeroplane, all in the day's invention. I can almost hear the child of the next two years saying wearily: "Oh, turn off that darned English station, that woman gives me the willies."

An Interesting Personality.

Brig-Gen. Charles Rudkin had not been in Melbourne half an hour when the manager of 3LO got into touch with him and arranged for him to give a series of wireless talks on Italy, where the General fought in the late war and now has his home.

I have often advocated that every visitor of any celebrity should be asked to speak to the people by wireless. It is highly educational to hear the views of our national guests. Their names are read in the newspapers; they are entertained by the Prime Minister; civic receptions are given by the Lord Mayor, but the great mass of the people see nothing of them and have small idea of the personality which have made these men great.

To hear them on the wireless is to

bring them into direct touch with hundreds of thousands of people who have thus a clearer comprehension of what they stand for. General Rudkin has been explaining that remarkable man, Mussolini, whose personal friend he is. Were I studio manager of a big station like 3LO I would keep a blank space in every evening programme to be filled by a surprise item, and I would endeavor to get some notable man or woman, big in the public eye, to say a few words about the subject he or she knows best. A tremendous good would result.

Airy Opera.

I cannot close these notes without complimenting Madame Ashton, her pupils and her associates, Messrs. Andrews and Dudley, on the success they made of "Mairiana," which they recently broadcast.

I don't wonder the experiment is to be repeated somewhere about the third week of June. It was delightful to hear again those delightful memories our fathers used to hum. To our ears, weary of jazz, these simple and beautiful air duets with immense relief. I'll warrant any old bound opera of the period has been disinterred from back rooms and "tried over on the piano." Gallant period. Lovely memories that are awakened by music. We cannot have too much of these voices of the past.

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THE BEAM SYSTEM

Continued from Page 5.

narrow beam. The use of the beam is important for two reasons.

In the first place, it is an important factor in ensuring the secrecy of communication. Instead of being radiated broadcast all round the transmitter, signals are concentrated into one direction. The second function of the beam is to greatly increase signal strength. Suppose the beam was 10 degrees wide. Then, instead of being radiated all round the aerial in the full 360 degrees of the circle, the energy of transmission would be concentrated into one thirty-sixth of the area it would otherwise cover. It follows, therefore, that the wave at any point along the path of the beam would be 36 times stronger than it would be if the beam was not employed.

Three masts are used to support the aerial for the English portion of the transmitter, and three for the portion for working with Canada. Each of the masts is made of lattice steel, and each weighs about 50 tons. The masts are 12 feet square, and are so strong that they are almost self-supporting. At its top, each mast carries a cross piece 90 feet long. The masts for each station are arranged in a line exactly at right angles to the direction in which the beam is to be projected. The masts supporting the aerial system for Great Britain are therefore laid out along a line pointing to the North East and South West. The cross pieces at the top of the masts support at their extremities two heavy steel cables, which are suspended along the line of masts. These cables are the supporting members for the aerial system proper. The aerial consists of a series of vertical copper wires, each of which is kept taut by a heavy weight at the bottom. At the back of the row of aerial wires is another series of vertical wires which form a reflector. This reflector assists in the concentration of the waves in the proper direction. The aerial system for the transmitter for sending to Great Britain is really a double system consisting of two separate aeriels, one of which sends the beam in a north-westerly direction from the aerial, while the other sends the beam in a south-easterly direction. This permits of signals being sent either north-westerly across Australia, the Indian Ocean, and portions of Africa, Asia and Europe, to Great Britain, or else in a south-easterly direction down towards the south pole and then on to the opposite side of the earth to Great Britain. The reason for this is that signals can be sent through darkness more satisfactorily than they can be sent through daylight.

Continued on Page 18.

HOW MANY DID YOU SCORE?

Below are the answers to the questions printed on page 4:—

1. 2HL.
2. On October 2, 1926.
3. James Clerk Maxwell.
4. Is radio parlance, none. Antenna is the American and aerial the British term.
5. No. The upper rarified stratum of the earth's atmosphere is supposed to be insulaed and to be, in consequence, a good conductor of electricity. It takes its name from Professor Heavyside, who advanced the theory.
6. 300, 450 and 600 metres respectively.
7. At Couges.
8. The announcer at JLO.
9. A valve of which the glass container has been exhausted of air to the highest possible degree.
10. For the same reason as the grid leak.

A DELIGHTFUL CONTRALTO.

MISS MADOLINE KNIGHT, the delightful contralto vocalist who is at present broadcasting from Studio JLO, was particularly nervous as a little girl and could not be persuaded to sing if she thought any one was looking at her. "I well remember a little song I used to sing," she said, "called 'A Honey Little Jap,'—clad in kimono and fan I took part in many school concerts, and, as I was one of a crowd, I didn't mind singing a bit. However, when we had company at home, that was a different matter altogether and I wouldn't sing, except under the table, where I thought no one would notice me. There I used to kneel—with my kimono and fan, faithfully going through all the motions, and becoming so absorbed in my song, that I didn't notice the faces peering at me round the corners of the table cloth."

ANOTHER RARE CONTRALTO: Really good contralto vocalists are all too rare these days, and listeners will welcome the news that MISS LABEL BIDDELL, the well-known Melbourne contralto, has been secured by Studio JLO and will shortly commence her broadcastine season. Possessing a rich sonorous voice of rare quality and wide range, and having made an intensive study of artistic interpretation, Miss Bidwell has all the attributes of a successful Radio artist, and her items, which for Studio purposes will include some tuneful melodies, such as "My Ships" and "Away in Atpone," should be greatly to the taste of all classes of musical listeners.

KOA.

Dear Sir,—I received KOA re-broadcast from 2FC on Sunday night so clearly that it could be heard two doors away.

Yours, etc.,
Brisbane, FRED SCHRIVER.

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Radio Suppliers
60 Castlereagh Street, Sydney

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"THE HALE ONE VALVE SET"

FEATURED IN THIS ISSUE.

THE PARTS

	£	s.	d.
1 Bakelite Panel, cut true, 12 x 7 x 1-8	0	3	6
1 Advance S.L.F. Condenser, .0005	0	10	6
1 Advance S.L.F. Condenser, .00035	0	10	0
2 Illuminated Back Panel Dials, at 11/-	1	2	0
1 Genuine Carborundum Detector	0	11	0
1 Ajax 400 ohm. Potentiometer	0	2	6
1 Ajax 30 ohm. Rheostat	0	1	10
1 Crescent 6 to 1 Transformer	0	13	6
1 Standard Valve Socket, 201A	0	1	9
1 Radiokes R. Frequency Choke	0	8	6
2 Panel Plugs, at 1/-	0	2	0
1 Terminal Board (7 posts)	0	2	9
1 Terminal Board (2 posts)	0	1	6
1 Everready C Battery	0	2	9

Total . £4/14/1

If required, these parts can be substituted with others of various makes without impairing results. We Guarantee It.

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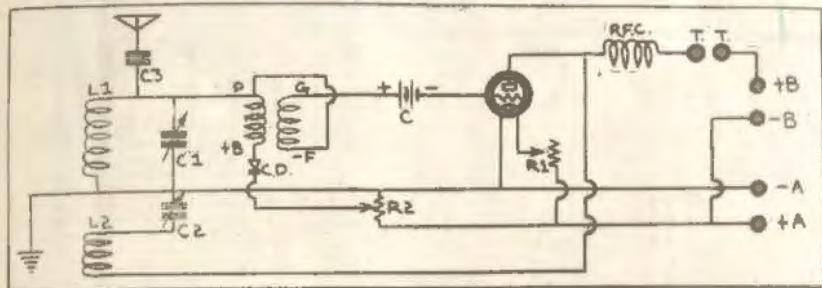
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The HALE One Valve Receiver

Local Stations on the Loud Speaker

SOME months ago all England was pleasantly surprised to have thrust upon them overnight, so to speak, a one valve receiver which was claimed to be sensitive, selective and capable of operating a loud speaker. An enthusiastic public took it up wholeheartedly, and many and varied were modifications made to the original circuit. The circuit reproduced here is perhaps one of the best, hence the reason for our building it and trying it out.

On test it has substantiated all the claims made for it. At Marickville all the local stations were tuned in on a loud speaker, sufficiently loud for the average sized room. In addition, (QI) could be heard at nice "phoom" strength, likewise 3AR, Melbourne. (HO) was a bit mixed with 2BL's transmissions, but many multivalve sets suffer from the same complaint.

Looking at this receiver purely as a local station receiver the Hale will be "billed" by many. The quality of reception is of the highest order, this being produced by the crystal which we use as a detector. Now a crystal detector is apt to frighten the prospective constructor. Rightly in this the case in many instances, as often a crystal becomes a high-pitched whinner or later. This effect is produced by the lack of stability in the average crystal. But there are exceptions to the rule. The Haville, Lion Micro or Lion Mixtures or the Carbonium do not suffer from this complaint because

they each are a solid substantial job built up to a standard and not down to a price.

Over and over again have we in these pages stressed the advantage of reasonably good quality parts in any receiver. The cheap jack junk only causes trouble, besides robbing the constructor of the best results. It is always wise to use judgement in the selection of parts for any receiver, and as a guide we print in each article the actual brands of parts used. While it is not strictly essential to obtain only the brands specified, yet at all times procure a quality of the same grade or even better if desired.

There is a certain fascination in having a small one valve set giving

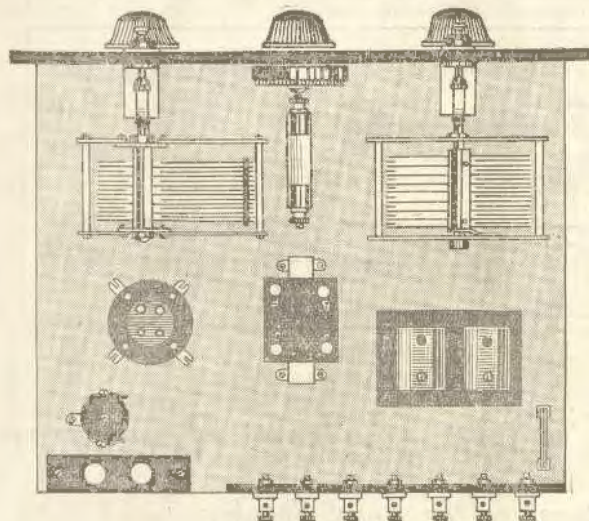
satisfactory loud speaker results. The proud owner always "brags it out" for his friends to see and to hear. It is like a Pekinese pup with a sheep dog voice, a novelty, yet a useful novelty. The average owner of a multivalve set often finds it inadvisable to connect up his big receiver to hear a local programme. The big receiver is more costly in the upkeep—it requires more battery power in the first place, and on the face of it, it seems unnecessary to have five, six or seven valves simply to hear the local stations.

The use of a Hale will give all the results required for the average person, it automatically cuts down costs to a market extent, the quality of reproduction will appeal to all, even musical critics and its general performance will be found very pleasing. So much for the multivalve owner. Those whose purse strings won't extend to a multivalve set are calmed for by the Hale. Beyond the dial nothing else is of the super expensive type, all is within the reach of the average person, and this average person will be well repaid for the expenditure outlay.

Coming back to the circuit let us see just what happens. The energy from the aerial is tuned by coil L1 and condenser C1 and is impressed on the crystal detector which detects it. The valve amplifies at audio frequency which naturally steps up the volume, but it must not be overlooked that by

Hale Receiver.

- 1-Direct or Radion Panel 12x7x 3.10ths.
- 2-Glo-Dials (Illuminated Verniers).
- 3-Parker Aeolus Potentiometer.
- 4-Parker Aeolus 30 ohm Rheostat.
- 5-S.L.E. .0005 Variable Condenser.
- 6-.00025 Advance S.L.F. Condenser.
- 7-Jefferson 41 A.F. Transformer.
- 8-Fixed Coupling Plugs.
- 9-Buffalo Valve Socket.
- 10-Radiokos R.F. Choke.
- 11-.00025 Fixed Condenser.
- 12-Terminal Board.



means of different component capacities a radio frequency amplification is obtainable from the same valve. Actually although not really reflexed in the ordinary term of the word the Hale gives one stage of radio frequency, detector and one stage of audio frequency amplification, all with the cost of upkeep of one valve only.

For reasons of stability the Carborundum detector was chosen. Many people know that the combination of potentiometer control of current across the Carborundum greatly increases its sensitivity, hence the inclusion of the potentiometer in this circuit. If the Harlie or Lien Micro is used the potentiometer may be excluded altogether and the side of the crystal detector which in the circuit goes to the middle point of the potentiometer now is connected to the A negative wire. The A positive wire simply runs to the rheostat and finishes there.

Looking at the front panel view something new to our readers will be found. This is the use of the latest back panel dials of the illuminated variety. These dials look very pretty indeed and lend a handsome appearance to any receiver. A small portion of the panel is cut away and a bezel fitted in. The graduations are on a transparent celluloid, behind which is a small pea lamp which may be switched ON or OFF by means of a switch immediately above the opening. The condenser plates are turned down at the bottom of the panel they

may be seen. A potentiometer is in the centre of the panel below the rheostat which is seen mounted above it. No jacks or terminals are on the panel at all, and a battery switch has been dispensed with, the rheostat being used to turn off the valve filament current.

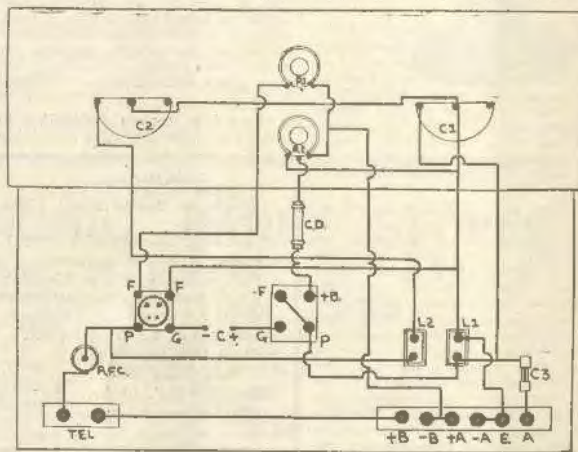
These illuminated dials are very good, but a certain amount of difficulty may be met with in cutting out the panel to accept the bezel. The

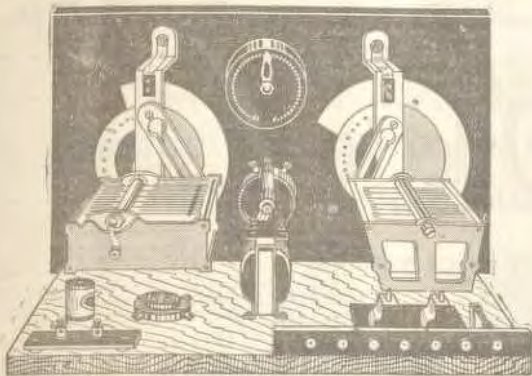
writer is indebted to Mr. Clifton Storm, the engraver of 51 Castlereagh Street, who cut out the required portions in a few moments by machinery, the cost only being a few pence. Thus many swear words were prevented and a neat arrangement made.

The construction of the Hale doesn't call for much engineering skill. The panel is easily marked out and drilled with the exception of the cuts for the bezels. The panel drilling diagram will give the complete details and measurements. Lay the panel on a nice flat surface and mark out the distances with a centre punch. Now drill the panel, making certain that the drill is held upright. A high speed and light pressure is a slugs worth of remembering always when it comes to drilling Diets or Radion. Follow out the directions accompanying the dials and mount the dials and condensers. The spare slotted portion is used to hold the condenser in place. The back of panel view will show just how this is done.

It will be seen that the potentiometer hasn't much room between the two dials, for this reason we have chosen the Parker Aedus potentiometer, which is of very small dimensions. Mount this potentiometer with the terminals upwards, pointing to the rheostat which should have its terminals facing the potentiometer.

Prepare the baseboard by sandpapering and shellacking. Smooth off the edges with a plane and shellac these also. Next lay out your baseboard components. The plan view is of extreme interest in this matter. Follow it out carefully; there is plenty of room. The R.F. choke is placed





near to the loud speaker terminals to ensure short leads. Note just how the A.F. transformer is placed. When laying out these baseboard parts take into consideration the room occupied by the condensers. Screw everything down on the baseboard tightly.

Now commence the wiring. Take away the panel from the baseboard and commence the wiring. Join together the moving plates of both condensers, then take this lead to one side of the potentiometer. The other suitable terminal of this potentiometer joins to one side of the rheostat. Next link together the soldering tabs of the illuminated dial. Fit the panel to the baseboard and continue the wiring.

The Carbonium detector is soldered or joined to the centre point of the potentiometer, the other side of which is connected to the B positive of the A.F. transformer. Next join P. to P. of this A.F. transformer, taking P. to the fixed plates of the .0005 mfd (C1) thence to the one side of the aerial coil plug and to one side of the .00025 fixed condenser in the aerial lead. The other side of this coil plug connect to the moving plate wire of C1 and thence to E. on the terminal board. The fixed plates of reaction condenser C2 take to one side of the reaction coil holder, the other side of which join to the P. of the valve socket and the one side of the R.F. choke.

Join the other side of this choke to the nearest telephone terminal on the terminal board. The next telephone terminal join to the B positive terminal next door. Link the B negative to the A positive, then run a busbar from this to the common wire which joins the potentiometer to the rheostat. The A negative is connected to the one side of the valve socket.

thence to the busbar, linking the moving plates of the condenser together.

The G of the A.F. transformer join to the C battery positive terminal, the negative terminal of which C battery take direct to the grid of the valve socket. Close the rheostat to the valve filament, and join the aerial terminal to the other side of the .00025 fixed condenser, thus completing the wiring. Check off with the circuit diagram and the back panel wiring diagram, then connect up the batteries, etc., ready for testing.

A good valve is worth while. A Mullard P.M.4 or P.M.6 or a Radiotron UX201a, or perhaps a De Forest D.L.7, all will serve a good purpose here. A B battery of up to 100 volts is worth while, and the C battery of from 3 to 9 volts is required. The C battery is most important, and may require a little bit of adjustment.

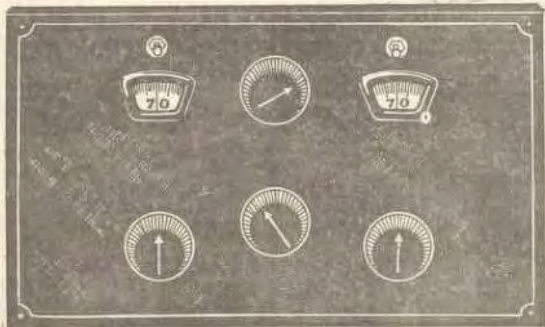
Plug in a 35 turn Reactone coil in the aerial plug and say a 50 turn Reactone coil in the reaction plug. Perhaps two 35 turn Reactone coils will do. Try for yourself.

Hook on the aerial and earth and connect up the phones. Oh, by the way, as a suggestion on the D.L.7 try 2 volts, which we found just good. With the Ostram DE6b a grid bias of 5 volts worked well. However, listen in by turning up the rheostat. Set the reaction condenser at zero. Tune in with C1 slowly, and one of the local stations will be heard. Tune with the reaction condenser, bringing up the volume. Now adjust the potentiometer. Good, isn't it? Only one valve, mind you!

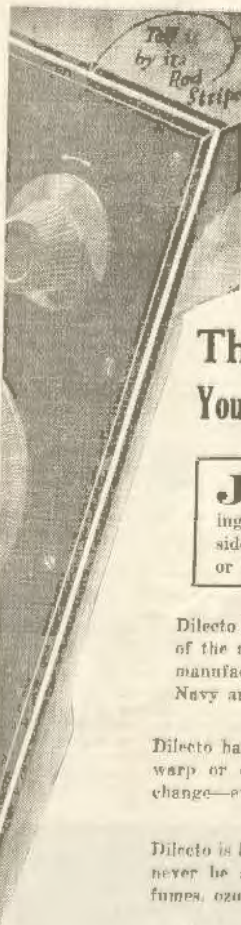
If, of course, no reaction is available reverse the leads on the reaction coil plug. Now try again. It's alright now! Good! Seek the other stations. You will easily find the carrier wave. Don't use too much reaction condenser. Be judicious in this. It will repay you with good clear signals.

The Hale is easy to handle. The volume is exceedingly good, and it may be adapted to a loop. Later on you'll be shown how to do this. In the meantime get used to this one. It is rather good for a one valver. We recommend it.

HAD ALL THE LICENSES been in force for the year, the total revenue derived by the Broadcasting Company would have been about £30,000. Many licences were, of course, taken out for shorter periods, so that this sum would be less than that stated. Supposing that the licences for the year 1927-28 total 30,000, the revenue accruing to the Broadcasting Company, assuming 10,000 of the licences to be part-time, will be in the neighbourhood of £40,000.



For Purest Music Use Only Philco.



Dilecto

(distinguished by its Red Stripe)

Out to any size and Engraved to Order.

This Red Stripe tells You it's the Perfect Panel

JUST what qualities must a radio receiver panel possess to be lastingly good? It deserves your consideration—if buying a ready-made set or if hitching up your own hook-up.

Dilecto has met with every strict requirement of the most exacting experts of leading radio manufacturers. It has been used by the U.S. Navy and Signal Corps for over nine years.

Dilecto has high dielectric resistance. It cannot warp or crack, check or chip. It will never change—even its sleek, black finish is permanent.

Dilecto is heat-proof up to 220° degrees F. It will never be affected by cold, water, oil, gasoline, fumes, ozone, solvents, and most chemicals.

Sole Australian Distributor:

O. H. O'BRIEN (SYDNEY)

(Late O'Brien and Nicholl),

37-39 Pitt St. Sydney — 516 Collins St. Melbourne

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

THE BEAM SYSTEM

Continued from Page 12.

In the early morning, when the hemisphere of the earth lying immediately to the west of Australia is in darkness, the north-westerly route to Great Britain is used. As daylight spreads over this half of the earth, however, signal strength begins to fall away, and, as the other half of the earth is becoming dark at the same rate as the first portion is being lighted up, the direction of transmission is changed by turning over a simple switch in the transmitting room.

On the Canadian station, it will not be necessary, for the time being, to provide for transmission in both directions to Canada, and signals will be sent in a north-westerly direction only.

Aerial Feeder System.

The method by which the aerial wires are excited with the currents generated in the transmitting room is unusual, and exceedingly interesting. Instead of the usual aerial and earth lead-in wires usually employed in a transmitting or receiving station, the leads consist of two concentric copper conductors. The earth lead is in the form of a copper pipe about three inches in diameter, and the aerial lead is a copper rod inside this pipe suspended exactly in the centre of it, and insulated from it by porcelain discs. The leads are several hundred yards long, and it has therefore been necessary to provide means of allowing the pipe and rod to expand without actually increasing the length of the leads. At the aerial, the lead pipe branches, and one branch goes to the base of each aerial wire. Here the copper outer tube ends in a large copper box, which is carefully "earthed." The inner aerial supply conductor is terminated in an inductance coil situated inside the box, and, of course, carefully insulated from it. The aerial wire is excited from this inductance coil.

Receiving Equipment.

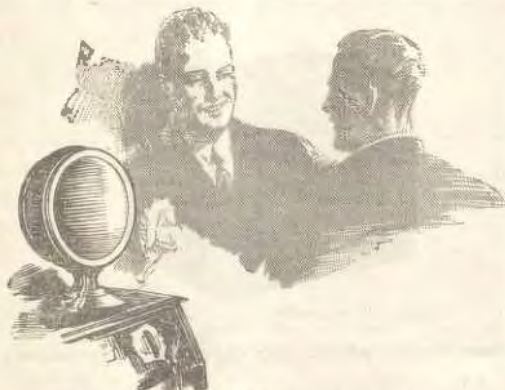
The aerial system used at the receiving station at Rowbank is identical with that employed at the Ballan transmitting station, and in addition to merely picking up the signals, the special beam aerial is able to pick them up much more strongly than they would ordinarily be received. Moreover, the marked directional properties of the beam aerial greatly reduce interference from static, and practically eliminate interference from other stations. It is clear that since the aerial will only respond to signals coming in one direction, static disturbances coming from any but this direction will not affect the receiver.

To be Continued Next Issue.

In the above-mentioned advertisement in our issue of May 20, the voltage of an Eveready battery was inadvertently stated as 2.5. This should have read 31.5.

CLEAR

through the whole tonal range
Clear at any Volume.



Hear the difference this

R.C.A. Loud Speaker Model 100 makes to your set.

IN the laboratories of the great Radio Corporation of America the study of acoustics and sound reproduction has resulted in the development of an entirely new principle of Loud Speaker design. Greater volume without distortion and faithful reproduction of the entire musical scale are made possible. From the deepest notes of the bass to the highest notes of the treble RCA Loud Speaker, Model 100 reproduces the whole tone range without the blurring of a single note.

"I thought I had the best Loud Speaker on the market," writes a recent purchaser, "till I heard your R.C.A. Loud Speaker, Model 100," and you, too, will notice a wonderful difference in your reception when you fit this Loud Speaker to your set.

We would be glad to demonstrate it to you at any time, without obligation. If you cannot call, write for booklet, "Bigger Value in Radio," which describes the Model 100 Loud Speaker and the famous RCA Receivers.

SYDNEY:
93-95 Clarence St.
NEWCASTLE:
53 King Street.

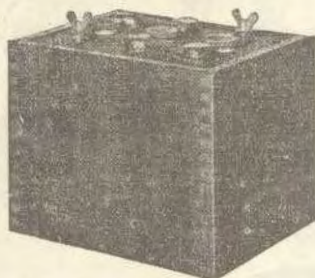
AUSTRALIAN
GENERAL ELECTRIC
Australian General Electric Company, Ltd.

MELBOURNE:
Cor. Queen and Little
Collins Sts.
BRISBANE:
Queen and Adelaide
Sts., Petrie's Bight.

WONDERTONE

Heavy Duty Accumulators

The Wondertone Heavy Duty Accumulators are 6-Volt 120 Ampere Hour capacity, fitted in Ebonite Containers and enclosed in acid-proof boxes, with strong carrying straps.



75/-

Charged ready
for use.

75/-

Charged ready
for use.

Illustration of WONDERTONE Heavy Duty Accumulator.

Other makes which also carry our Guarantee:

C.A.V.			CLYDE.		
4V. 40	Ampere Hour	44/-	4V. 50	Ampere Hour	50/-
4V. 60	" "	50/-	6V. 50	" "	70/-
4V. 80	" "	60/-	4V. 90	" "	60/-
6V. 40	" "	65/-	6V. 90	" "	84/-
6V. 60	" "	75/-			
6V. 90	" "	90/-			

All the above prices are for Accumulators charged and ready for use.

Distilled Water for Accumulators	1/- bottle
Hydrometers for testing Accumulators	4/6 each
Voltmeters for testing "B" Batteries	4/9 each

We employ a staff of Battery Experts to Repair, Rebuild and Recharge all makes of Batteries.

Satisfaction Guaranteed

Complete Stocks of EMMCO, RADIOKE, GRODAN, IGRANIC, PILOT, ADVANCE,
Etc., Etc. ACCESSORIES.

Call or Write for Price List R8.

Wiles Wonderful Wireless and Electrical Stores
PITT AND GOULBURN STREETS :: SYDNEY

MAIL ORDER DEPT.: 60 GOULBURN STREET.

BROADCASTING PROGRAMMES

of the

COMING WEEK

Friday, June 10

2FC, SYDNEY.

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

NIIGHT SESSION.

- 11.45 p.m.—The Chimes of 2FC and programme announcements.
12.00 p.m.—Special Items.
9 p.m.—"The Sun."
From Palling's Concert (Solo): A Pianoforte Sonata by Miss Plover's Member, the visiting Continental Pianist.
(a) "March Militaire" (Schubert-Liszt).
(b) "Scherzo Op. 31" (Chopin).
12.00 p.m.—"Hungarian Rhapsody No. 11" (Liszt).
12.00 p.m.—From the Studio.
Mr. W. F. Kay has another glimpse at Poverty Point.
11.45 p.m.—Mrs. Cyril Monk, violin solo:
(a) "Rock Air" (Alfred Hill).
(b) "Lubosfred" (Reizler).
11.31 p.m.—Mr. Harold Tollemache, baritone.
11.21 p.m.—Trance Management: A short feature with Graham Kent.
11.10 p.m.—2FC Dance Band; conductor, Mr. Eric Pearce.
11.04 p.m.—Miss Celina Hooper:
Songs at the Piano.
10.52 p.m.—Mr. Harold Tollemache, baritone.
10.37 p.m.—Mr. Cyril Monk, violin solo:
(a) "Cavatina" (d'Ambronio).
(b) "Spanish Dance" (Ferrari).
10.30 p.m.—Miss Celina Hooper:
Songs at the Piano.
10.16 p.m.—FROM HER MAJESTY'S THEATRE: The Entrante Music from "The Two," featuring Henry Penn and Jack Wright in George Gershwin's jazz Rhapsody.
9.56 p.m.—From the Studio:
Mrs. Harold Tollemache, baritone.
9.50 p.m.—2FC Dance Band.
10 p.m.—Miss Celina Hooper:
Songs at the Piano.
12.0 p.m.—Reaming the Ether: An attempt to relay wireless stations.
10.40 p.m.—2FC Dance Band will play dance numbers until 11 o'clock.
11 p.m.—"The Sun."
National Anthem.
Close down.

2BL, SYDNEY.

Broadcaster's Ltd.
Wave Length, 353 Metres.

Friday.

- 11 a.m.—G.P.O. Clock and chimes.
11.1 a.m.—Musical programme from the studio.
11.35 a.m.—News from the "Sun."
11.45 a.m.—Talk on "Camping" by Miss Gwen Varley, Broadcasters Women's Sports Association.
12.00 p.m.—Enquiries to correspondents by Miss Jordan. Talk on "Feeding the Family" by Mrs. Jordan.
12 noon.—G.P.O. Clock and chimes.

- 12.11 p.m.—Special Ocean forecast and weather report.
12.13 p.m.—Musical programme from the studio.
12.15 p.m.—Information—Mails and Shipping and Movements of Import and Export.
12.16 p.m.—Sydney Stock Exchange calls.
12.18 p.m.—Route in call by wireless.
12.20 p.m.—Fruit Market report.
12.21 p.m.—Vegetable Market Report.
12.22 p.m.—London Metal Market Report.
12.24 p.m.—Dairy and Farm Produce Market report.
12.27 p.m.—Racing Resume.
12.30 p.m.—G.P.O. clock and chimes.
12.31 p.m.—Musical programme from the studio.
12.40 p.m.—Sporting Information (Sun).
12.45 p.m.—Billiers Instrumental Quartet—direction—Cyril Cutting.
1.00 p.m.—G.P.O. Clock and chimes.
1.31 p.m.—News from the "Sun."
1.40 p.m.—Musical programme from the studio.
1.50 p.m.—Sydney Stock Exchange calls.
1.54 p.m.—News from the "Sun."
2 p.m.—G.P.O. clock and chimes.
Having information broadcast immediately after each race by courtesy of the "Sun."
2.1 p.m.—Talk to Children and special entertainment for Children in Hospital.
2.10 p.m.—News from the "Sun."
2.16 p.m.—G.P.O. Clock and chimes.
2.31 p.m.—Musical programme from the studio.
2.41 p.m.—News from the "Sun."
2.51 p.m.—Musical programme from the studio.
3 p.m.—G.P.O. Clock and chimes.
3.1 p.m.—News from the "Sun."
3.15 p.m.—Civil Service Stores Trio—direction—Miss de Conover Bremer.
3.30 p.m.—G.P.O. Clock and chimes.
3.31 p.m.—News from the "Sun."
3.40 p.m.—Musical programme from studio.
3.50 p.m.—News from the "Sun."
4 p.m.—G.P.O. Clock and chimes.
4.1 p.m.—Civil Service Stores Trio.
4.15 p.m.—Racing Resume.
4.30 p.m.—G.P.O. Clock and chimes.
4.51 p.m.—Musical programme from Studio.
4.41 p.m.—News from the "Sun."
4.50 p.m.—Racing Resume.
4.52 p.m.—Producers Distributing Society's Fruit and Vegetable Market report.
4.54 p.m.—Resume of night's programme.

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

- 2FC.—Farmer's Broadcasting Station, Ltd., Sydney, wavelength 442 metres, power 5000 watts.
2BL.—Broadcasters' Ltd., Sydney, wavelength 353 metres, power 5000 watts.
2GB.—Theosophical Broadcasting Station, Ltd., Sydney, wavelength 316 metres, power 500 watts.
2KY.—Trades and Labor Council, Sydney, wavelength 293 metres, power 1250 watts.
2UW.—The Handel, Sydney, wavelength 267 metres, power 500 watts.
2MK.—Mochler Bros., Bathurst, wavelength 271 metres, power 250 watts.
2UE.—Electrical Utilities Supply Co., Sydney, wavelength 293 metres, power 250 watts.
2EC.—Bard Electrical Co., Sydney, wavelength 316 metres, 100 watts.
2HD.—R. A. Douglas, Newcastle, wavelength 228 metres, 100 watts.

- 4.55 p.m.—Announcements.
4.58 p.m.—Special Ocean Forecast.
5 p.m.—G.P.O. Clock and chimes. Close down.

EARLY MORNING SESSION.

- 5.15 a.m.—G.P.O. Clock and chimes.
5.44 a.m.—Doris George and the Kodaks.
6.48 a.m.—Musical programme from the studio.

SPECIAL COUNTRY SESSION.

- 7 a.m.—G.P.O. Clock and chimes.
Australian Mercantile Land and Finance Co's Report.
Weather report and forecast by courtesy of Govt. Meteorologist.
Producers Distributing Society's Fruit and Vegetable market report.
Stock Exchange reports.
Grain and Fodder report ("Sun").
Dairy Produce report ("Sun").
5.15 p.m.—Country News from the "Mag."
7.30 p.m.—Talk on "Economic Solutions" by Mr. Cooper, Park Superintendent, City Council.
8 a.m.—G.P.O. Clock and chimes.
Broadcasters' Tropical charts.
8.5 p.m.—The Chess Quiz under the direction of Mrs. Bennett White.
9 a.m.—G.P.O. Clock and chimes.
Resume of following day's programme.
Weather report and forecast by courtesy of Mr. F. J. Mann, Govt. Meteorologist.
9.15 p.m.—Broadcasters' Trio.
9.15 p.m.—The sporting editor of the "Sun" will talk on the prospects of Australia's cricket.
9.20 p.m.—The Chess Quiz.
10.10 p.m.—Broadcasters' sporting expert will talk on "Football."
10.35 p.m.—Mr. Stan Curran (controlling).
10.42 p.m.—Broadcasters' Trio.
10.58 p.m.—Mr. Stan Curran.
11 p.m.—G.P.O. Clock and chimes.
National Anthem.

2GB, SYDNEY

Theosophical Broadcasting Service.
Wave Length, 316 Metres.

Friday.

- MORNING SESSION.
9 a.m.—"Cheer" Talk by Mr. J. K. Powell.
9.5 a.m.—Music.
9.55 a.m.—Music.
9.55 a.m.—Music.
9.55 a.m.—Health and Diet.
10 a.m.—Close down.

AFTERNOON SESSION.

- 3.30 p.m.—Music.
3.37 p.m.—Hints for Home Makers, by Mrs. Dugan.
3.42 p.m.—Music.
4.07 p.m.—"India," by Mrs. Ernest.
4.23 p.m.—Music.
4.40 p.m.—Close down.

EVENING SESSION.

- 6.30 p.m.—Children's Session.
7 p.m.—Music.
7.5 p.m.—Arti Viretston.
7.15 p.m.—Music.
7.20 p.m.—Address by Mr. R. E. Burnett.
7.30 p.m.—Music.
7.35 p.m.—Address by Mr. J. K. Powell.
7.50 p.m.—Announcements.

7.55 p.m.—Violin Solo: MONICA HORDER.
 8.5 p.m.—Address by Professor Ernest Wood.
 8.20 p.m.—Songs.
 9.28 p.m.—Instrumental Quartet:
 DAN SCULLY, MURIELLE LANG, ADA
 BROOK, MONICA HORDER.
 8.55 p.m.—Announcements.
 9 p.m.—Address: The Rev. E. H. S. Hammond
 9.15 p.m.—Cello Solo: MURIELLE LANG.
 9.23 p.m.—Songs.
 9.32 p.m.—Piano Solo: ADA BROOK.
 9.40 p.m.—Instrumental Trio:
 DAN SCULLY, MURIELLE LANG, ADA
 BROOK.
 9.58 p.m.—Talk.
 10 p.m.—Close down.

3LO, MELBOURNE.

Broadcasting Co. of Aust.

Wave Length, 371 Metres.

Friday.

NIGHT SESSION.

FRIDAY POPULAR PROGRAMME.
 7.15 p.m.—Under the auspices of the Department of Agriculture, MR. R. N. JOHNSTON, Senior Veterinary Officer, will speak on "Swine Fever."
 7.40 p.m.—STUDIO ORCHESTRA.
 "Flight of the Bird."
 8.10 p.m.—OLGA SMITH and BURKE Entertainers from the Emerald Isle:
 ANNA BURKE.
 "Barney Mannon" (M. Nono).
 CHAS. OLGA SMITH.
 "The Welcome" (Thos. Davies).
 Duet.

7.50 p.m.—STUDIO ORCHESTRA
 "Tales of Hoffman" (Offenbach).
 8 p.m.—LEW JAMES AND DODIE WOLFE:
 "Musical Hill Oodles."
 8.10 p.m.—COLLINGWOOD CITIZENS' BAND:
 March, "The Jolly Trooper."
 One Step, "She was Giddy."
 8.20 p.m.—JAMES RILEY, Tenor:
 "A Sprig of Baccini" (Hull).
 "Nirvana" (Lavers).
 8.27 p.m.—AGNES FORTUNE, Piano:
 A few minutes with Chopin.
 8.40 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS:
 CHILDREN: "Always look both ways before you cross a road, or before you pass in front of or behind a standing vehicle. Never run across without looking."
 8.42 p.m.—STUDIO ORCHESTRA:
 "Second Symphony"—1st Movement (Beethoven).
 8.52 p.m.—ELSA STRALIA AND MAXIM BRODI
 MAXIM BRODI:
 "Serenade" (Toselli).
 "Memories of Long Ago" (Yon).
 ELSA STRALIA:
 Selection, "H. Traverser" (Verdi).
 "Waters of Minnetouka" (Lawrence).
 Duet, "In a Gondola" (Hardy).
 9 p.m.—Announcements.
 9.10 p.m.—COLLINGWOOD CITIZENS' BAND:
 Gavotte, "Pierrotta".
 9.15 p.m.—MR. E. K. LOVE:
 "Technicities."
 9.25 p.m.—JAMES RILEY, Tenor:
 "My Snowy Breasted Pearl" (Leahy).
 "Wife in the Sable Night" (Moore).
 9.32 p.m.—STUDIO ORCHESTRA:
 "Second Symphony"—2nd Movement (Beethoven).
 9.40 p.m.—OLGA SMITH, Soprano:
 "The Wren."
 "Spart' d'Amour."
 9.44 p.m.—MR. C. J. WILLIAMS will discuss To-morrow's Wrestling.
 9.57 p.m.—COLLINGWOOD CITIZENS' BAND:
 Bass Solo, "Capriccioso".
 Soloist, Mr. H. Connell.

10.1 p.m.—Meteorological information. Road Notes supplied by the Royal Victorian Automobile Club of Victoria.
 10.12 p.m.—"THE FUTURISTS" present their Radio Revue:
 "BROADCAST BITS."
 AN OPENING CHORUS by the Company.
 A few pathetic and stirring scenes in Court.
 The Judge..... Gus Dawson
 The Barrister..... Cyril Northcote
 The Watchman..... Iru Vanon
 Hectic Doctor, the Heartless Heart-breaker..... G. W. Desmond
 IRA VANON will now sing to you.
 DISMISS DESMOND to nearly in a happy mood.
 A FINALE by the Company.
 10.33 p.m.—"Argus" news service. British Official Wireless news from Rugby.
 10.40 p.m.—OLGA SMITH, soprano:
 "Una Voca."
 10.47 p.m.—"CARDIGAN," MR. H. W. WOLFE, Sporting Editor of the "Argus" and "Australasian," will speak on Saturday's Races.
 10.57 p.m.—COLLINGWOOD CITIZENS' BAND:
 Duet, "Dumbar and Marj"—for 2 Cornets.
 11 p.m.—OUR GREAT THOUGHT:
 "Then indecision brings its own delay. The days are lost, lamenting o'er lost days. Are you in earnest? Let us this very minute. What can you do, or dream you can, begin it. Boldness has genius, power, and magic in it."
 11.1 p.m.—JOK ARONSON AND HIS SYM-OPATING SYMPHONISTS:
 "Just One—Marj—Kiss" (Owens).
 "Just a Bird's Eye View" (Donaldson).
 "A Cup of Coffee, a Sandwich, and You" (Meyer).
 "Somebody's Lonely" (Davis).
 "Baby Face" (Blatt).
 "For a Line"—Waltz of The Bells (Britt)
 "The Hero" (Hymen).
 "The More We are Together" (Campbell).
 "Kuffenreddy"—Piano Solo (Barry).
 "Let's All Herry Ford" (Leslie).
 "On My Way Home" (Vatelin).
 "The Original Black Bottom" (Henderson).
 "Hello, Olga" (Baer).
 "Hello, Little Girl of My Dreams" (Berk).
 "Sunday" (Alice).
 "By the Side of a Rose" (Fields).
 11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE
 Queensland Radio Service.

Wave Length, 285 Metres.
 Friday

MIDDAY SESSION.
 1 p.m.—Market reports: weather information: "The Daily Mail" and "The Daily Standard" news.
 FROM HOTEL CARLTON:
 1.20 p.m.—Lunch hour music played by Hotel Carlton Symphonic Orchestra.
 FROM THE OBSERVATORY:
 1.58 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 Symphonic Orchestra.
 FROM THE OBSERVATORY:
 4.16 p.m.—News service supplied by "The Telegraph."
 4.50 p.m.—Close down.

EARLY EVENING SESSION.
 6 p.m.—"Daily Standard" news, weather information, announcements.
 6.30 p.m.—Beltsine stories by "The Sandman"
 7 p.m.—Market report, stock reports.
 7.30 p.m.—Weather news, announcements.
 7.43 p.m.—Standard time signal.

NIGHT SESSION.
 W.E.A. MUSIC CLASS.
 The Workers' Educational Association Tutorial Classes in music are being held in the Reception Hall at 4QG this season, and are being conducted by Mr. George Sampson, F.R.C.S. (Musical Advisor, Department of Public Instruction; Lecturer in Music, Teachers' Training College).
 The object of holding the classes at 4QG is to broadcast the lessons and music, and so make available to a large number the educational matter placed before students.
 The classes will extend over a period, and will be held each Friday night.
 The usual lecture which generally begins 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 club music will be played after each lecture.

The following artists will illustrate Mr. Sampson's lecture to-night—Piano, Mr. Arch Day; violin, Mr. Eric Haynes.
FROM THE RECEPTION HALL:
 7.45 p.m.—W.E.A. tutorial music class.
 9 p.m.—Week-end road information for motorists, officially supplied by the Royal Automobile Club of Queensland.
STUDIO PROGRAMME
 9.15 p.m.—Overture, "Le Caval de Bronze" (Auber); the Studio Orchestra (conductor, Mr. A. B. Southerton); tenor solo, "Come into the Garden, Maud" (Balfie), Mr. J. Land; a thought for to-night (Will H. Lister), "Work"; soprano solo, "Bird of Love" (Hagen); "Hoop"; Miss Pat. McOnley; violin, "In Shadow Land" (Rolinson); the Studio Orchestra; tenor solo, "You in a Gondola," Mr. J. Land; violin solo, "Serenade" (Lorenzetti), Mrs. M. C. Williams (accompanied by the Studio Orchestra); soprano solo, "Let Me Sit in Your Garden" (Russell), Miss Pat. McOnley; selection, "Sonny" (Kern), the Studio Orchestra.
 10 p.m.—"The Daily Mail" news; weather news; football news.
 Close down.

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

- 3LO.—Broadcasting Company of Australia, Ltd., Melbourne, wavelength 371 metres, power 5000 watts.
- 4QG.—Queensland Radio Service, Brisbane, wavelength 285 metres, power 5000 watts.
- 5CL.—Central Broadcasters' Ltd., Adelaide, wavelength 395 metres, power 5000 watts.
- 6WT.—Western Farmers, Ltd., Perth, wavelength 1250 metres, power 5000 watts.
- 7L.—Tasmanian Broadcasters, Ltd., Hobart, wavelength 635 metres, 3600 watts.
- 8AK.—Associated Radio Co., Ltd., Melbourne, wavelength 484 metres, power 1400 watts.
- 2DR.—Druleich Business and Technical College, Melbourne, wavelength 285 metres, power 500 watts.
- 31Z.—O. J. Niven & Co., Melbourne, wavelength 215 metres, power 100 watts.
- 4GR.—Gold Radio Electric Service, Toowoomba, Queensland, wavelength 294 metres, power 100 watts.
- SKA.—Sport Radio Broadcasting Station, Adelaide, wavelength 250 metres, power 1000 watts.
- 8DN.—8DN Pty., Ltd., Adelaide, wavelength 215 metres, 600 watts.

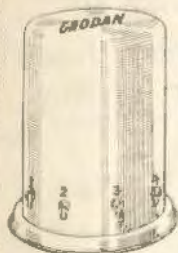
5CL, ADELAIDE

Central Broadcasters, Ltd.
 Wave Length, 395 Metres.

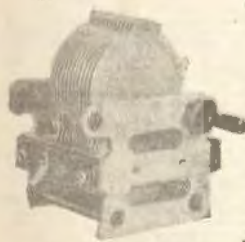
Friday.
 12 noon.—G.P.O. chance.
 12.1 p.m.—Musicals on the "New Reproductive System" and the "Autotone Reproductor."
 12.30 p.m.—"Aztetivator" news service.
 12.50 p.m.—Market reports.

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Payable Post Parcel.

- 1 p.m.—G.P.O. chimes.
 1.30 p.m.—Musical programme.
 2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

- 3 p.m.—G.P.O. chimes.
 3.15 p.m.—Relay from the Maple Leaf Cafe—Orchestral selections.
 3.45 p.m.—From the Studio—Recital on the "New Introducing Sonora" and the "Autophone Reproducer."
 4 p.m.—G.P.O. chimes.
 4.15 p.m.—Relay from the Arcadia Cafe—Orchestral selections.
 4.45 p.m.—Station announcements.
 5 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

- 6 p.m.—G.P.O. chimes.
 6.15 p.m.—Dinner music by the Covent Garden Restaurant Orchestra.
 6.45 p.m.—Children's bedtime stories.
 7.00 p.m.—Market reports.
 7.10 p.m.—Sporting talk by "Metropolitan."
 7.30 p.m.—Football talk by Mr. E. Johnston.
 8 p.m.—G.P.O. chimes.
 8.15 p.m.—Relay from Messrs. Malcolm Reid & Co.—Orchestral selections.
 8.30 p.m.—Tenor solo, Mr. I. Simpson.
 8.35 p.m.—Malcolm Reid's Orchestra.
 8.55 p.m.—Maledin Reid's Orchestra.
 9 p.m.—G.P.O. chimes.
 9.1 p.m.—Weather report.
 9.2 p.m.—Daily's wheat report.
 9.4 p.m.—Mrs. A. C. Williams' Mandolin Band.
 9.50 p.m.—Song, Miss Sanderson.
 9.55 p.m.—Katoomba Duo.
 9.55 p.m.—Talk by Mr. A. Collington, "Wool."
 10.00 p.m.—Bass solo, Mr. C. Bradley.
 10.20 p.m.—Mrs. A. C. Williams' Mandolin Band.
 10.34 p.m.—Bass solo, Mr. C. Bradley.
 10.38 p.m.—Katoomba Duo.
 10.44 p.m.—Song, Miss A. Sanderson.
 10.52 p.m.—Mrs. A. C. Williams' Mandolin Band.
 11 p.m.—G.P.O. chimes and close down.

6WF, PERTH

Westralian Farmer's.

Wave Length, 1250 Metres.

Friday

- 12.30 p.m.—Tune in.
 12.35 p.m.—First local news bulletin.
 Market reports.
 Cables.
 1 p.m.—Time signal from Perth Observatory.
 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 1.2 p.m.—Studio Quintette:
 March, "Stage Crew" (Counil).
 Waltz, "Apache" (Stauchel).
 Overture, "Undine" (Lortzing).
 Intermezzo, "Japonaise" (Mozarte).
 Selection, "La Boheme" (Puccini).
 Intermezzo, "Japonaise" (Mozarte).
 2 p.m.—Close down.
 3.30 p.m.—Tune in.
 3.35 p.m.—Musical programme.
 3.40 p.m.—Close down.
 4.45 p.m.—Tune in.
 5.00 p.m.—Musical evening for the Kiddies, by Aunt Evelyn, and Uncle Henry, Leslie, Percy, Baz and Duffy.
 7.20 p.m.—Stock and Share Intelligence.
 Market reports.
 Cables, News by courtesy of "The West Australian" Newspaper Co. M
 7.45 p.m.—Talk.
 8 p.m.—Time signal from Perth Observatory.
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 8.15 p.m.—Popular Night.
 Concert by the Revellers' Concert Party.

- 9 p.m.—Talk: "Gardening Notes," by Mr. E. A. Hughes, representing Messrs. Dawson and Harrison.
 9.35 p.m.—Late news items by courtesy of "The Daily News" Newspaper Co.
 Ships within range announcement.
 Weather report and forecast.
 10 p.m.—Late news items by courtesy of "The Daily News" Newspaper Co.
 Ships within range announcement.
 Weather report and forecast.
 10.30 p.m.—Close down.
 100 METRE TRANSMISSION.
 Simultaneous broadcast on 100 metres of Musical Programme, given on 1250 metres, with musical items during talks.

7ZL, HOBART
Tasmanian Broadcasters, Ltd.
Friday.

- MIDDAY SESSION.
 12 noon.—Chimes and tune in.
 12.1 p.m.—Tune in selection.
 12.5 p.m.—British official wireless news.
 12.55 p.m.—"Mercury" news service.
 12.58 p.m.—Foreign Exchange Market.
 1 p.m.—Musical items from the Studio.
 1.25 p.m.—Shipping information.
 1.24 p.m.—Mail notices, Commercial news.
 Housewives' guide.
 12.50 p.m.—Hobart Stock Exchange quotations.
 12.55 p.m.—Foreign Exchange Market.
 1 p.m.—Musical items from the Studio.
 1.30 p.m.—Luncheon talk or musical items.
 1.55 p.m.—What's doing: Amusement guide.
 2 p.m.—Close down.
 AFTERNOON SESSION.
 2 p.m.—G.P.O. Clock Chimes.
 3.1 p.m.—Orchestral selection by 7ZL Studio Orchestra.
 4 p.m.—Educational Talk.
 4.10 p.m.—Orchestral Selections continued.
 5 p.m.—G.P.O. Clock Chimes.
 Close down.
 EARLY EVENING SESSION.
 5.30 p.m.—7.30 p.m.—Children's Hour.
 6.30 p.m.—Children's Corner with the "Radio Lady."
 7.15 p.m.—Young folks gardening chat by Mr. George Nation.
 NIGHT SESSION.
 7.30 p.m.—Fruit, Poultry and Produce Reports through the courtesy of Roberts and Co., Ltd., Hobart.

NEW ZEALAND STATIONS:
1YA, Auckland, The Radio
Broadcasting Co. of New
Zealand, Ltd.

Power 500 Watts; Wave-length, 420 Metres. Silent Night, Monday.

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

Power 120 Watts; Wave-length, 295 Metres.

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

Power 500 Watts; Wave-length, 400 Metres. Silent Night, Thursday.

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

Power 750 Watts; Wave-length, 380 Metres.

2YM, The Gisborne Radio Co., Gisborne.
Power 50 Watts; Wave-length, 260 Metres.

- 7.55 p.m.—Gardening Chat by Mr. George Nation, Glen Nurseries, Cassadea.
 7.50 p.m.—"Mercury" special Tasmanian news service.
 7.55 p.m.—Railway Auction Programme Sale.
 Hobart Stock Exchange quotations.
 8 p.m.—G.P.O. Clock Chimes.
 8.15 p.m.—7.30 p.m.—Studio Concert.
 8.31 p.m.—British official wireless news service.
 8.58 p.m.—Weather synopsis.
 Station Announcements.
 Travellers' weekend information.
 10 p.m.—Close down.

Saturday, June 11
2FC, SYDNEY

- NIGHT SESSION.
 7.45 p.m.—The Chimes of 2FC, and announcement.
 7.50 p.m.—Studio items.
 8 p.m.—"Big Ben."
 Broadcast from the Crystal Palace Theatre, Sydney: Orchestra under the baton of Mr. Harry Storer.
 8.10 p.m.—From the Studio:
 Miss Virginia Bassett, contralto:
 "Katie's Hymn" (Bridge).
 8.14 p.m.—Miss Jean Gerrard:
 Item on the Melo Piano.
 8.20 p.m.—FROM THE CRYSTAL PALACE THEATRE, SYDNEY:
 Orchestral items incidental to the film, "The Volga Boatman."
 The Russian Choir will be heard in the song, "The Volga Boatman." Mr. Harold Harris, basso and Miss Dorothy Dewar will sing "Polushka."
 8.10 p.m.—From the Studio: Concert Sales:
 Items by the Continental Pianist, Miss Florence Monkmeier:
 "Rhapsody No." (Liszt).
 8.48 p.m.—Fragments from Opera, "Victoria" (Monkmeier).
 8.58 p.m.—"Valse de Concert."
 9.6 p.m.—From the Studio:
 Miss Virginia Bassett, contralto:
 (a) "We'll better bide a wee" (Old Scotch).
 (b) "Ship of my Dreams" (Stephanian).
 9.14 p.m.—Win and Winkle, English entertainers.
 9.20 p.m.—Miss Dorothy Dewar, contralto.
 9.24 p.m.—Mr. Scott Alexander will present a novel burlesque prepared by Collington Ball, entitled
 "O ME—O MAR—Oh Merry Me"
 A travesty on Omar Khayyam.
 9.34 p.m.—Miss Virginia Bassett, contralto:
 "A String of Pearls" (Pohlitz).
 9.35 p.m.—Win and Winkle, English entertainers.
 9.49 p.m.—BROADCAST FROM THE CRYSTAL PALACE THEATRE, SYDNEY:
 Orchestral items.
 9.55 p.m.—From the Studio:
 Miss Dorothy Dewar, contralto.
 10 p.m.—"Big Ben."
 Jean Gerrard: Items on the Melo Piano.
 10.1 p.m.—Win and Winkle, English entertainers.
 10.16 p.m.—Miss Dorothy Dewar, contralto.
 10.23 p.m.—CRYSTAL PALACE ORCHESTRA.
 10.30 p.m.—From the Studio: An Original Radio Comedy, written by Collington Ball, entitled "The Mystery of the Closed House" Scene, An Old Country Mauncho.
 Characters:
 Miss Marchbanks, Miss Ruth Wilson, Delphine Harkley, Mr. Scott Alexander.
 10.45 p.m.—Broadcast from the Wentworth Hotel, Sydney: The New Westworth Symphony Dance Orchestra, under the baton of Mr. Frederick Leighton.
 11 p.m.—"Big Ben."
 Late news and announcements.
 11.5 p.m.—The Wentworth Cafe Dance Orchestra until 11.45 p.m.
 11.45 p.m.—"Big Ben."
 National Anthem.
 Close down.

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2BL, SYDNEY.

Saturday.

- 11 a.m.—G.P.O. Clock and chimes.
 11.15 a.m.—Musical programme from the studio.
 11.30 a.m.—News from the "Sun."
 11.59 a.m.—Recital Notes— Replies to correspondents.
 12 noon—G.P.O. Clock and chimes.
 12.1 p.m.—Special Ocean Forecast and weather report.
 12.5 p.m.—Musical programme from the studio.
 12.9 p.m.—News from the "Sun."
 12.15 p.m.—Musical programme from Studio.
 12.30 p.m.—G.P.O. Clock and chimes.
 12.51 p.m.—News from the "Sun."
 12.41 p.m.—Musical programme from the studio.
 1 p.m.—G.P.O. Clock and chimes.
 1.1 p.m.—Musical programme from the studio.
 1.15 p.m.—Talk on Sporting and athletic fixtures for the day: Lacrosse, Hockey, Tennis, Football, Sniffing, Rowing. During the afternoon sporting information will be broadcast by courtesy of the "Sun" Newspapers interspersed with musical programme from the studio.
 4.35 p.m.—Resumé of night's programme.
 5 p.m.—G.P.O. Clock and chimes.
 5.1 p.m.—Hearing Rooms.
 5.5 p.m.—Close down.

EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. Clock and chimes.
 5.46 p.m.—Uncle George and the Kiddies.
 5.48 p.m.—Musical programme from the studio.
 5.48 p.m.—Results of all sporting information (including racing, Box, Tennis, Swimming, Athletics, by courtesy of the "Sun").
 5.50 p.m.—Country News from the "Sun."
 6 p.m.—G.P.O. Clock and chimes.
 6.05 p.m.—Broadway Tones, Chorus.
 6.2 p.m.—King's Mandolin Orchestra.
 6.12 p.m.—Mr. Travers McQuire.
 6.14 p.m.—Miss Mabel Fotheringham (soubrette).
 6.16 p.m.—Mr. Reg. Harrison (comedian).
 6.20 p.m.—Mystery Item.
 6 p.m.—G.P.O. Clock and chimes.
 6.1 p.m.—King's Mandolin Orchestra.
 6.2 p.m.—Talk by Brings.
 6.30 p.m.—Mr. Travers McQuire.
 6.4 p.m.—Miss Mabel Fotheringham.
 6.50 p.m.—Mr. Reg. Harrison.
 10.5 p.m.—The Ambassadors, dance band broadcast from the Ballroom of the Ambassador. During intervals between dances news reports by courtesy of the "Sun" will be broadcast.
 11.30 p.m.—G.P.O. Clock and chimes.
 National anthem.

3LO, MELBOURNE.

Saturday.

NIGHT SESSION.

- Announcer MAURICE DUDLEY
 Accompanist AGNES FORTUNE.
 7.15 p.m.—DR. BROOKER NICHOLLS: A travestie in the North Island, New Zealand. "The Adventures of a Walking Stick."
 7.30 p.m.—MR. F. CHAPMAN: Darwin as a Geologist.
 7.45 p.m.—DR. LEACH: "Sandwiches and Stinks."
 8 p.m.—ST. VINCENT DE PAUL'S BAND: "Melodious Gems."
 8.10 p.m.—ELSA STRALIA AND MAXIM BRODIE: Maxim Brod' (Volga Boatman) (Chalmers). "Parried" (Chast). Elsa Stralia, "My Lovee Lad" (Phillips). Brod' "I Love the Moon" (Gott).
 8.25 p.m.—ST. VINCENT DE PAUL'S BAND: "Albion, Oh."
 "Meditation."
 8.55 p.m.—SAFFO ARNAV: "Manon Lescaut" (Puccini). "Join the Dance" (W. J. James). "But Hercules himself must yield to odds."—Shakespeare.

- 8.40 p.m.—MR. NORMAN McANCE will give a description of the WRESTLING MATCH at the Melbourne Stadium.
 10.15 p.m.—ST. VINCENT DE PAUL'S BAND: "Gems of Italian Opera."
 10.30 p.m.—SAFFO ARNAV: "Adio"—Bobemo (Puccini). "Primavera" (Trubittelli).
 10.25 p.m.—THE FUTURISTS present their Radio Revueette.

RANDOM RUMORS.

An opening chorus by the Company. Iva Vanda takes the Company hunting. A scherzetto. "Oh, by the way," Iva Vanda. Gus Dawson and Cyril Nothardt. Iva Vanda and Cyril Nothardt on his digital way. Iva Vanda and Gus Dawson whisper a few words of love to each other. The Company in a finale.

10.12 p.m.—Late sporting results. British official wireless news. Announcements.

- 10.25 p.m.—ST. VINCENT DE PAUL'S BAND: "Magnificat."
 "Famous Fragments."

11 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS FOR MOTORISTS:—Threading your way through traffic may result in an accident to you. In dense traffic keep in file and await your turn."

- 11.1 p.m.—JOE ARONSON AND HIS SYNCOPEATING SYMPHONISTS: "On the Riviera" (Rich). "By the Waters of Minnetonka" (Lizarsner). "Fut's Me Girl" (Davis). "Kiss a Maiden for Daddy" (Rout). "St. Louis Blues" (Handy). "Hi, Ho, Ho, Merry" (Brown). "You Need Somebody to Love" (Olson). "Calm Hawaiian Seas." "Stepping in Society" (A.H.). "Medieval" (Frozier). "Crowing the Fano" (Piano solo) (Country). "Sneek" (Donaldson). "I Wish You Happy" (Donaldson). "Magnolia" (Nichols). "How Could Red Riding Hood" (Rampaloff). "Clap Hands, Here Comes Charley" (Meyer). "While the Years Go Drifting By" (Kahn). "Some Other Bird Whistled a Tune" (Hewitt).
 11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE.

Saturday.

- NO MIDDAY TRANSMISSION.
 AFTERNOON SESSION.
 3.30 p.m.—A message for little listeners by "Miss Waratah."
 4.30 p.m.—Close down.
 EARLY EVENING SESSION.
 6.30 p.m.—Bedtime stories by Uncle Ben and Uncle Jim.
 6.35 p.m.—Racing results.
 7.20 p.m.—To-day's football play described.
 7.50 p.m.—Sailing notes by Mr. F. Smith.
 NIGHT SESSION.
 STUDIO-GAIETY THEATRE.
 FROM THE GAIETY THEATRE, TOLL WONG:
 8 p.m.—Orchestral music.
 FROM THE STUDIO:
 8.15 p.m.—Contralto solo. "Angels Guard Thee" (Goldsch). Mrs. Charles Willey, organ solo, selected. Mrs. Hilda Wolmer, tenor solo. "At Evening" (Gardner), Mr. Hamish Craigie.
 FROM THE GAIETY THEATRE:
 8.25 p.m.—Orchestral music.
 FROM THE STUDIO:

- 8.45 p.m.—Contralto solo. "Perhaps" (Percival). Mrs. Charles Willey, organ solo, selected. Mrs. Hilda Wolmer, tenor solo. "Angie Laurie" (Lehman), Mr. Hamish Craigie.

DANCE MUSIC FROM LEWISONS BALLROOM:
 9 p.m.—Dance music.
 FROM THE STUDIO.
 10 p.m.—"The Sunday Mail" News weather news.
 Close down.

5CL, ADELAIDE.

Saturday.

MORNING SESSION.

- 11 a.m.—G.P.O. chimes.
 11.1 a.m.—Recital on the "New Reproducing Sonora" and the "Antioch Reprodicer."
 11.30 a.m.—"Advertiser" news service.
 11.45 a.m.—Musical programme from the studio.
 12 noon—G.P.O. chimes and close down.
 AFTERNOON SESSION.
 12.45 p.m.—From Victoria Park racecourse—Description of the races by Mr. Arnold Trueman, interspersed with football and interstate sporting results.
 3.30 p.m.—Close down.

EVENING SESSION.

- 6 p.m.—G.P.O. chimes.
 6.1 p.m.—Relay from Covent Garden Restaurant—Orchestral selections.
 6.45 p.m.—Bedtime stories.
 7.30 p.m.—Market reports by Messrs. S. C. West and Co., E. Hill and Co., A. W. Sandford and Co., Daley and Co., S. A. Farmers' Co-op Union, Taylor Bros.
 7.40 p.m.—Sporting results.
 8 p.m.—G.P.O. chimes.
 8.7 p.m.—Song. Miss Kay Miller.
 8.5 p.m.—Mouth organ solo. Mr. E. Ruge.
 8.10 p.m.—Popular song. Mr. Marcus Taylor.
 8.15 p.m.—Radio Instrumental Trio.
 8.25 p.m.—Tense solo. Mr. Brumfield Rock.
 8.30 p.m.—Carmichael's Dance Orchestra.
 8.45 p.m.—Song. Miss Kay Miller.
 8.50 p.m.—Mouth organ solo. Mr. E. Ruge.
 8.55 p.m.—Selection, Radio Instrumental Trio.
 9 p.m.—G.P.O. chimes.
 9.1 p.m.—Carmichael's Dance Orchestra.
 9.15 p.m.—Song. Mr. Marcus Taylor.
 9.10 p.m.—Mouth organ solo. Mr. E. Ruge.
 9.25 p.m.—Radio Instrumental Trio.
 9.35 p.m.—Carmichael's Dance Orchestra.
 9.45 p.m.—Song. Miss Kay Miller.
 9.50 p.m.—Mouth organ solo. Mr. E. Ruge.
 9.55 p.m.—Song. Mr. Brumfield Rock.
 10 p.m.—G.P.O. chimes.
 10.1 p.m.—Sporting results.
 10.15 p.m.—Song. Miss Kay Miller.
 10.18 p.m.—Selection, Radio Instrumental Trio.
 10.30 p.m.—Carmichael's Dance Orchestra.
 11 p.m.—G.P.O. chimes and close down.
 (Programme subject to alteration.)

6WF, PERTH.

Saturday.

- 12 noon—Time in.
 12.5 p.m.—Musical programme, including pianoforte selections by Miss Evelyn Willis.
 A.R.C.M.
 12.45 p.m.—First local news bulletin.
 Market reports.
 Cables.
 1 p.m.—Time signal from Perth Observatory.
 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 1.5 p.m.—Close down.
 1.45 p.m.—Time in.
 1.50 p.m.—Uncles Perry and Bazz with the Radio Big Band.
 1.10 p.m.—Sports results by courtesy of "The Mirror" Newspaper Co.
 2.50 p.m.—Market reports.
 Cables. News by courtesy of "The West Australian" Newspaper Co.

ELSTREE SIX SOLODYNE NIGHT HAWK

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	POSITIONS						POSITIONS					POSITIONS				
	1st	2nd	3rd	4th	5th	6th	1st	2nd	3rd	4th	5th	1st	2nd	3rd	4th	5th
2 Volt Accumulators.	P.M. 1 H.F.	P.M. 1 H.F.	P.M. 1 H.F.	P.M. 1 H.F.	P.M. 1 H.F.	P.M. 2	P.M. 1 H.F.	P.M. 1 H.F.	P.M. 1 H.F.	P.M. 1 L.F.	P.M. 2	P.M. 1 H.F.	P.M. 1 H.F.	P.M. 1 H.F.	P.M. 1 L.F.	P.M. 2
4 Volt Accumulators.	P.M. 3	P.M. 3	P.M. 3	P.M. 3	P.M. 3	P.M. 4	P.M. 3	P.M. 3	P.M. 3	P.M. 4	P.M. 4	P.M. 3	P.M. 3	P.M. 3	P.M. 4	P.M. 4
6 Volt Accumulators.	P.M. 5a	P.M. 5a	P.M. 5	P.M. 5	P.M. 5	P.M. 6	P.M. 5	P.M. 5	P.M. 5	P.M. 6	P.M. 6	P.M. 5	P.M. 5	P.M. 5	P.M. 6	P.M. 6

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- 7.45 p.m.—Talk.
 8 p.m.—Time signal from Perth Observatory.
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 8.2 p.m.—Music and Song.
 Musical programme including artists:
 Mr. Frank Toser, Hawaiian Guitar Solo.
 Mr. R. G. Buchanan, tenor.
 Mr. Billy Edwards, entertainer.
 Miss Flora Crooks, soprano.
 Miss Evelyn Willis, A.R.C.M., pianist.
 Dance music by Ron Meyle and his band, relayed from the Cremorne Dance Hall.
 Orchestral music, by the Lyric Theatre Orchestra, relayed from the Lyric Theatre, Maylands.
 11 p.m.—Late news items by courtesy of "The Daily News" Newspaper Co.
 Ships within range announcement.
 Sports results by courtesy of "The Mirror" Newspaper Co.
 Weather report and forecast.
 10.30 p.m.—Close down.

7ZL, HOBART

Saturday

- MORNING SESSION.**
 12 noon—Chimes and time signal.
 12.1 p.m.—Tune in selection.
 12.5 p.m.—British official wireless news.
 12.30 p.m.—Musical selection.
 12.45 p.m.—Shipping information.
 12.40 p.m.—Mail notices.
 Commercial intelligence.
 Housewife's guide.
 Sporting announcements.
 12.50 p.m.—Hobart Stock Exchange quotations.
 12.55 p.m.—Foreign Exchange Market.
 1 p.m.—Musical items from the Studio.
 1.10 p.m.—Luncheon talk or musical items.
 1.25 p.m.—Rout express information.
 2 p.m.—Close down.
- AFTERNOON SESSION.**
 2 p.m.—G.P.O. Clock Chimes.
 2.1 p.m.—Relay broadcast description of Football or Races, interspersed with Musical Selection from the Studio.
 Close down.

EARLY EVENING SESSION.

- 6.30 p.m.—7.30 p.m.—Children's Hour.
 7.30 p.m.—Musical Selection.
NIGHT SESSION.
 7.35 p.m.—Educational Talk.
 7.50 p.m.—"Mereaf" 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 p.m.—Selections from the Studio.
 8.20 p.m.—Dance numbers from outside points.
 8.30 p.m.—British official wireless news.
 Weather synopsis.
 Station announcements.
 10.00 p.m.—Conclusion of Dance Music.
 Midnight.—Close down.

Sunday, June 12

2FC, SYDNEY.

MORNING SESSION.

- 10.40 a.m.—Programme announcements.
 10.55 a.m.—The bells of St. Mark's.
 11 a.m.—"Big Ben." From St. Mark's Church of England, Darling Point. The morning service, conducted by the Rev. Rix.
 Approx.
 11.15 a.m.—From the Studio—News Items.
 12.20 p.m.—Close down.

- AFTERNOON SESSION.**
 2.15 p.m.—Programme announcements.
 2.30 p.m.—From the Sydney Town Hall. A sacred and classical concert for the benefit of the United Charities Fund's "Rose Day" Appeal.
 The bands taking part—
 The Manly Municipal Military Band.
 The N.S.W. Fire Brigades' Band.
 Conductor, Mr. J. Pheloung.

Assisting artists:
 Miss Mabel Batchelor, soprano.
 "The Four Waifs" Vocal Quartette.

- 2.51 p.m.—The Manly Municipal Military Band.
 3 p.m.—Miss Mabel Batchelor, soprano:
 "Noble Strain" (Meyerbeer).
 3.1 p.m.—The Manly Municipal Military Band.
 3.30 p.m.—"The Four Waifs" Vocal Quartette.
 3.50 p.m.—Grand Overture, "Soloselo, 1812" (Tschalkowsky).

THE MASSES BANDS.

Synopsis: The "1812" Overture was composed by Peter Ilich Tschalkowsky for the consecration of the great cathedral of the Saviour in Moscow, erected to glorify the victory of arms over the French at Borodino, when nearly 80,000 men were killed or wounded. It was arranged that during the consecration there should be firing of cannon at the final triumph of the Russian hymns. The feature is undoubtedly the work's most mighty and most wonderful work, portraying the Titanic struggle.

- 3.50 p.m.—Appeal to Listeners-in by the Hon. Sir Albert Gould, K.M., V.D., chairman of the United Charities Fund.
 4 p.m.—Interval during which items will be given from the Studio.
 4.5 p.m.—"The Four Waifs" vocal quartette, from the Sydney Town Hall.
 5.12 p.m.—Selection by the N.S.W. Fire Brigades' Band.
 5.30 p.m.—Miss Mabel Batchelor, soprano:
 "A Ruschud" (Arditti).
 5.35 p.m.—"The Four Waifs" Vocal Quartette.
 5.45 p.m.—The Manly Municipal Military Band.
 5 p.m.—God Save the King.
 Close down.

EVENING SESSION.

- 6 p.m.—"Big Ben" and programme announcements.
 6.10 p.m.—From the Pitt Street Congregational Church, Sydney. An organ recital by Mr. E. J. Johnson.
 1. "Choral Preludes" (Max Reger).
 0.12 p.m.—2. "Choral Preludes" (Bach).
 0.18 p.m.—3. "Choral Preludes" (Rohmann).
 0.20 p.m.—4. "Sonata in D Flat" (Brahms).
 0.44 p.m.—5. "Allarghetto" ("Hymn of Praise" (Mendelssohn).
 0.50 p.m.—6. "Two Sketches" (Schumann).
 7 p.m.—The evening service from the Pitt Street Congregational Church. Preacher, the Rev. E. K. Ruth.
 8.30 p.m.—From the Strand Theatre, Leichhardt. A concert arranged by the Leichhardt District Band. Conductor, Mr. E. P. Kerr.
 Song, "In the Springtime" (Newton), Miss Rosina Smith.
 8.36 p.m.—Violin solo, Miss A. Stroud.
 8.41 p.m.—March, "Toccador" (Bisetti). Leichhardt District Band.
 From the Strand Theatre, Leichhardt.
 8.47 p.m.—Overture, "The Giovanni" (Mazzini). Leichhardt District Band.
 8.53 p.m.—Song, "For you alone" (Gibbet).
 Mr. William Green, tenor.
 8.58 p.m.—Selection, "Paisiemo" (Sollivan). The Leichhardt District Band.
 9.16 p.m.—Song, "Sing Merrily Today" (Phillips), Miss Rosina Smith.
 9.23 p.m.—Coral, solo, "My Pretty Jane" (Hartmann), Mr. Lorne Martin.
 9.30 p.m.—Violin solo, Miss Stroud.
 9.36 p.m.—Hymns:
 (a) "Nearer my God to Thee" (Mason).

- (b) "Rock of Ages" (Redford).
 The Leichhardt District Band.
 9.41 p.m.—Selection, "Blue Time" (arr. Clouston), the Leichhardt District Band.
 9.55 p.m.—Song, "Quinta O'Quinta" (From "Rigoletto"), Mr. William Green, tenor.
 9.58 p.m.—March, "Irene Springs" (Greenwood), the Leichhardt District Band.
 10.3 p.m.—National Anthem.
 Close down.

2BL, SYDNEY

Sunday

- 10.45 a.m.—Special news service.
 11 a.m.—Service broadcast from St. John's Church of England, Randwick.
 2.50 p.m.—Studio concert.
 4.30 p.m.—Bible Class Conducted by Mr W. "Cairo" Bradley.
 5.15 p.m.—Close down.
 5.45 p.m.—Children's service.
 7 p.m.—Service broadcast from Chinese Presbyterian Church.
 8.30 p.m.—Band recital by the North Sydney Trainers' Band, under Conductor W. T. Barne. Broadcast from the Manresa Hall, North Sydney.

2GB, SYDNEY

Sunday.

MORNING SESSION.

- 10.20 a.m.—Music from St. Alban's Liberal Catholic Church, Redfern.
 10.40 a.m.—Morning Service from St. Alban's Liberal Catholic Church, Redfern.
 12 noon—Close down.

EVENING SESSION.

- 8.43 p.m.—Music from the Studio.
 9 p.m.—Lecture from Adyar Hall, by Professor Ernest Wood.
 8 p.m.—Instrumental Quartette:
 HAN SCULLY, MONICA BORDER HEAR, VIKRIDE, N. INGAMELLES.
 8.15 p.m.—Songs.
 8.23 p.m.—Violin Solo by MONICA BORDER.
 8.32 p.m.—Songs.
 8.40 p.m.—Talk.
 9 p.m.—Close down.

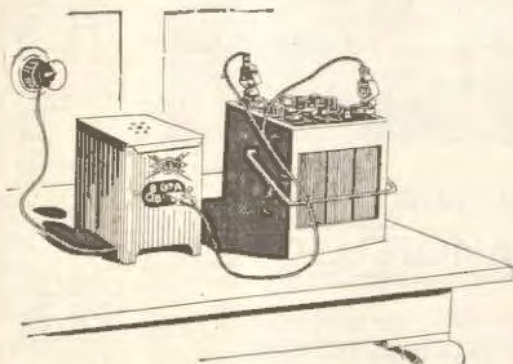
3LO, MELBOURNE.

Sunday.

MORNING SESSION.

- "When over the street the morning peal is rung
 From our tall belfry with a brazen tongue,
 Do ye wondrous wonders, waked by the gale,
 To each far listener tell a different tale."
 —Holmes.

- 18.30 p.m.—St. Paul's Cathedral bells.
 10.40 a.m.—Express train information.
 British Official Wireless news.
 11 a.m.—SERVICE FROM INDEPENDENT CHURCH.
 Preacher, Rev. D. E. Warham, M.B., of Northern Rhodesia.
 Hymn 575, "Come down, Lord, descend and dwell."
 Prayer in invocation.
 Lord's Prayer, chanted.
 Hymn 387, "When this passing world is done."
 Scripture lesson.
 Main Quartette: "Hark! there comes a whisper."
 Prayer.
 Anthem, "Come, O Creator spirit" (Noble) offerings.
 Announcements.
 Hymn 423, "Praise our the name."
 SERMON, Rev. H. E. Warham, M.B.
 Hymn 511, "Lord of the Living Harvest."
 Benediction.
 12.15 p.m.—Close down.



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AFTERNOON SESSION.

2.15 p.m.—BRUNSWICK CITY BAND. Bandmaster, Mr. Hugh Niven:

- March, "La Vivandiere" (Rimmer)
- Overture, "The Bohemian Girl" (Balfe)
- ANGELIE, "The Grey Clouder" (Rimmer)
- Selection, "Faust" (Gounod)
- Corset Solo, "The Last Cloud" (Sullivan)
- Soloist: TIEB FARRALL
- March, "Europe United" (Zehle)

3 p.m.—PLEASANT SUNDAY AFTERNOON, WESLEY CENTRAL MISSION:

- Chairman, Rev. J. H. CAIN
- Conductor, Mr. G. M. WILLIAMS
- Orchestral Selection.
- Hymn, "All people that on earth do dwell"
- Prayer, Rev. G. Irving Benson
- Hymn, "Sowing the Seed"
- Solo, Madame Ida Osborne: "Beyond the Dawn" (Santerser)
- Orchestral Selection.
- Solo, Madame Ida Osborne: "The Promised Land" (Haydn)
- Notices.
- Offering.
- Orchestral Selection.
- Address.
- National Anthem.
- 4.20 p.m.—Close down.

EVENING SESSION.

CHILDREN'S HOUR.

HYMNS BY "THE FIED PIPERS."

- 5.30 p.m.—Hymns by "THE FIED PIPERS"
- 6.40 p.m.—Answers to Letters and Birthday Greetings.
- 6 p.m.—Musical Programme by "THE FIED PIPERS"
- 6.25 p.m.—"BILLY BUNNY": "The Life of Gordon"
- "These evening bells! these evening bells! How many a tale their music tells. Of youth, and home, and that sweet time, When last I heard their soothing chime!"—Moore.
- 6.45 p.m.—St. Paul's Cathedral Bells.

NIGHT SESSION.

7 p.m.—ST. PAUL'S CATHEDRAL. Evening Service FROM THE STUDIO.

8.30 p.m.—JOE ARONSON'S SYMPHONY ORCHESTRA:

- Overture, "Romeo" (Berold)
- 5.30 p.m.—TOM CRIBBS, Horn Solo: "Give Warm" (Liska)
- 6.41 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR 70-DAY IS: ALL DRIVERS! Never turn to the right, slow down or stop without giving the proper signal. Never on any account put out your right arm when you are going to turn to the left.

8.11 p.m.—MAXIM BRODIE, Tenor: "Home" (Gretchenbach), "La Paloma" (Yradier)

8.48 p.m.—JOE ARONSON'S SYMPHONY ORCHESTRA: Scotch Melodies: "The Thistle" (Myddleton), "Tom Jones" (German), "Kisseloff" (Toschi)

9.1 p.m.—JOE ARONSON'S SYMPHONY ORCHESTRA: "Rhapsody Otrava" (Riva Aguilera) (Bühmann)

9.15 p.m.—"ERING TRIO" CARLO FRANK and ANTONIO BRIGLIA: "Trio on the Opera L'Opera" (Arnie), "By the Lake of Geneva"—Suite Part 2 (Benda)

9.25 p.m.—ELSA STRALIA and MAXIM BRODIE: "Thru' 'O, Lovely Night" (Ronald)

9.28 p.m.—JOE ARONSON'S SYMPHONY ORCHESTRA: "Egyptian Ballet" (Liszt)

9.40 p.m.—"Arya" news service. British Official Wireless news. Meteorological information. Announcements.

9.50 p.m.—JOE ARONSON'S SYMPHONY ORCHESTRA: "Bianchetto" (Verdi) Grand Selection. "OUR GREAT THOUGHT": "The chief secret of comfort lies in not suffering trifles to vex us, and in prudently

cultivating our undergrowth of small pleasures, since very few great ones, alas, are let on long leases."—Sharp. 10 p.m.—GOD HAVE THE KING.

4QG, BRISBANE.

Sunday.

ALL SAINTS' CHURCH. The complete morning service will be relayed from All Saints' Church of England, Wickham Terrace, Brisbane.

11 a.m.—Church Service. 12.30 p.m.—Close down.

BAND CONCERT.

The concert by the Federal Band (conductor, Mr. W. H. Davis) will be relayed from the Botanic Gardens. 3.15 p.m.—March, "The Black Knight" (Rimmer); overture, "Who's Dat a-Calling" (Hawkins); Intermezzo, "Cherlin" (Fincker); selection, "Pirates" (Bullion); entrance, "The Wind" (Haller); fox-trot, "Lulu Lu" (Hall); hymns, selected (Loud); march, "Arabian" (Rimmer). 4.20 p.m.—Close down.

ALL SAINTS' CHURCH.

The complete evening service will be relayed from All Saints' Church of England, Wickham Terrace, Brisbane. 7.50 p.m.—Church service. 9.30 p.m.—Conclusion.

BAND CONCERT.

At the conclusion of the church service the Band Concert provided by the Brisbane Municipal Concert Band (conductor, Mr. E. Jackson) will be relayed from Wickham Park. 8.30 p.m.—Band concert. 9.30 p.m.—Close down.

SCL, ADELAIDE.

Sunday.

MORNING SESSION. 11 a.m.—G.P.O. chimes. 11.1 a.m.—Relay from St. Bartholomew's Church. 12.20 p.m.—Close down.

EVENING SESSION.

- 6.30 p.m.—G.P.O. chimes.
- 6.31 p.m.—Summer stories for the children.
- 7 p.m.—Bells from the Black Forest Baptist Church.
- 8.15 p.m.—Venetian Trio.
- 8.25 p.m.—Song, Mr. Frank McCabe
- 8.34 p.m.—Banjo solo, Mr. Seth Smyth.
- 8.35 p.m.—Recitation, Mr. Geo. Whittle.
- 8.38 p.m.—Venetian Trio.
- 8.45 p.m.—Song, Mr. Frank McCabe.
- 8.51 p.m.—Banjo solo, Mr. Seth Smyth.
- 8.55 p.m.—Pianoforte solo, Mr. Tom King.
- 8.59 p.m.—Announcements.
- 9 p.m.—G.P.O. chimes.
- 9.1 p.m.—Weather.
- 9.1 p.m.—Talk by Mr. P. H. Nichols, "John Ruskin"
- 9.17 p.m.—Venetian Trio.
- 9.25 p.m.—Song, Mr. Frank McCabe.
- 9.30 p.m.—Recitation, Mr. Geo. Whittle.
- 9.36 p.m.—Selection, Venetian Trio.
- 9.45 p.m.—Banjo solo, Mr. Seth Smyth.
- 9.50 p.m.—Selection, Venetian Trio.
- 10 p.m.—G.P.O. chimes and close down.

6WF, PERTH.

Sunday.

- 10.45 a.m.—Tune in.
- 11.0 a.m.—Morning Service relayed from the Salvation Army Barracks, Pier Street, Perth.
- 3.15 p.m.—Tune in.
- 3.15 p.m.—Lieut. Col. Le Soeur, will speak on "The Acclimatization of Birds and Animals."
- 3.20 p.m.—R.S.L. Band and Vocal Concert relayed from the Zoological Gardens, South Perth. Conductor, MR. J. B. GEARY.

- 5.0 p.m.—Close Down.
- 5.9 p.m.—Tune in.
- 7.5 p.m.—Children's Bedtime Stories.
- 7.50 p.m.—Evening Service relayed from the Congregational Trinity Church, St. George's Terrace, Perth.
- 8.45 p.m.—FROM THE STUDIO: Concert by the Perth Union Band. Conductor, MR. W. A. HALVORSEN.
- 10.0 p.m.—Close Down.

7ZL, HOBART

Sunday.

- MORNING SESSION. 11 a.m.—Church Service. 12.30 p.m.—Close down.
- AFTERNOON SESSION. 3 p.m.—G.P.O. Clock Chimes. 5.1 p.m.—Pleasant Sunday Afternoon Concert. 6.40 p.m.—Close down.
- EARLY EVENING SESSION. 6.30 p.m.—7 p.m.—Children's Hour.
- NIGHT SESSION. 7 p.m.—8.20 p.m.—Church Service. 8.31 p.m.—Studio Concert. 8.45 p.m.—"Mercury" news service. British official news. Weather forecast. Station announcements. Close down.

Monday, June 13 2FC, SYDNEY.

- EARLY MORNING SESSION. 7 a.m.—"Big Ben" and announcements. 7.5 a.m.—Music from the studio. 11.5 a.m.—Country session—Official weather forecast; rainfall; temperatures; Astronomical memoranda; shipping intelligence; mail services.
- 1.35 p.m.—Investment market, mining share market, metal markets.
- 7.35 a.m.—Wool sales, breadstuffs markets, Inter-State markets, produce markets.
- 7.45 p.m.—"Sydney Morning Herald" summary.
- 8 a.m.—"Big Ben" Close down.
- MORNING SESSION. 10 a.m.—"Big Ben" and announcements. 10.5 a.m.—Studio music. 10.15 a.m.—"Sydney Morning Herald" news service. 10.49 a.m.—Studio music. 11 a.m.—"Big Ben" A.P.A. and Ruster's "Gaiety". 11.19 a.m.—A talk by the 2FC, Racing Commissioner. 11.30 a.m.—Marching music for the school children. 11.55 a.m.—Close down. 12 noon.—"Big Ben" and programme announcements. 12.2 p.m.—Stock Exchange, first call. 12.3 p.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail-services. 12.5 p.m.—Studio music. 12.10 p.m.—Summary of "Sydney Morning Herald" news service. British wireless news. 12.35 p.m.—FROM THE CHURCH: ST. LAURENCE, GEORGE STREET, SYDNEY.
- A Recital by the well known Organist, Dr. Jarman, recently returned to Sydney from an extended absence abroad. 12.55 p.m.—Miss Faith Malloy, soprano—FROM THE STUDIO—"Winds in the Trees" (Thomas). 1 p.m.—"Big Ben" Weather intelligence. 1.2 p.m.—"Evening News" midday news service. Producer's Distributing Society's report. 1.20 p.m.—Studio music. 1.30 p.m.—Stock Exchange, second call. 1.39 p.m.—Marching music for school children. 1.40 p.m.—Miss Faith Malloy, soprano—"If the Storm comes to sell" (Ireland). 1.45 p.m.—Studio music. 2 p.m.—"Big Ben" Close down.

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AFTERNOON SESSION.

- 3 p.m.—"Big Ben." Programme announcements.
 3.5 p.m.—A violin recital arranged by Mr. S. Vost Jansen.
 3.59 p.m.—Marching music for school children.
 3.49 p.m.—FROM FARMER'S TEA ROOMS—Miss Eileen Moran, soprano.
 "Out of the Darkness" (D. Harleld).
 3.40 p.m.—FROM THE STUDIO—A talk.
 4 p.m.—"Big Ben." FROM FARMER'S TEA ROOMS—Miss Dorothy Hobson, contralto.
 "The Moonlit Road" (Squier).
 4.5 p.m.—FROM THE STUDIO—Miss Kitty Poole, soubrette.
 "You've got to be good" (Misty Bree).
 4.10 p.m.—Miss Gwladys Finlester, soprano.
 4.15 p.m.—Studio music.
 4.20 p.m.—FROM FARMER'S TEA ROOMS: Miss Eileen Moran, soprano.
 "Because do Jockily" (L. Harleld).
 4.25 p.m.—FROM THE STUDIO: Miss Kitty Poole, soubrette.
 "I'll be your baby vampire" (Doto).
 4.25 p.m.—Studio music.
 4.33 p.m.—Miss Gwladys Finlester, soprano.
 4.38 p.m.—STUDIO MUSIC.
 4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Dorothy Hobson, contralto.
 "Life is a Caravan" (Del Negro).
 4.45 p.m.—Sinec Exchange, third call.
 4.46 p.m.—Studio music.
 6 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

- 6.45 p.m.—The Chimes of 5 P.C.
 6.56 p.m.—The "Hello Man" Talks to the Children.
 6.59 p.m.—A Serial Story.
 6.45 p.m.—Dinner Music.
 7 p.m.—"Big Ben." Late arrivals.
 7.10 p.m.—Dolce's Market reports (Wool, Wheat, and Stock).
 7.18 p.m.—Fruit and Vegetable Markets.
 7.20 p.m.—Weather and shipping intelligence.
 7.24 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.45 p.m.—Programme announcements.
 7.59 p.m.—Mr. Alex. Whitson, baritone:
 (a) "Allah" (Wibley).
 (b) "Song of Triumph" (Anderson).
 8 p.m.—"Big Ben." FROM THE KING'S HALL, SYDNEY. A Public debate arranged by the Sydney School of Arts Debating Club, which is the oldest Legislature of its kind in the Southern Hemisphere. It was founded in 1844, and through its ranks have graduated a large number of our public men. Of these, the following may be mentioned—
 The Rt. Hon. Sir George Reid.
 The Rt. Hon. Sir Edmund Barton.
 The Rt. Hon. W. M. Hughes.
 The Rt. Hon. E. O'Connor, (Second Prime Minister, High Court of Australia).
 Sir William McMillan, and
 The Hon. W. A. Holman.
 The subject for discussion this evening is GREAT PARTY GOVERNMENT IS THE BEST MEANS YET DEvised FOR CARRYING ON THE BUSINESS OF THE STATE.

- 8.2 p.m.—Chairman's remarks.
 8.5 p.m.—The Right Hon. W. M. Hughes will affirm.
 8.50 p.m.—Mr. J. S. Stanton will oppose the motion.
 9 p.m.—The Hon. W. A. Holman will speak to the motion.
 9.38 p.m.—Mr. V. T. Kilder will oppose.

NOTE.—After ceasing back to the Studio at 10 o'clock, Mr. Hughes will sum up to the result of the debate, the transmission will cease at 10 p.m.

- 10 p.m.—"Big Ben." FROM THE STUDIO: The 2FC Dance Band (Conductor, Mr. Eric Draxler).
 10.8 p.m.—Mr. Alex. Whitson, Baritone:
 (a) "Glimpse Lane Song" (Herbert).
 (b) "Friend" (Davies).
 10.14 p.m.—The 2FC Dance Band.
 10.26 p.m.—Miss Maids Jones, soubrette.
 10.30 p.m.—The 2FC Dance Band.

- 10.40 p.m.—Miss Maids Jones, soubrette.
 10.45 p.m.—The 2FC Studio Dance Band.
 10.55 p.m.—Miss Maids Jones, soubrette.
 11.0 p.m.—"Big Ben." Late news and announcements.
 11.2 p.m.—The 2FC Dance Band in popular numbers until 11.15 p.m.
 11.15 p.m.—National Anthem.
 Close down.

2BL, SYDNEY.

Monday.

- 11.1 p.m.—G.P.O. Clock and chimes.
 11.1 p.m.—Musical programme from the studio.
 11.0 p.m.—News from the "Sun."
 11.20 p.m.—Talk on "Tonic" by Miss Gwen Varley, Broadcasters' Women's Sports Authority.
 Social Notes—Hellas to Correspondents by Mrs. Jordan. Talk on "What our Sisters in Paris are Wearing" by Mrs. Jordan.
 12 noon.—G.P.O. Clock and chimes.
 12.1 p.m.—Special Ocean Forecast and weather report.
 12.3 p.m.—Musical programme from the studio.
 12.13 p.m.—Information—Mails and shipping and movements of important ships.
 12.10 p.m.—Sydney Stock Exchange calls.
 12.18 p.m.—Boats in call by wireless.
 12.20 p.m.—Fruit Market report.
 12.21 p.m.—Vegetable Market Report.
 12.22 p.m.—London Market Report.
 12.24 p.m.—Dairy and Farm Produce Market Report.
 12.30 p.m.—G.P.O. Clock and chimes.
 12.31 p.m.—Musical programme from studio.
 12.40 p.m.—Sporting information (Sun).
 12.45 p.m.—Hellas' Instrumental Quartet—directions—Caryl Castles.
 1.20 p.m.—G.P.O. Clock and chimes.
 1.31 p.m.—News from the "Sun."
 1.40 p.m.—Musical programme from the studio.
 1.50 p.m.—Sydney Stock Exchange calls.
 1.54 p.m.—News from the "Sun."
 2 p.m.—G.P.O. Clock and chimes.
 2.1 p.m.—Talk to Children and special entertainment for Children in Hospital.
 2.20 p.m.—News from the "Sun."
 2.30 p.m.—G.P.O. Clock and chimes.
 2.31 p.m.—Musical programme from the studio.
 2.41 p.m.—News from the "Sun."
 2.50 p.m.—News from the "Sun."
 3 p.m.—G.P.O. Clock and chimes.
 3.1 p.m.—News from the "Sun."
 3.15 p.m.—Musical programme from the studio.
 3.20 p.m.—G.P.O. Clock and chimes.
 3.31 p.m.—Talk on "The Grand Operas" illustrated by H.M.V. Records.
 3.50 p.m.—News from the "Sun."
 4 p.m.—G.P.O. Clock and chimes.
 4.1 p.m.—Musical programme from the studio.
 4.15 p.m.—Serial story.
 4.20 p.m.—G.P.O. Clock and chimes.
 4.31 p.m.—Musical programme from Studio.
 4.41 p.m.—News from the "Sun."
 4.50 p.m.—Racing Resume.
 4.52 p.m.—Producers' Distributing Society's Fruit and Vegetable Market report.
 4.55 p.m.—Resume of night programme.
 4.56 p.m.—Announcements.
 4.58 p.m.—Special Ocean Forecast.
 5 p.m.—G.P.O. Clock and chimes. Close down.

EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. Clock and chimes.
 5.46 p.m.—Daddy Langley and Kiddles.
 5.40 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 reports and forecast by courtesy of Govt. Meteorological Observers.
 Distributing Society's Fruit and Vegetable Market report.
 Exchange reports.
 Grain and Fodder report (Sun).
 Dairy Produce report (Sun).
 7.16 p.m.—Country news from the "Sun."
 7.20 p.m.—Talk on "The Care of the Eyes" by Mr. Fexterson.
 8 p.m.—G.P.O. Clock and chimes.
 Broadcasters' Topical chorus.

- 8.3 p.m.—Newtown Band broadcast from Industrial Hall, Newtown.
 8.23 p.m.—Walter George's Simari Set Show.
 8.25 p.m.—Broadcastery. All-sports export will talk on general sporting.
 8.38 p.m.—Newtown Band.
 8.54 p.m.—Weather report and forecast by courtesy of Mr. C. J. Marrs, Govt. Meteorologist.
 10 p.m.—G.P.O. Clock and chimes.
 Resume of following day's programme.
 11 p.m.—Mr. Leonard Mars, bassist.
 10.12 p.m.—Mr. Raimund Pechelach, (violinist).
 10.12 p.m.—Midge Jansen, (soprano).
 10.20 p.m.—News items by courtesy of the "Sun" newspapers.
 10.48 p.m.—Mr. Leonard Mars.
 10.48 p.m.—Midge Jansen.
 11 p.m.—G.P.O. Clock and chimes.
 National Anthem.

2GB, SYDNEY

Monday.

- MORNING SESSION.
 9 a.m.—Music.
 9.5 a.m.—"Cretio" Talk.
 9.15 a.m.—Music.
 9.28 a.m.—Psychological Class.
 9.40 a.m.—Music.
 9.45 p.m.—Health and Diet.
 10 a.m.—Close down.

AFTERNOON SESSION.

- 3.30 p.m.—Music.
 3.47 p.m.—Talk.
 3.55 p.m.—Music.
 4.7 p.m.—Talk.
 4.15 p.m.—Music.
 4.30 p.m.—Close down.
 EVENING SESSION.
 6.30 p.m.—Children's Session.
 7 p.m.—Music.
 7.5 p.m.—Talk.
 7.15 p.m.—Music.
 7.30 p.m.—Talk.
 7.40 p.m.—Music.
 7.58 p.m.—Talk.
 7.58 p.m.—Instrumental Trio.

- DAN SCULLY, MONICA LANG, ADA BROOK.
 8.5 p.m.—Address by Professor Ernest Wood.
 8.20 p.m.—Songs by Madame Weidell.
 1. "The Wanderer" (Schubert).
 2. "Holgerone" (Schubert).
 3.5 p.m.—Piano Solo by ADA BROOK:
 1. "Polonaise" (Chopin).
 8.38 p.m.—Instrumental Quartet:
 DAN SCULLY, MONICA LANG, ADA BROOK, MURIEL LANG, ADA BROOK.
 9 p.m.—Topical talk.
 9.15 p.m.—Violin Solo by DAN SCULLY.
 1. "Crescendo" (Vivaldi).
 9.25 p.m.—Musical Monologues by J. E. Powell.
 9.37 p.m.—Diets for two violins with piano accompaniment.
 DAN SCULLY, MONICA LANG, ADA BROOK.
 9.45 p.m.—Songs by MADAME WEIDELL:
 1. "The Blue Sweet Peas" (Schubert).
 2. "God In Spring" (Schubert).
 9.53 p.m.—Chorus Talk.
 10 p.m.—Close down.

3LO, MELBOURNE.

Monday.

- MIDDAY SESSION.
 THE STUDIO ORCHESTRA.
 12 noon.—Time Herald, British Official news from Rugby, Reuters' and The Australian Press Association Cables "Argus" and "Herald" news services.
 12.20 p.m.—OWARA AND BURRE Entertainers from the Emerald Isle:
 OWARA, OWARA:
 "The Darling Girl from Clare" (French and Collins).
 "The Old Irish Mother of Mine" (Van Thier).
 ANNA BURRE:
 "The Old Irish Mother of Mine" (Van Thier).

SUMMING UP on Battery Value

Setting aside technical discussions, there is one safe and simple way of judging battery value that cannot fail to lead to satisfaction.

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Charles Street, Adelaide

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

S-B

12.30 p.m.—STUDIO ORCHESTRA:
"Poe and Peasant."
12.40 p.m.—Stock Exchange information.
12.45 p.m.—AGNES FORTUNE, Piano:
"Night in May" (Palmgren).
12.50 p.m.—JOE BRENNAN AND IDA
NEWTON
"Selling a Sewing Machine."
1 p.m.—AN HOUR OF MELODY.
1.05 p.m.—STUDIO ORCHESTRA:
"The Enchantress" (Lobertus).
1.10 p.m.—Meteorological information: Ship-
ping intelligence. Weather forecast for
Victoria, Tasmania, South Australia and
New South Wales. Ocean forecast: River
reports.
1.15 p.m.—GRACE JACKSON, Contralto:
"The Silver Ring" (Chaminade).
"O Whistle and I'll Come to Ye"—Old
Scotch.

1.25 p.m.—STUDIO ORCHESTRA:
"Wagner et Verdi" (Pezzan).
1.30 p.m.—WALTER SMITH, Cornet:
"Diploma Polka" (Bachmann).
1.37 p.m.—"THE FUTURISTS" present their
Radio Revue:
"HOTCH—POTCH"
The Company sing an Opening Chorus.
JERIAL DESMOND and CYRIL NORTH-
COTE have a few words together.
IRA VANDA will entertain you for a while.
A Socratic. "IT'S NEVER TOO LATE
TO MEND."
CYRIL NORTHCOTE, GUS DAWSON and
IRA VANDA
DISMAL DESMOND in fresh imities.
The Company sing "Finales."
1.52 p.m.—STUDIO ORCHESTRA:
"Norwegian Suite" (Schytte).
1.57 p.m.—GRACE JACKSON, Contralto:
"There's a Song down every roadway"
(Wood).
2 p.m.—Close down.

AFTERNOON SESSION.

THE STUDIO ORCHESTRA
"ART IN THE HOME."
2 p.m.—STUDIO ORCHESTRA:
"Serenade" (Balzani).
2.10 p.m.—MRS. DOROTHY SILK:
"Homestead."
2.25 p.m.—ARTHUR DOUGLAS, Comedian:
"A Little Scotch Home."
2.32 p.m.—STUDIO ORCHESTRA:
"A Little Dutch Girl" (Komm).
2.41 p.m.—AGNES FORTUNE AND C.
RICHARD CHUGG, Piano and Flute Re-
cital:
"Grand Sonata in G Major" (Bach).
Op. 28, No. 7.
2.45 p.m.—MADOLINE KNIGHT, Contralto:
"Spring of Poesy" (Pfitzner).
"Thank God for a Garden" (Del Belge).
2.47 p.m.—STUDIO ORCHESTRA:
"Indian Lament" (Thomas).
"Chanson" (Pfitz).
2.55 p.m.—ARTHUR DOUGLAS, Comedian:
"Bandaberg" (Walker).
3.02 p.m.—STUDIO ORCHESTRA:
"Serenade Norwegian" (Bantre).
3.07 p.m.—MADOLINE KNIGHT, Contralto:
"I did not know" (Trotter).
"My Tank" (Ashford).
3.10 p.m.—MISS FLORA BELL:
Domestic Science.
3.15 p.m.—"Herald" News service: Stock
Exchange information.
3 p.m.—Close down.
Results of Richmond Trailing Meeting will
be given as they come to hand.

EVENING SESSION.

CHILDREN'S HOUR
"If the world does improve as the whole,
yet youth must always begin show, and go
through the stages of culture from the
beginning."—Goethe.
3.30 p.m.—Answers to Letters and Birthday
Greetings.
3.35 p.m.—GRACE JACKSON, Contralto:
"Robin Adair" (Old Scotch).
"Kilvin Grove" (Old Scotch).
3.47 p.m.—"LITTLE MISS KOOKABURRA"
"A Little Loud Lady"
(A Story for her little "Kookaburraettes.")
3.47 p.m.—GRACE JACKSON, Contralto:
"The Merry Dancer" (Molloy).
"Don't you mind it, Honey" (Roma).

3.45 p.m.—CAPTAIN DONALD MACLEAN:
"Captain Avery"—The Grand Pirate.
3.50 p.m.—Official Report of Newmarket Stock
Sales. Numbers of Sheep and Cattle drawn
for week's sales.
3.55 p.m.—"Argus" News service. "Herald"
news service. Weather synopses. Shipping
movements.
3.57 p.m.—Stock Exchange information.
3.55 p.m.—Fish Market reports by J. R. Bos-
sett, Ltd. Bahik fishes.
3.58 p.m.—River reports.
3.58 p.m.—Market reports by the Victorian
Producers' Co-operative Co. Ltd. Newmar-
ket Sheep sales. Poultry, Grain, Hax, Chad,
straw, Vase, Dairy Produce; Hides and
Ontions.
4 p.m.—Fish Market reports by the Victo-
rian Wholesale Fishery's Association,
conducted by the "Fruit World," exclusive
to S.L.G.

NIGHT SESSION.

7.15 p.m.—Under the auspices of the BOY
SCOUTS' ASSOCIATION, Commissioner
DR. C. J. McADAM will speak on:
"Important Forthcoming Activities."
7.45 p.m.—MR. E. C. H. TAYLOR:
"The Boy Scouts and Scotch Song."
7.48 p.m.—Under the auspices of the AGRI-
CULTURAL DEPARTMENT, MR. J. M.
WALD, Sup't. of Horticulture, will speak
on "The Apple Industry."
8 p.m.—"NEW DROPS OF CELESTIAL MELODY."
—Carlyle.
8 p.m.—STUDIO ORCHESTRA:
"Moshlowitzsky" (Moshlowitzky).
8.10 p.m.—REV. A. G. NICHOLLS:
"Soup for the Kiddies."
8.20 p.m.—"STATION TRIO":
"Crude Song" (Schubert).
[Franz Peter Schubert was born in Vienna
in 1797. At the age of 10 he entered the
court chapel, and was afterwards an under-
master in his father's school, where he wrote
his famous song, "The Erl King." Through
his singing friend, Vogel, his songs became
known in the Viennese, but he obtained very
little money by them, and lived in great
poverty. His works include over 100 songs,
10 symphonies, 6 masses, a great deal of
chamber music, and several operas, overtures,
and cantatas. He gave his one and
only concert on March 26th, 1828, and died
the following November.]
8.28 p.m.—MADOLINE KNIGHT, Contralto:
"Three Fishers" (Hullah).
"Crossing the Bar" (Behrend).
8.37 p.m.—The Royal Automobile Association
of Victoria's Safety Message for to-day is:
"CYCLISTS"—Beware of skidding, either
through ruts or muddy roads, or through
crossing ruts or muddy roads, and especially
rain lines.
8.58 p.m.—MELBOURNE CHORAL UNION;
under the direction of MR. W. J. JAMES;
"Excerpts from Carmen." Part I. Arranged
by Maurice Strakosky.
9.05 p.m.—"THE CONSERVA-
TORIUM RECITAL":
Vocal: Recital—O Patria (1 year) (Siel-
land) (Verdi).
Aria—O Palermo
MR. HENRY THOMAS.
Viola: Ronde (Mozart-Kreutzer).
MISS EUNICE GREGORY.
Vocal:
"Thank me not" (A. Mallon).
"Blonnie."
"The North has my Heart"
(D. J. Consta).
MR. HENRY THOMAS.
Serenade (Mozzkowski).
"Valse in A" (Rehner).
MISS EUNICE GREGORY
Vocal:
"The Horn" (A. Flegler).
"Enter us" (A. MacFadyen).
"Hope the Hornblower" (John Ireland).
MR. HENRY THOMAS.
9.40 p.m.—Musical numbers.
9.53 p.m.—HARRY NORTH:
We have pleasure in introducing to List-
eners, HARRY NORTH, the famous English
Concertina Player, in "The Wells of St.
Mary."

9.40 p.m.—CARLTON CHAPEL.
Listeners will now have the pleasure of
hearing the noted Singing Light Conductor
CARLTON CHAPEL.
"Bonnie, my Highland Jassie."
"The Evening."

8.47 p.m.—BERTHA JORGENSEN
Viola Recital: "Sonata No. 5" (Beethoven).
"Ludwig V. Beethoven was born in Ger-
many (1770) in 1770. His father was a
settler at the Court Chapel. Ludwig stayed
the Harpsichord in the Court Theatre as a
boy. Later he received lessons from Haydn
and Mozart at Vienna. Famous as a pianist
and later as a composer. As a child he
wrote, and at 12 he had developed the
Symphony. In 1818 he became blind.
He later died, and was unable to hear some
of his finest works. He died at Vienna in
1827.]

10 p.m.—STUDIO ORCHESTRA:
"Adagio" (Bach).
10.10 p.m.—Meteorological information and
"Argus" news service.
10.20 p.m.—MELBOURNE CHORAL UNION:
"Excerpts from Carmen." Part II. Arranged
by Maurice Strakosky.
10.37 p.m.—JOE BRENNAN AND IDA NEW-
TON
"Stallor Huld."
"Actae Man."
10.37 p.m.—STUDIO ORCHESTRA:
"The Rose Tree" (Grieg).
10.45 p.m.—CARLTON CHAPEL:
"Prelude."
"Knee Deep in Daisies."
10.52 p.m.—STUDIO ORCHESTRA:
"Hallel Suite" (Chaminade Suite).
11 p.m.—OUR GREAT THOUGHT:
"The passage of Providence lies through
many crooked ways; a despairing heart
in actions may weave the seeds of fortune,
but not break them."—Quares.
11.1 p.m.—JOE ARONSON AND HIS SYN-
OPMATIC SYMPHONISTS:
"Serenade" (Mozart).
"By the Waters of Mizorokka" (Lobertus).
"That's My Girl" (Davis).
"I Want a Parade for Diddy" (Roni).
"St. Louis Blues" (Handy).
"He's the Star" (Honey).
"You Never Someone to Love" (Globe).
"Honolulu Moon" (Lawrence).
"Where to you Work a John" (Mark).
"Ragging in Society" (Abe).
"Konding Leap" (Fierito).
11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Monday
ARRIVAL OF THE GOVERNOR.
The arrival of His Excellency the State
Governor of Queensland, Sir John
Goode and Lady Goode, will be relayed from
the Hotel Company's Wharf at New Farm.
10.5 a.m.—FROM THE ORIENT COM-
PANY'S WHARF: Arrival of Governor.
Welcome by His Excellency the Lieut-
Governor, Wm. Lennon and Mrs. Lennon.
Presentation of address of welcome by His
Worship the Mayor, Alderman W. A. Jolly,
C.M.F.
10.40 a.m.—FROM PARLIAMENT HOUSE,
BRISBANE: Parliamentary welcome to His
Excellency the Governor, Sir John Goode,
and Lady Goode.
11.5 a.m. (approx.)—Close Down.

MIDDAY SESSION.

1.0 p.m.—Market Reports; Weather Infor-
mation supplied by the Commonwealth Weather
Bureau. News service supplied by "The
Daily Mail" and "The Daily Standard."
1.30 p.m.—FROM HOTEL CARLTON: Lunch
Music played by Hotel Carlton Symphony
Orchestra.
1.40 p.m.—FROM THE OBSERVATORY:
Standard Time Signal.
2.0 p.m.—Close Down.

AFTERNOON SESSION.

3.10 p.m.—FROM HOTEL CARLTON: After-
noon Tea Music played by Hotel Carlton
Symphony Orchestra.

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The "ENTON" has arrived from New York with the first shipment of the wonderful

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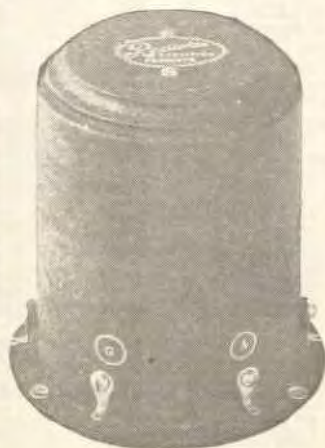
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Three weeks ago the name "**RADIOKES**" **SOLODYNE** was practically unknown—to-day, everyone is hearing, talking and building "**RADIOKES**"

SOLODYNES, and those lucky fans who have built this wonderful receiver are absolutely astounded at the marvellous results obtained.

As a result—"RADIOKES" big factory is buzzing with activity night and day, in an effort to supply this enormous demand; so if you are unable to obtain your Genuine "**RADIOKES**" **SOLODYNE KIT** immediately, we ask you to please be patient for a while, then you, too, will realise what real Radio means. Remember, that success is only possible with Genuine "**RADIOKES**."

METROPOLITAN ELECTRIC CO. LTD.

27 KING STREET :: SYDNEY

7.30 p.m.—Weather and Shipping Intelligence.
 7.34 p.m.—Lata "Evening News" News Service.
NIGHT SESSION.

7.35 p.m.—Programme Announcements.
 7.40 p.m.—A Talk by Mr. A. S. Lo Sogol on "The Goella at Home—His Character in Life, and the Story of the Goella Hunt."
 7.50 p.m.—Recapitulation in the Studio of Mr. Raymond Ellis, Eminent English Baritone, who commences a new series of broadcast recitals.

Mr. Ellis will present a Group of Schubert numbers, with explanatory remarks.
 8.5 p.m.—FROM THE CONSERVATORIUM HALL, SYDNEY. A Programme of Compositions by Modern Contemporary Composers, presented by the British Music Society.

BRITISH.

1. Suite, Op. 34. Flute, Violin and Piano—(Composed 1914) (Eugene Cosca).
 (a) Introduction.
 (b) Scherzo.
 (c) Divertissement.
 ALBERT W. ARLOM, MOORE MACMAHON and WILFRED ARLOM.

8.20 p.m.—2. "A Hill Tune" (Arnold Bax).
 (a) "The Slave Girl" (Arnold Bax).
 (b) "Lullaby" (Arnold Bax).
 (c) "Gossamer" (Arnold Bax).
 MADAME JE. BETTS-VINCENT.

8.32 p.m.—POLISH: 3.—Sonata in D Minor, Op. 9, for Violin and Piano (Composed 1905). (Karol Szymanowski).
 (a) Allegro Moderato.
 (b) Andantino tranquillo e dolce.
 (c) Allegro molto, quasi presto.
 MOORE MACMAHON and WILFRED ARLOM.

8.50 p.m.—FRENCH AND RUSSIAN: 4.—Sons—
 (a) "La Fleur Enchantée" (from Sheherazade). (Maurice Ravel).
 (b) "Flute Oubliée" (A. W. Arlom).
 (c) "Glas d'Amour" (Leon Gollee).
 MADAME GODESSE VIGIERO.

At the Piano: Miss Margaret Chalmers.
 9.5 p.m.—RENCH: 5.—Sonatina for Flute and Piano. (Composed 1922).
 (a) "Tendry" (Darius Milhaud).
 (b) "Sous le Vent".
 (c) "Clair".
 ALBERT W. ARLOM and WILFRED ARLOM.

9.16 p.m.—HUNGARIAN: Lento and Allegretto from String Quartet, Op. 7. (Composed 1899). (Béla Bartok).

THE BRITISH MUSIC SOCIETY'S

STRICT QUARTETTE.
 9.30 p.m.—FROM THE STUDIO: A Vocal Recital by Mr. Raymond Ellis, Baritone, in a Group of English Songs.

9.45 p.m.—Mr. Sydney Henry, Entertainer, and Yet I Don't Know (Wasson and Loe).
 9.55 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY: The New Wentworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Leitch.

10.0 p.m.—"Big Ben": FROM THE STUDIO. Mr. Sydney Henry, Entertainer.
 (a) "Philosophy".
 (b) "The Story-teller's Club" (Chastler).
 10.10 p.m.—Celebrity Record.

10.18 p.m.—Lata News and Announcements.
 10.30 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY: The New Wentworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Leitch.

NOTE:—Interact at the Footwater Cafe will be filled with musical numbers from the Studio.

11.15 p.m.—National Anthem: Close Down.

2BL, SYDNEY

Tuesday.
 11 a.m.—G.P.O. clock and chimes.
 11.1 a.m.—Musical programme from the Studio.
 11.10 a.m.—News from "Sun."
 11.20 a.m.—Social Notes—Replies to correspondents by Mrs. Jordan.
 Talk on the Quest of the Beautiful," by Mrs. Jordan.

11.30 p.m.—G.P.O. clock and chimes.
 11.40 p.m.—Talk to children and special entertainment for children in hospital.
 11.5 p.m.—Musical programme from the Studio.

12.13 p.m.—Information: Mail and shipping and movements of important ships.
 12.16 p.m.—Sydney Stock Exchange calls.
 12.18 p.m.—Boats in call by wireless.
 12.20 p.m.—Fruit market report.
 12.22 p.m.—Vegetable market report.
 12.25 p.m.—London metal market report.
 12.27 p.m.—Dairy and farm produce market report.

12.30 p.m.—G.P.O. clock and chimes.
 12.31 p.m.—Musical programme from the Studio.
 12.40 p.m.—Sporting information ("Sun").
 12.45 p.m.—Miller's Instrumental Quartet—Direction, Caryl Costing.

1.40 p.m.—G.P.O. clock and chimes.
 1.51 p.m.—News from the "Sun."
 1.41 p.m.—Musical programme from the Studio.
 1.50 p.m.—Sydney Stock Exchange calls.
 1.58 p.m.—News from the "Sun."

2 p.m.—G.P.O. clock and chimes.
 Having information broadcast immediately after each race, by courtesy of the "Sun."
 2.1 p.m.—Talk to children and special entertainment for children in hospital.
 2.20 p.m.—G.P.O. clock and chimes.
 2.30 p.m.—G.P.O. clock and chimes.
 2.31 p.m.—Musical programme from the Studio.

2.43 p.m.—News from the "Sun."
 2.51 p.m.—Musical programme from the Studio.
 3 p.m.—G.P.O. clock and chimes.
 3.1 p.m.—News from the "Sun."
 3.16 p.m.—Civil Service Stores' Train, Direction, Miss de Cources Bevoir.

3.40 p.m.—G.P.O. clock and chimes.
 3.41 p.m.—News from the "Sun."
 3.40 p.m.—Musical programme from the Studio.
 3.50 p.m.—News from the "Sun."
 4 p.m.—G.P.O. clock and chimes.

4.1 p.m.—Musical programme from the Studio.
 4.15 p.m.—Special story.
 4.16 p.m.—G.P.O. clock and chimes.
 4.21 p.m.—Musical programme from the Studio.
 4.41 p.m.—News from the "Sun."
 4.40 p.m.—Racing reports.

4.53 p.m.—Producers' Distributing Society's fruit and vegetable market report.
 4.54 p.m.—Resumé of night's programme.
 4.56 p.m.—Announcements.
 4.55 p.m.—Special ocean forecast.

6 p.m.—G.P.O. clock and chimes.
CLOSE DOWN.
EARLY EVENING SESSION.
 5.45 p.m.—G.P.O. clock and chimes.
 5.46 p.m.—Uncle George and the Kiddies.
 6 p.m.—The puppets of Miss Monica Scully will entertain the kiddies.
 6.10 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."
 7.30 p.m.—Talk on "The Motor Car," by Mr. Martin.
 8 p.m.—G.P.O. clock and chimes.
 Broadcasters' Topical Chorus.
 An hour's programme presented by Coaxer Valves.

8.9 p.m.—Broadcasters' Light Orchestra, under the direction of Mr. J. Knight Harve.
 8.13 p.m.—Miss Hilda Walker, soprano.
 8.20 p.m.—Mr. Roy Scrivener, baritone.
 8.27 p.m.—Mr. Bryce Carter, 'cello soloist.
 8.34 p.m.—Miss Madge Helmerich, contralto.

8.41 p.m.—Miss Dulcie Blair, violin solo.
 8.45 p.m.—The Leona Vocal Trio (Wilma Fleming, Ethel Brittain, and Phoebe Hanson).
 8.55 p.m.—Broadcasters' Light Orchestra.
 9.5 p.m.—Miss Hilda Walker.
 9.12 p.m.—Madame Betty Vincent will talk on Beech-oven, with illustrations as the piano.
 9.35 p.m.—Mr. Roy Scrivener.
 9.39 p.m.—Broadcasters' Light Orchestra.
 9.40 p.m.—Miss Madge Helmerich.
 9.50 p.m.—Resumé of following day's programme.

Weather report and forecast by courtesy of Mr. C. J. Marrs, Government Meteorologist.
 10 p.m.—G.P.O. clock and chimes.
 10.1 p.m.—Mr. Bryce Carter.
 10.8 p.m.—The Leona Vocal Trio.
 10.13 p.m.—The Ambassadors' Dance Band broadcast from the ballroom of the Ambassadors. "Sun" news will be broadcast during intervals.
 11 p.m.—G.P.O. clock and chimes.
National Anthem.

3LO, MELBOURNE.

Tuesday.
MIDDAY SESSION.

THE STUDIO ORCHESTRA.
—THE LITTLE SEADOW WORLD OF SONG AND STORY. Adapted from Schiller.
 12 noon.—Time Signal, British Official Wireless news from Rugby. Reuter's and The Australian Press Association cables.
 "Argo" and "Herald" news service.
 12.30 p.m.—HARRY NORTH, English Concellina.
 "Marches."
 12.42 p.m.—STUDIO ORCHESTRA:
 "Symphony—Selection (Erich)"
 12.47 p.m.—Stock Exchange information.
 12.49 p.m.—CARLTON CHASE:
 "Laxy."
 "Paddling Madam's Home."
 12.47 p.m.—C. RICHARD CHUGG—Flute:
 "Aria" (Lotti).
 12.55 p.m.—CAPTAIN DONALD MACLEAN:
 "Captain Kidd."
 1.10 p.m.—STUDIO ORCHESTRA:
 "Interlude."
 1.20 p.m.—Meteorological information. Shipping intelligence. Weather synopsis for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast. River reports.

1.25 p.m.—ARTHUR DOUGLAS, Comedians:
 "Scotch Humor."
 1.30 p.m.—T. M. TIERNAN, 'Cello:
 "Dreaming" (Squire).
 1.40 p.m.—CARLTON CHASE:
 "Save your Sorrows."
 "There Ain't no Mayo in My Baby's Eyes"
 1.47 p.m.—STUDIO ORCHESTRA:
 "Serenade Hongroise" (Joussiers).
 2 p.m.—Close down.

AFTERNOON SESSION.
3LO'S POPULAR DANCE BAND.
 3 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPTONISTS:
 "The Cat" (Kahn).
 "Sundby" (Miller).
 "Hello, Little Girl of My Dreams" (Berli).
 3.10 p.m.—"AU FAIT!"
 "Pardon" (Lafayette).
 3.25 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPTONISTS:
 "The Original Black Bottom" (Henderson).
 "I Don't Know (Sweet).
 "Let's All Heavy Ford" (Leslie).
 3.33 p.m.—O'MARA AND BULKLE, Entertainers from the Emerald Isle:
 ANNA BURKE:
 "You Better Ask Ma" (Lehr).
 PATER.
 CHAS. O'MARA:
 "Kilmore" (McGinnion).
 4.45 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPTONISTS:
 "Climbing up the Ladder of Love."
 "Ruffreddy"—Piano Solo (Bergy).
 "Camille" (Sberman).

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8.55 p.m.—"THE FUTURISTS" present their
Radio Revue:—
"TEA AND TOAST."

The Company say: "How Do."
IRA VANDA and GUS DAWSON hold a
Teatime flirtation.

DISMAL DESMOND will tell you a tale of
his unhappy life.
A Sketch by IRA VANDA, GUS DAWSON
and CYRIL NORTHCOTE.
A Finale by the Company.

9.10 p.m.—JOE ARONSON and HIS SYN-
COPATING SYMPHONISTS:
"I'm on my Way Home" (Berlin).
"The More We are Together" (Comball).
"Chinese Moon" (Naumann).

9.20 p.m.—ARTHUR DOUGLAS, Comedian:
"Gentle Whiskey" (Merron).

9.27 p.m.—JOE ARONSON and HIS SYN-
COPATING SYMPHONISTS:
"Mary Lou" (Lyman).
"Ting Ling Waite of the Bell" (Britt).
"Bobby Face" (Akkat).

9.37 p.m.—MADOLINE KNIGHT, Contralto:
"The Auld Nae" (Langstaffe).
"Symphony" (Mastell).

9.45 p.m.—"Herald" news service. Stock Ex-
change information.

9 p.m.—Close down.

EVENING SESSION.

CHILDREN'S HOUR

MUSICAL PROGRAMME FOR CHILDREN,
arranged by MR. FRITZ HART:
"SHORT SWALLOW FLIGHTS OF SONG."
—Tennyson.

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

8.59 p.m.—Musical Programme for Children,
by MR. FRITZ HART:
EDNA LAIRD, Mezzo-Soprano, will sing:

"The Trout" (Schubert).
"The Wild Rose" (Schubert).
"Who is Sylvia" (Schubert).
"Thou'rt Like a Lovely Flower" (Schumann)

"The Ladybird" (Schumann).
IDA SCOTT, Flautist, will play:
"Scherzo" in E Flat (Schubert).

"Menuetto"—from Fantaisie (Schubert).
"Romance in F Sharp Major" (Schumann)
MARGRY MACGIBBON, Violinist, will play
"Moment Musical" (Schubert).
"Ave Maria" (Schubert).

"Tramserie" (Schumann).
8.58 p.m.—Official report of Newmarket Stock
Sales. Report on Sheep and Lambs.

8.59 p.m.—"Arriad" and "Herald" news ser-
vices. Weather synopsis. Shipping move-
ments.

8.47 p.m.—Stock Exchange information.

8.52 p.m.—Flak Market reports by J. R. Bor-
rell, Ltd. Rabbit Prices.

8.55 p.m.—River reports.

8.58 p.m.—Market prices by the Victorian
Producers Co-operative Co., Ltd. Dairy
Produce. Potatoes and Onions. Poultry,
Grain, Straw, Hay and Jute.

7.6 p.m.—Fruit Market reports by the Vic-
torian Wholesale Fruitlers' Association,
compiled by the "Fruit World," exclusive to
4LO.

NIGHT SESSION.

9.15 p.m.—Under the auspices of the Royal
Automobile Club of Victoria, MR.
ALFRED KELLY, President of the Club:
"The Safety Movement and Club Activities"

9.30 p.m.—Under the auspices of the Victoria
Extension Board, MISS J. S. W. WEBB,
M.A., B.A., Senior Lecturer in History at
the University, will speak on "Aviation as
an aid to Archaeology."

9.45 p.m.—MR. R. B. HAMILTON, A.R.L.B.A.,
A.R.V.I.A.:
"Town Planning Architecturally."

9 p.m.—LEN GIBSON'S NEAPOLITAN SE-
TETTE:
"Hullo, Aloha."

"I Never Knew How Wonderful You Were"

9.1 p.m.—SAFFO ARNA Soprano:
"Romance—La Walk" (Batalan).
"Madellina" (W. James).

9.14 p.m.—ROYAL AUTOMOBILE CLUB OF
VICTORIA'S SAFETY MESSAGE FOR TO-
DAY IS—
MOTORISTS:—"Before leaving the car
on an incline always turn a wheel of the
car against the kerb as well as applying
the handbrake."

Announcements.

8.10 p.m.—LEN GIBSON and CHAS. BACK-
STROM, Mandolin and Spanish Guitars:
"Plantation Melody."
"La Paloma."

8.27 p.m.—JOE BRENNAN and IDA NEW-
TON:
"Rich Man, Poor Man."

8.47 p.m.—LEN GIBSON'S NEAPOLITAN
SEXTETTE:
"Kailua."
"Hondulu Rose."

8.50 p.m.—SAFFO ARNA, Soprano:
"La Premiere" (Webber).
"Don Cupid" (Mankutia).

8.50 p.m.—LEN GIBSON'S NEAPOLITAN
SEXTETTE:
"Serenade."
"Un peu d'amour."

8.57 p.m.—Sporting Notes by "Olympus."
"ANTIQUE SONGS and BRISK, GIDDY,
FACED ECHOES OF THE TIMES"

9 p.m.—JOE ARONSON'S OLD TIMERS:
Selection, "On with the show."

9.1 p.m.—SYD EXTON, Tenor:
"Who is Sylvia" (Schubert).
"Come In in the Garden, Maud" (Balfe).

9.17 p.m.—HARRY NORTH, English Concer-
tina:
"Echoes of the Past."

9.24 p.m.—JOE ARONSON'S OLD TIMERS:
Lancers, "Any rags, any bones, any bottles,
to-day"

9.3 p.m.—MADOLINE KNIGHT, Contralto:
"Bim-Bol!"
"Lore's Old Sweet Song."

9.41 p.m.—THE BARNYARD QUARTET:
Paradeband.
"Foggy Jazz" (Rishop).

9.41 p.m.—SYD EXTON, Tenor:
"Songs of Araby" (Clay).
9.58 p.m.—HARRY NORTH, English con-
certina:
"Airs of Yesterday."

10.3 p.m.—JOE ARONSON'S OLD TIMERS:
Waltz, "Blue Danube."

10.19 p.m.—MADOLINE KNIGHT, Contralto:
"Silver Threads Among the Gold."
"Lullaby" (Schubert).

10.17 p.m.—THE 4LO WIRELESS CHIRTY
MINSTRELS in half-an-hour of "KRAZY
BOON ROMICALITIES."

10.50 p.m.—"Argus" news service. Meteorolo-
gical information. British Official Wireless
news.

11 p.m.—OUR GREAT THOUGHT:
"There lives more faith in honest doubt,
believe me, than in half the creeds."

11.1 p.m.—JOE ARONSON'S OLD TIMERS:
"All by Myself in the Morning."
"Ain't he got Fun?"
"Moon River."

"Thine O'clock in the Morning."
"Mimral Shore."
"Night by Night."

"Moonlight and Roses."
"Smiles."
"Road of No Man's Land."

"Roll 'em Girls."
"When You Were a Talkin'."
"It Ain't Gonna Rain no More."
"Fiddle up on Your Violin."

"Say it with Music."
"Alexander's Ragtime Band."
"Show me the Way to go Home."

11.10 p.m.—GOD SAVE THE KING.

4QG, BRISBANE.

Tuesday

MIDDAY SESSION.

1.5 p.m.—Market Reports; Weather Infor-
mation, "The Daily Mail" and "The Daily
Standard" News.

1.59 p.m.—FROM HOTEL CARLTON: Lunch
3 p.m.—Lunch by Hotel Carlton Symphony
Orchestra.

1.58 p.m.—FROM THE OBSERVATORY:
Standard Time Signal.
2.8 p.m.—Close Down.

AFTERNOON SESSION.

3.30 p.m.—A Programme of Music by the
Studio Orchestra, including:—Overture,
"Fantasique" (Vera Eapen); waltz,
"Cremonia" (Moses-Tobani); ballad, "Tan-
hourine Dance" (Dunhill); operatic selec-
tion, "Gems from the Opera House"
(Tobani); soprano solo, selected, Miss Ruth
Portrait; violin solo, "La Chiquinette"
(Gabriel Marie) Mrs. M. C. Williams;
characteristic, "Old Rogge" (Grawwald);
operatic selection, "Gems from the Opera
House," Part II. (Tobani); Spanish march,
"El Amante" (Javallos).

4.20 p.m.—"The Telegraph" News.
4.30 p.m.—Close down.

EARLY EVENING SESSION.

5.0 p.m.—"Daily Standard" News; Announce-
ments.

5.30 p.m.—The Children's Session; Stories by
Uncles Ben and Uncle Jim.

5.40 p.m.—Market Reports; Stock Reports.
7.30 p.m.—Weather News; Announcements.

7.40 p.m.—Standard Time Signal.
7.45 p.m.—Lecture, "Photography," by Mr.
F. L. South (Manager Kodak Ltd.).
8.00 p.m.—Close down.

NIGHT SESSION.

BRISBANE APOLLO CLUB.

8.0 p.m.—FROM THE SCHOOL OF ARTS:
Choral Numbers: (a) "Night" (Schubert),
B; "Care Killed a Cat" (Ritowall); (c)
"Buccaners" (Candish). The Brisbane
Apollo Club (conductor, Mr. Leonard
Framell).

8.15 p.m.—FROM THE STUDIO: Selection,
"Lucia di Lammermoor" (Donizetti); the
Studio Instrumental Quartette (conductor,
Mr. F. C. Smith); soprano solo, "The Charm
of Spring" (Clarke); Miss Jill Masters;
male quartette, "Love, Old Sweet Song"
(Mello); the Anglo Male Quartette; a
thought for to-night (Will H. Lester).

"Shadows" (solo solo, selected, Mrs.
Arthur Sherman; soprano solo, "Love
Amor" (Mozart), Miss Jill Masters; male
quartette, "Must I Then Part" (Otte); the
Anglo Male Quartette; full "Sleazy Hol-
low" (Allen); the Studio Instrumental Quar-
tette.

9.0 p.m.—Metropolitan Weather Fore-
cast—Baritone solo, "Friend" (Davies); Mr. H.
N. W. Taylor and bass duet, "Weather,
What of the Night" (Seymour), Messrs.
C. Kolb and R. Pike; march, "Pride of
the Prairie" (Rollo); the Studio Instru-
mental Quartette; male quartette, "Massa's
in de Cold, Cold Ground" (Forster); the
Anglo Male Quartette; ten minutes of
Amour by the Mashery Duo.

9.30 p.m.—FROM THE CENTENNIAL
BALL: Dance Music.

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

5CL, ADELAIDE.

Tuesday.

MORNING SESSION.

12 noon.—G.P.O. chimes.
12.1 p.m.—Musical selections.
12.30 p.m.—"Advertiser" news service.

12.50 p.m.—Market reports.
1 p.m.—G.P.O. chimes and close down.
1.1 p.m.—Musical selections.
2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. chimes.
3.1 p.m.—Relay from Maple Leaf Cafe—
Orchestral selections.

3.45 p.m.—From the Studio—Recitals on the
New Reproducing "Sonora" and the "Auto-
tone Reproducer."

4 p.m.—G.P.O. chimes
4.1 p.m.—Relay from the Arcadia Cafe—Or-
chestral selections.

4.45 p.m.—Station announcement.
5 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

8 p.m.—G.P.O. chimes.
8.1 p.m.—Dinner music by Covent Garden
Restaurant Orchestra.

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6.45 p.m.—Bedtime stories.
 7.00 p.m.—Market reports.
 7.40 p.m.—Home beautiful talk by "Dumas" (Mr. C. Carter).
 8 p.m.—G.P.O. chimes.
 8.1 p.m.—Song, Miss Linda Wald.
 8.4 p.m.—Holden's Silver Band.
 8.15 p.m.—Humorous interlude. Mr. Geo. Horton.
 8.30 p.m.—Holden's Silver Band.
 8.50 p.m.—Talk by the Rev. A. G. Nicholls, "The situation in China from Chinese and British points of view."
 9.40 p.m.—Song, Miss Linnæe Bidgood.
 9.48 p.m.—Holden's Silver Band.
 9 p.m.—G.P.O. chimes.
 9.1 p.m.—Weather report.
 9.3 p.m.—Dulcely's wheat report.
 9.4 p.m.—Twenty minutes with Noel Habblo, from appreciation of the Central College of Physical Culture, introducing boxing, wrestling, and fancy dancing.
 9.45 p.m.—Numerous interlude. Mr. Geo. Horton.
 9.55 p.m.—Holden's Silver Band.
 9.42 p.m.—Song, Miss Linnæe Bidgood.
 9.46 p.m.—Holden's Silver Band.
 9.56 p.m.—Cello solo, Mr. F. Gibbons.
 9.58 p.m.—Holden's Silver Band.
 10.0 p.m.—"Advertiser" news service.
 10.25 p.m.—Song, Miss Linda Wald.
 10.29 p.m.—Humorous interlude. Mr. Geo. Horton.
 10.35 p.m.—Pianoforte solo, Mr. Lawrence Haeght.
 10.45 p.m.—Cello solo, Mr. F. Gibbons.
 10.52 p.m.—Song, Miss Linda Wald.
 10.54 p.m.—Pianoforte solo, Mr. Lawrence Haeght.
 11 p.m.—G.P.O. chimes and close down.

6WF, PERTH.

Tuesday.

12.30 p.m.—Tune in.
 12.35 p.m.—First Local News Bulletin; Market Reports; Cables.
 1.0 p.m.—Time Signal from Perth Observatory.
 1.1 p.m.—Weather Notes Supplied by the Meteorological Bureau of Western Australia.
 1.2 p.m.—STUDIO INSTRUMENTAL TRIO.
 1.58 p.m.—Close Down.
 3.30 p.m.—Tune In.
 3.35 p.m.—Musical Programmes, including Pianoforte Selections by Miss E. Willis, A.R.C.M.
 4.0 p.m.—STUDIO INSTRUMENTAL TRIO.
 4.30 p.m.—Close Down.
 6.05 p.m.—Stories for Tiny Tot, by Auntie Kate.
 7.0 p.m.—Uncle Leslie will talk to the kiddies.
 7.25 p.m.—Stock and Share Intelligence; Market Reports; Cables; News by courtesy of "The West Australian" Newspaper Co.
 7.45 p.m.—Talk.
 8.0 p.m.—Time Signal from Perth Observatory.
 8.1 p.m.—Weather Notes Supplied by the Meteorological Bureau of Western Australia.
 8.3 p.m.—CONCERT FROM THE STUDIO; Musical Programme, including Ariettes.
 10.0 p.m.—Last News Items by courtesy of "The Daily News" Newspaper Co.; Ships within Range Announcements; Weather Report and Forecast.
 10.50 p.m.—Close Down.

7ZL, HOBART

Tuesday.

MIDDAY SESSION.
 12 noon—Chimes and tune in.
 12.1 p.m.—Tune in selection.
 12.4 p.m.—Weather information.
 12.5 p.m.—British official wireless news.
 12.58 p.m.—"Mercury" news service.
 12.59 p.m.—Musical selection.

12.55 p.m.—Shipping information.
 12.40 p.m.—Mail notices.
 Commercial news.
 Housewives' guide.
 12.50 p.m.—Hobart Stock Exchange quotations.
 12.55 p.m.—Foreign Exchange Market.
 1 p.m.—1.30 p.m.—Musical items from the Studio.
 1.10 p.m.—Luncheon talk or musical item.
 1.55 p.m.—Best Express information.
 2 p.m.—Close down.
 AFTERNOON SESSION.
 3 p.m.—G.P.O. Clock Chimes.
 3.1 p.m.—Orchestral selections by 7ZL Studio Orchestra.
 4 p.m.—Educational or Fashion Talk.
 4.10 p.m.—Orchestral Selections continued.
 5 p.m.—G.P.O. Clock Chimes.
 Close down.

EARLY EVENING SESSION.
 6.30 p.m.—7.30 p.m.—Children's Hour.
 6.50 p.m.—"The Adventures of George, the Bookshelf Kitten, by "Aunt Stella."

NIGHT SESSION.
 7.30 p.m.—Musical Selections.
 7.35 p.m.—Literary Lapses and Library Lapse by Mr. W. E. Fuller.
 7.50 p.m.—"Mercury" special Tasmanian news service.

7.55 p.m.—Railway Auction Produce Sales.
 Hobart Stock Exchange quotations.
 Weather information.
 8 p.m.—G.P.O. Clock Chimes.
 8.1 p.m.—9.50 p.m.—Studio Concert.
 9.51 p.m.—British official wireless news.
 9.55 p.m.—Tasmanian District Weather Reports.
 9.58 p.m.—Weather synopsis.
 Station announcements.
 10 p.m.—Close down.

Wednes., June 15
2FC, SYDNEY

EARLY MORNING SESSION.
 7 a.m.—"Big Ben" and programme announcements.

7.5 a.m.—Music from the Studio.
 7.15 a.m.—Country School (4.00) weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
 7.25 a.m.—Investment markets, mining share market, metal quotations.
 7.35 a.m.—Wool sales, Breadstuffs market, Interstate markets, produce markets.
 7.45 a.m.—Sydney Morning Herald summary.
 8 a.m.—"Big Ben." Close down.

MORNING SESSION.
 10 a.m.—"Big Ben" and announcements.
 10.5 a.m.—Studio music.
 10.10 a.m.—"Sydney Morning Herald" news service.
 10.40 a.m.—Studio music.
 11 a.m.—"Big Ben," A.P.A. and Register Cables.
 11.10 a.m.—A Talk on Home Cooking and Recipes, by Miss Ruth Fazel.
 11.50 a.m.—Marching music for School Children.
 11.55 a.m.—Close down.

MIDDAY SESSION.
 12 noon—"Big Ben" and programme announcements.
 12.2 p.m.—Stock Exchange, Bret call.
 12.3 p.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
 12.5 p.m.—Studio music.
 12.10 p.m.—Summary of "Sydney Morning Herald" news service.
 12.25 p.m.—Studio music.
 12.40 p.m.—Miss Kathleen Horne, soprano.
 "Love is Meant to Make us Glad" (German).
 12.45 p.m.—Studio music.
 1 p.m.—"Big Ben." Weather Intelligence.

1.8 p.m.—"Evening News" 1927 news service.
 Producers' Distributing Society's report.
 1.20 p.m.—Studio music.
 1.25 p.m.—Stock Exchange, second call.
 1.40 p.m.—Marching music for School Children.
 1.10 p.m.—Miss Kathleen Horne, soprano.
 "Lullaby" (Czech).
 1.45 p.m.—Studio music.
 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.
 3 p.m.—"Big Ben" and announcements.
 3.2 p.m.—A Recital of Records made in Australia and recorded by EPU Artists, including:
 Alfred O'Brien, Australia's foremost tenor.
 Madame Elsa Strain, Dramatic Soprano.
 The 24th Dancers Orchestra.
 Walter Kirby, Tenor.
 Popular numbers by Len Maurice, Baritone.
 Leslie Elliott, Pianist.

3.45 p.m.—MARCHING MUSIC FOR SCHOOL CHILDREN.
 3.50 p.m.—FROM FARMER'S TEA ROOMS—Miss Peggy Dunbar, contralto.
 "Home of Mine" (Dutch).
 4.10 p.m.—A Talk on the "Flunked" Welfare System, by Miss Helen Fealban.
 4.15 p.m.—FROM FARMER'S TEA ROOMS—Miss Peggy Dunbar, soprano.
 "Love Balls" (Noelino).
 4.3 p.m.—FROM THE STUDIO—Mr. Stan Fotheringham, Novelty Pianist.
 "Fighting Machine, Novelty Pianist.
 "I'll take my baby back again" (Greer).
 4.9 p.m.—Miss Florence Grant, soprano.
 "My Noble Lord" (Meyerbeer).
 4.11 p.m.—Mr. Stan Fotheringham, Novelty Pianist.
 "No Wonder she's a Blushing Belle" (Mills).
 4.15 p.m.—Studio music.
 4.20 p.m.—FROM FARMER'S TEA ROOMS—Miss Peggy Dunbar, contralto.
 "When my baby" (Durell).
 4.25 p.m.—FROM THE STUDIO—Mr. Stan Fotheringham, Novelty Pianist.
 "The Use of Credit" (Grossman).
 4.30 p.m.—Miss Florence Grant, soprano.
 "Over the Dreamland Sea" (Phillips).
 4.41 p.m.—Studio music.
 4.45 p.m.—FROM FARMER'S TEA ROOMS—Miss Peggy Dunbar, soprano.
 "Invitation" (Barry).
 4.45 a.m.—Stock Exchange, third call.
 4.48 p.m.—Mr. Stan Fotheringham, Novelty Pianist.
 "No Peeling" (Johnson).
 4.50 a.m.—Studio music.
 5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.
 5.45 p.m.—The Chimes of 2FC.
 5.50 p.m.—"The Tolls Mart" talks to the Children.
 6.15 p.m.—Uncle Ben entertains the Children.
 6.30 p.m.—A Social Story.
 6.40 p.m.—Dinner music.
 6.45 p.m.—"Big Ben" Late evening news.
 7.00 p.m.—Balclutha market reports (wheat, wheat and stock).
 7.15 p.m.—Fruit and Vegetable markets.
 7.30 p.m.—Weather and shipping intelligence.
 7.24 p.m.—Late "Evening News" news service.

NIGHT SESSION.
 7.55 p.m.—Programme announcements.
 8.00 p.m.—Some recollections of Sheila Bay, told by Mr. G. J. Leckie.
 8.10 p.m.—"Big Ben." FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY.
 Items by the Operatic Orchestra, of 20 members, conducted by Mr. Stanley Purser.
 8.16 p.m.—FROM THE STUDIO—Mr. Harold Tallman, baritone.
 "Erection" (Gibbert).
 8.14 p.m.—Mr. Gladstone Bell, Cello Solo.
 "Ode Swedish Air."
 8.20 p.m.—Miss Erid Tracy, soprano.
 "Lullaby" (Cecil Sharp).
 8.25 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY; Orchestral items.
 8.34 p.m.—FROM THE STUDIO; Mr. Harold Tallman, baritone.
 "Kitty" (Barnes).
 8.37 p.m.—Mr. Gladstone Bell, Cello solo.
 "Swazilla" (Germann).



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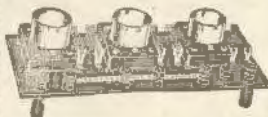
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8.44 p.m.—Miss Enid D'Arcy, soprano:
"Spring dropped a Song" (Fenner).
8.48 p.m.—FROM THE STUDIO:
"HILYAK GEORGE STREET, SYDNEY:
Orchestral items.
9 p.m.—"Big Ben." FROM THE STUDIO:
Mr. Harold Tollmacho, baritone:
(a) "Wien 1 Die" (Berger).
(b) "The Rolling Stone" (Hamblen).
9.8 p.m.—Mr. Gladstone Bell, Cello solo:
"Lamento" (Godowski).
9.11 p.m.—Miss Enid D'Arcy, soprano:
"The Chicken" (Lehmann).
9.18 p.m.—FROM THE STUDIO:
"Captain Frank Hurley: A Story of the
"Experiences and Adventures of an Official
Photographer."
10.25 p.m.—Mr. Wally Baltes, Comedian.
10.32 p.m.—FROM THE WENTWORTH
CAPE, CHURCH HILL, SYDNEY:
The new Wentworth Symphonic Dance
Orchestra in popular numbers.
Conductor: Mr. Frederick Leighton.
10.42 p.m.—FROM THE STUDIO:
Late news and announcements.
10.44 p.m.—Mr. Wally Baltes, Comedian.
10.50 p.m.—FROM THE WENTWORTH
CAPE:
The Wentworth Symphonic Dance Orchestra,
under the baton of Mr. Frederick Leighton,
will be heard in dance numbers until
11.15 p.m.
11.15 p.m.—National Anthem.
Close down.

2BL, SYDNEY

Wednesday.

DAY SESSION.

11 a.m.—G.P.O. clock and chimes.
11.1 p.m.—Musical programme from the
Studio.
11.10 a.m.—News from the "Sun."
11.20 a.m.—Talk on "Hockey" by Miss Varsity,
Broadcasters' women's sports authority.
Social Notes—Replies to correspondents, by
Mrs. Jordan.
Talk on "Infant Welfare," by Dr. Morris.
12.1 p.m.—Special ocean forecast and weather
report.
12.3 p.m.—Musical programme from the
Studio.
12.13 p.m.—Information, Mails and shipping
and movements of important ships.
12.16 p.m.—Sydney Stock Exchange calls.
12.18 p.m.—Boats in call by wireless.
12.20 p.m.—Fruit market report.
12.21 p.m.—Vegetable market report.
12.22 p.m.—London metal market report.
12.24 p.m.—Dairy and farm produce market
report.
12.27 p.m.—Racing Resumé.
12.50 p.m.—G.P.O. clock and chimes.
12.51 p.m.—Musical programme from the
Studio.
12.40 p.m.—Scouting information ("Sun").
12.45 p.m.—Musical programme from the
Studio.

1 p.m.—Pianoforte lecture recital by Arnold
Mote, broadcast from the Fine Art Gallery,
Anthony Horderns.
1.10 p.m.—Musical programme from the
Studio.
1.50 a.m.—Sydney Stock Exchange calls.
1.53 p.m.—News from the "Sun."
Racing information broadcast immediately
after each race, by courtesy of the "Sun."
2 p.m.—G.P.O. clock and chimes.
2.1 p.m.—Talk to children and special enter-
tainment for children in hospital.
2.20 p.m.—News from the "Sun."
2.30 p.m.—G.P.O. clock and chimes.
2.31 p.m.—Musical programme from the
Studio.
2.41 p.m.—News from the "Sun."
2.51 p.m.—Musical programme from the
Studio.
3 p.m.—G.P.O. clock and chimes.
3.1 p.m.—News from the "Sun."
3.15 p.m.—Musical programme from the
Studio.

3.30 p.m.—G.P.O. clock and chimes.
3.31 p.m.—Talk on "The Great Composers,"
Illustrated on Stranbe Piano.
3.33 p.m.—News from the "Sun."
4 p.m.—G.P.O. clock and chimes.
4.1 p.m.—Musical programme from the
Studio.
4.30 p.m.—G.P.O. clock and chimes.
4.31 p.m.—Musical programme from the
Studio.
4.41 p.m.—News from the "Sun."
4.50 p.m.—Racing Resumé.
4.52 p.m.—Producers' Distributing Society's
fruit and vegetable market report.
4.54 p.m.—Resumé of night's programme,
4.55 p.m.—Announcements.
4.58 p.m.—Special ocean forecast.
5 p.m.—G.P.O. clock and chimes.
Close down.

EARLY EVENING SESSION.

5.46 p.m.—G.P.O. clock and chimes.
5.55 p.m.—Daddy Longlegs will entertain the
kiddies.
6.40 p.m.—Musical programme from the
Studio.

SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. Clock and Chimes
Australian Mercantile, Land and Finance
to Report.
Weather Report and Forecast by courtesy
of Govt. Meteorologist.
Producers' Distributing Society's Fruit and
Vegetable Market Report.
Stock Exchange Reports.
Grain and Fodder Report ("Sun").
Dairy Produce Report ("Sun").
5.15 p.m.—Country News from the "Sun"
7.30 p.m.—Talk by a member of the St. John
Ambulance Brigade.

NIGHT SESSION.

8 p.m.—G.P.O. Clock and Chimes.
Concert by the Sydney Male Choir, broad-
cast from the School Hall, Chalmers Pres-
byterian Church.
During the interval Broadcaster All-Sports
Expert will talk on "Boxing."
10.15 p.m.—Music. Morrison and his Gipsies
chessers broadcast from the Ballroom of the
Bondi Casino. During intervals between
Dances "Sun" news will be broadcast.
11 p.m.—G.P.O. Clock and Chimes.
National Anthem.

2GB, SYDNEY

Wednesday.

9 a.m.—Music.
9.5 a.m.—Cherlio Talk.
9.15 a.m.—Music.
9.25 a.m.—Psychological Class.
9.40 a.m.—Music.
9.45 a.m.—Health and Diet.
10 a.m.—Close down.
AFTERNOON SESSION.
3.20 p.m.—Music.
3.27 p.m.—Talk.
3.32 p.m.—Music.
4.7 p.m.—Talk.
4.22 p.m.—Music.
4.30 p.m.—Close down.
EVENING SESSION.
6.30 p.m.—Children's Session.
7 p.m.—Music.
7.5 p.m.—Address by Mr. Harold Merton.
7.15 p.m.—Benediction of the Most Holy
Sacrament.
7.40 p.m.—Talk by Mr. A. E. Bennett
7.55 p.m.—Songs by MISS EVA CROFT.
1. "Love Song" (Sergeant).
2. "Life's Entomoe" (Rasi).
8.6 p.m.—Professor Ernest Wood.
8.25 p.m.—Instrumental Trio:
DAN SCULLY, MURIELLE LANG, ADA
BROOK.
8.35 p.m.—Clement Hosking Quartette:
"Selections from Light Opera."
8.45 p.m.—Violin Solos by MONICA BORDER:
1. "Love Song" (Sergeant).
2. "German Dance" (Dreis).
8.53 p.m.—Songs by CLEMENT HOSKING:
1. "Blow, blow thou winter wind" (Sergeant).
2. "The Lute Player" (Allison).



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Lindbergh's Exploit

America has every reason to be proud of Lindbergh's magnificent flight across the Atlantic, and I should not be surprised if the exploit were remembered for many years.

The tenacity with which great events are remembered over the water can be understood by the festivities which yearly mark the anniversary of Paul Revere's famous ride to warn the Americans that the Redcoats were coming.

Every town and village through which Paul Revere rode has flag-gay monuments. Even those he never touched—but that's the point of my yarn.

I was in a small New England village on the great anniversary and seeing a bagged notice I read with interest:—

"This is where Paul Revere would have stopped if he had come this way!"

All I want to say is that if Lindbergh had carried any radio set, he would certainly have had Burgess Batteries in it! But as he could not find room in his plane even for a spare suit—and had to be photographed later in borrowed pyjamas—there was no room for wireless.

All the great airmen and explorers in recent years have carried Burgess Batteries, the list including Commander Byrd—the man who flew across the North Pole and intends to carry Burgess with him to Australia.

Among the many other great names with which these radio batteries have been associated are: Amundsen, Wilkins, Hurley, Rice, MacMillan and Van Orman—century makers of today!

Another name to be continually remembered by all Australian set owners is New System Telephones Pty., Ltd., of 280 Castlereagh-street, Sydney, the Australian distributors of the famous Burgess Batteries. The recent announcement of a new price of only 26/- per battery is great news for everyone who wants the very best at a rate within reach.*

9 p.m.—Selections from Shakespeare, by Mr. Walter Hunt.
 9.15 p.m.—Duets for two Violins with Piano accompaniment:
 DAN SCULLY, MONICA HORDER, ADA BROOK.
 9.25 p.m.—CLEMMENT HOSKING, QUARTETTE:
 1. "Softly fall the shades of Evening."
 2. "The Cheerful Squire of Robin's Hood."
 3. "The Soft Winds around us."
 ETHEL JONES, SIBYL DEVAN, THOS. HALL, CLEMMENT HOSKING.
 9.35 p.m.—Duets for Two Violins with Piano accompaniment:
 DAN SCULLY, MONICA HORDER, ADA BROOK.
 9.45 p.m.—Songs by MISS ELSIE BROWN.
 1. "Dainty Boy" (Irish Air).
 2. "Bibi mu discorsare."
 3.65 p.m.—"Cherio" Talk.
 10 p.m.—Close down.

3LO, MELBOURNE

Wednesday.

MIDDAY SESSION.
 12 noon.—Time Signal. British Official Wireless news from Rugby.
 1. Reuters and The Australian Press Association Cables. Stock Exchange information.
 "Argus" and "Herald" news services.
 12.20 p.m.—JOE ARONSON AND HIS SYNO-PATING SYMPHONISTS:
 "I'm Gonna Charleston Back Home" (Byron).
 "While the Sabars Sleeps" (Nichols).
 "Call me Early in the Morning" (Rube).
 12.30 p.m.—O'MARA AND BURKE:
 ANNA BURKE: "The Girl with the Bit of a Brogue" (Monkton).
 Pater.
 CHAS. O'MARA: "The Bard of Armagh" (Air and Words Traditional).
 12.40 p.m.—Stock Exchange information.
 12.45 p.m.—JOE ARONSON AND HIS SYNO-PATING SYMPHONISTS:
 "Lonesome and Sorry" (Davis).
 "He's the Last Word" (Kahn).
 "Blame it on the Wails" (Kahn).
 12.55 p.m.—ARTHUR DOUGLAS, Comedian:
 "Hans o' Mine" (McKenzie-Murdoch).
 1 p.m.—JOE ARONSON AND HIS SYNO-PATING SYMPHONISTS:
 "Dog on the Plane"—Piano Solo (Shapiro).
 "Me too, Ho, Ho, Ha, Ha" (Woods).
 1.10 p.m.—Meteorological information.
 1.15 p.m.—HARRY NORTH, English Concertina:
 "Popular Song."
 1.20 p.m.—JOE ARONSON AND HIS SYNO-PATING SYMPHONISTS:
 "Oh, Mackerel" (D. Cayton).
 "If I Didn't Know Your Husband and You Didn't Know My Wife."
 "Oriental Moonlight" (Seamans).
 1.30 p.m.—HARLTON CHASE:
 "Arlington."
 "Kentucky's Way of Good Mornin'."
 1.37 p.m.—JOE ARONSON AND HIS SYNO-PATING SYMPHONISTS:
 "The Fat Away Bells" (Gordon).
 "Oh, Miss Hannah" (Dorps).
 "Love Bound" (Ripp).
 1.47 p.m.—MADOLINE KNIGHT, Contralto:
 "Sink Red Sun" (Del Riego).
 "Lonely Lady" (Marston).
 1.53 p.m.—JOE ARONSON AND HIS SYNO-PATING SYMPHONISTS:
 "That's Why I Love You" (Donaldson).
 "There's a Boatman on the Volca" (Eagan).
 "My Girl's Due at Two to Two Today"—Robin.
 2 p.m.—Description of Encourage Handicap.
 1 Mile, EPSOM RACES, by "Muskiet," of the "Sporting Globe."
 2.5 p.m.—Close down.
 2.55 p.m.—Description of Epson Plate, 4 Females, EPSOM RACES, by "Muskiet," of the "Sporting Globe."
 3 p.m.—Close down.
 2.50 p.m.—Description of Brush Steeplechase.
 2 Miles 15 Chains, EPSOM RACES, by "Muskiet," of the "Sporting Globe."

AFTERNOON SESSION.

THE STUDIO ORCHESTRA.

"Not the wintering walls in the hall-room's
 Halls"
 Can the wild and fearless joy exceed
 Of a fearless steed
 —Wara Clark.

2 p.m.—STUDIO ORCHESTRA:
 "Spanish Gypsy Dance" (Mooney).
 9.7 p.m.—HARLTON CHASE:
 "Rose Colored Glasses."
 "Angry."
 3.14 p.m.—DOROTHY ROXBURGH, Violin:
 "Entrancement of Sonata" (Bach).
 3.25 p.m.—Description of Epson Handicap, 1 Mile, EPSOM RACES, by "Muskiet," of the "Sporting Globe."
 3.25 p.m.—STUDIO ORCHESTRA:
 "Barnstable Amoureuse" (Clasend).
 3.35 p.m.—ARTHUR DOUGLAS, Comedian:
 "There's Maggie and Jeanie" (Fyfe).
 3.42 p.m.—STATION TRIO:
 "Asante" (Tschalowsky).
 3.55 p.m.—CAPT. DONALD MACLEAN:
 "Captain Avery," "The Grand Pirate."
 4.10 p.m.—STUDIO ORCHESTRA:
 "Romance" (Barnstien).
 4.20 p.m.—Description of Jumpers' Flat Race, 1¼-Miles, EPSOM RACES, by "Muskiet," of the "Sporting Globe."
 4.25 p.m.—MYRLE ROBERTSON, Violin:
 "Beethoven" (Pav. Jons).
 "Gavotte" (Gossec).
 4.30 p.m.—SISTER PECK:
 "Infant Welfare."
 4.45 p.m.—"Herald" news service. Stock Exchange information.
 5 p.m.—Close down.

EVENING SESSION.

CHILDREN'S HOUR.

"Letters"—are those winged messengers
 That can fly
 From the Antarctic to the Arctic sky;
 The heralds and swift harbingers that move
 From east to west on embasses of love."
 —Howell.

8.50 p.m.—Answers to Letters and Hitherto Greetings.
 8.50 p.m.—STUDIO ORCHESTRA:
 "Clock on the Mantle" (Wheeler).
 8.57 p.m.—"MARY, MARY":
 "Five Peas in a Pod."
 8.7 p.m.—STUDIO ORCHESTRA:
 "Little Piccon for Little People."
 9.15 p.m.—"MARY, MARY":
 "The Knight of the Sorrowful Countenance."
 9.30 p.m.—Official report of Newmarket Stock Sales. Bullocks and Calves.
 9.35 p.m.—"Argus" and "Herald" news services. Weather and aerial mail information by The Australian Aerial Services, Ltd.
 9.47 p.m.—Stock Exchange information. Overseas shipping.
 9.52 p.m.—Fish Market reports by J. E. Borrett, Ltd. Rubber prices.
 9.58 p.m.—Market reports by the Victorian Producers' Association, Ltd. Newmarket sheep sales. Poultry, Grain, Straw, Hops, Juice, Chaff, Dairy Produce: Potatoes and Onions.
 Fruit Market reports by the Wholesale Fruitlers' Association, compiled by "The Fruit World," exclusive to 3LO.

NIGHT SESSION.

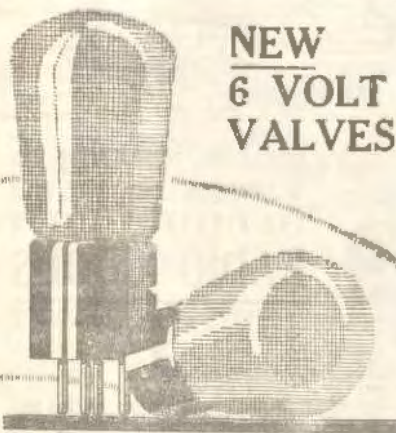
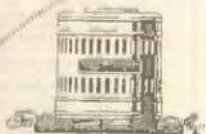
7.15 p.m.—Under the auspices of the DEPARTMENT OF AGRICULTURE, MR. A. J. GILL, Senior Herd Tester, will speak on "The Government Standard Herd Test."
 7.30 p.m.—DR. BROOKE NICHOLS:
 A Special Treatise on the North Island of New Zealand:
 "Useany Country—The Thermal Region."
 7.45 p.m.—CAPT. PETERE:
 "Banks, Wise and Otherwise."
 "THE KNIGHT THAT WOODED A GYPSY MAID."
 8 p.m.—"MAIUTANA," AN OPERA in 3 ACTS, performed by MADAME AUSTON'S PUPPETS, assisted by THE STUDIO ORCHESTRA.
 Music by W. Vincent Wallace.
 Words by Edward Fitzball.

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FROM ALL DEALERS.

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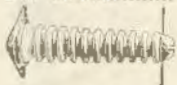
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BRISBANE

DRAMATIC PERSONAE.

- Marihana Florence Ellis
- Lazarillo Gertrude Griffin
- The Marchioness di Montefiore, Marie Evans
- Don Caesar de Santarom Joe Deansy
- Captain of the Guard R. Chandler
- The Marquis de Montefiore ... R. Chandler
- The Alcalde West Palmer
- The King West Palmer
- Chorus of Soldiers, Gypsies and Peasants.

MUSICAL NUMBERS.

- Act I.
- Opening Chorus. "Sing, Pretty Maiden, Sing"
 - Romance (Marihana and Chorus). "It was a Knight of Princely Mien"
 - Romance (Marihana). "The Merry in the Air"
 - Angelus (Chorus). "Angels that Around us Hover"
 - Duet (Marihana and Don Jose). "Of Fairy Wand Had I the Power"
 - Song (Don Caesar). "All the world over,"
 - Quartet and chorus (Lazarillo, Don Caesar, Captain and Don Jose). "See the culprit."
 - Chorus. Pretty Girlana.
 - Finale—Marihana, Lazarillo, Don Caesar, Don Jose, Alcalde and Chorus: Farewell, my Gallant Captain.

- Act 2.
- Romance (Lazarillo). "Alas! those chimes so sweetly sounding."
 - Duet (Don Caesar and Lazarillo). "Hither as I come."
 - Trios (Don Caesar, Lazarillo and Don Jose). "Turn on, Old Time"
 - Song (Don Caesar). "Yes, let me like a soldier fall."
 - Ballad (Don Jose). "In happy moments day by day."
 - Quartet and chorus (Marihana, Lazarillo, Don Caesar and Don Jose). "Health to the lady."
 - Chorus. Oh, what pleasure!
 - Waltz. "The Mariner in his barque."
 - Song (Don Caesar). "There is a flower that blooms."
 - Quartet (Marchioness, Don Caesar, Don Jose and Marquis). Ah, confusion.
 - Finale (Marihana, Don Caesar, Don Jose, and chorus). "That voice! That voice!"

- Act 3.
- Introductions.
- Recit. (Marihana). "How dreary to my heart"
 - Ballad (Marihana). "Scams that are brightest."
 - Song (Don Jose). "This heart by woe o'eraken."
 - Duet (Don Caesar and King). "I am the King of Spain."
 - Duet (Marihana and Don Caesar). "Oh, Marihana."
 - Prayer (Marihana and Lazarillo). "Sainted Mother."
 - Trios (Marihana, Don Caesar and King). "Remorse and dishonor."
 - Finale (Marihana and Chorus). "With rapture glowing."

- 10.25 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS FOR: PEDESTRIANS—Avoid the dangerous practice of alighting from or boarding vehicles in motion, or of rushing for trains, trams and "buses."
- 10.28 p.m.—STUDIO ORCHESTRA: "Le Retour" (Bizet).
- 10.32 p.m.—Announcements. British official wireless news.
- 10.36 p.m.—ELSA STRALIA AND MAXIM BRODI: Maxim Brodi, "Dal Campi" (Boito). "I've been wasting my dreams over you" (O'Hagan).
- Elsa Stralia, "Over the Dreamland Sea" (Phillips).
- "The Star" (Rogers).
- Duet, "Misereere" (Verdi).
- 11.0 p.m.—"Argus" news service. Miscellaneous information.

11.15 AM.—OUR GREAT THOUGHT:

"Do not be too moral. You may cheat yourself out of much life so. Aim above morality. Be not simply good; be good for something."—Thoreau.

11.15 p.m.—JOE ARONSON AND HIS SYNCO-

PATING SYMPHONISTS:

- "Take us home" (Gibert).
 "Hi, diddle, diddle" (Cass).
 "Prezioso" (Whiting).
 "Sampuliah Nuh" (Zasmanick).
 "Maticka" (Tolua).
 "Fire, fire, fire" (Gay).
 "Slipova" (Bary).
 "Princess Betty's Lullaby" (Strocham).
 "Any one feeling lody" (Bellard).
 "Gimme a little Kiss, will ya, huh?" (Tark).
 "Rose Marie" (Frad).
 "Indian Love Call" (Frad).
 "The Gallop" (Owen).
 "Mary Lou" (Lyman).
 "In a little garden" (Yule).

11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE.

Wednesday.

EARLY MORNING SESSION.

6.30 a.m.—Physical Culture Session.

7.0 a.m.—Close Down.

MIDDAY SESSION.

12 p.m.—Market Reports; Weather Information. "The Daily Mail" and "The Daily Standard" News.

1.20 p.m.—FROM THE G.P.O.: Lunch Hour Music played by the Postal Institute Orchestra.

1.50 p.m.—FROM THE OBSERVATORY: Standard Time Signal.

2.0 p.m.—Close Down.

AFTERNOON SESSION.

3.40 p.m.—FROM HOTEL CARLTON: Afternoon Tea Music from the Lounge played by Hotel Carlton Symphonist Orchestra.

4.15 p.m.—FROM THE STUDIO: "Telegraph" News.

4.40 p.m.—Close Down.

EARLY EVENING SESSION.

6.30 p.m.—"Daily Standard" News; Announcements.

7.0 p.m.—The Children's Hour: Stories by Little Miss Brisbane.

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

7.50 p.m.—Weather News; Announcements.

7.55 p.m.—Standard Time Signal.

7.55 p.m.—Lectures, "Swiss and Other Classics," Professor J. K. Murray (Queensland Agricultural High School and College).

NIGHT SESSION.

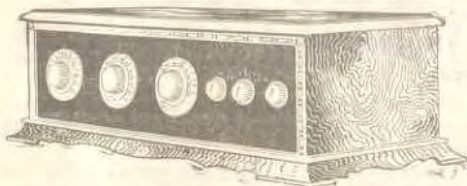
C.E.M. CONCERT.

The whole of to-night's programme will comprise a Concert arranged by the C.E.M. Unit, and played from that company's showrooms, Creek and Adelaide Streets, Brisbane.

8.0 p.m.—Overture, "The Soldier's Return" (Grunwald); "The Hussars"; Orchestra; (Mikma) address; soprano solo, "Serena" (Mokowski); Miss Ruth Portrate; baritone solo, "The Red Hearts of Bonny" (Sanderson); Mr. J. S. Ashton; violin solo, "Eurythmie on Paderewski's Minuet" (Bender); Mr. Alan Harris; contralto solo, "Down in the Forest" (London Ronald); Miss Ida McWhinnie; mezzo-soprano, "Pa and the Boy"; Miss Gladys Wikkup; tenor solo, "In the Day" (Lecocavallo); Mr. G. H. Cole; pianoforte solo, "Valse Parisienne" (Robert); Miss McDonald; soprano solo, "The Pines of Pan" (Monchton); Miss Doris Eiler; alto solo, "Helen Allensak" (Ranz); Master Brown; baritone solo, "The Lute Player" (Allison); Mr. G. Sherrin; selection, "You Mean Girls" (Wood); the "Kodak" Orchestra; a radio talk by Mr. W. Finlay.

9.0 p.m.—Metropolitan Weather Forecast; songlets, "Under the Stars" (Dunley), the "Clyde" Orchestra; soprano solo, "You Come Home" (Squire); Miss Dulcie Paterson; baritone solo, "Down the Vale"

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This is typical of many letters which we have and you are invited to come and see them for yourself.

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Polished Maple or Oak.	
Floor Model (c)	£29 10 0
Polished Rosewood.	

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(Moit), Mr. J. Jugeger; contralto solo, "The Beauty" (Nevin); Mrs. Brown; pianoforte solo, "Shudow Dance" (McDowall), Miss Thelma Harris; recitation, "A Trip in a Train," Miss Dorothea Rowe; soprano solo, "One Fine Day" (Forsyth); Mrs. Max; violin solo, "Second Rhapsody" (Tausig), Mr. Alan Harris; soprano solo, "April Morn" (Ballen); Mrs. A. Jordan; bass solo, "The Wreck" (Latta); Mr. E. Collins; piano solo, "For You Alone" (Gosch); Mr. G. S. Cole.

10.9 p.m.—Dance Music by "O.C.M." Orchestra.
10.45 p.m.—FROM THE STUDIO: "The Daily Mail" News; Weather News; Close Down.

5CL, ADELAIDE.

Wednesday.

MORNING SESSION.

12 noon.—G.P.O. chimes.
12.1 p.m.—Recitals on the "New Broadcasting Station" and its "Antiphone Hourglass."
12.30 p.m.—"Advertiser" news service.
12.50 p.m.—Market reports.
1 p.m.—G.P.O. chimes.
1.1 p.m.—Musical programme continued.
2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. chimes.
3.1 p.m.—Relay from the Manie Leaf Cafe—Orchestral selections.
3.25 p.m.—From the Studio. Musical Items.
4 p.m.—G.P.O. chimes.
4.1 p.m.—Relay from the Arcadia Cafe—Orchestral selections.
4.35 p.m.—Station announcements.
5 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

6 p.m.—G.P.O. chimes.
6.1 p.m.—Dinner music by the Covent Garden Orchestra.
6.45 p.m.—Bedtime stories.
7.25 p.m.—Market reports.
7.55 p.m.—Boy Scouts' Career.
7.55 p.m.—Faulding's scientific talk.
8 p.m.—G.P.O. chimes.
8.1 p.m.—An entertainment by the Clayton Choral Club—(a) "Who rides for the King?" (b) "Softly fall the shades of evening;" violin solo, Mr. Hartley Williams; song, "An old garden;" Miss Jean Sheehy, A.M.U.A.; Clayton Choral Club—(a) "An Erikay love lull;" solo by Mr. Arnold Matters, A.M.U.A.; "Come to the fair;" cello solo; humorous recitation, Miss Pauline Abraham; Clayton Choral Club—(a) "Evening;" (b) "The Ice Storm;" Violin solo, Mr. Hartley Williams; contralto solo, "The sands of Dee;" Miss Jean Sheehy, Clayton Choral Club—(a) "On Hibernia;" "Song of the Pedlar;" Cello solo; baritone solo, Mr. Arnold Matters, A.M.U.A.; humorous recitation, Miss Pauline Abraham; piano-forte solo, Mr. U. I. Bentley, L.A.B.
10 p.m.—G.P.O. chimes.
10.1 p.m.—"Advertiser" news service.
10.15 p.m.—Contralto solo, Miss Jean Sheehy.
10.18 p.m.—Cello solo.
10.25 p.m.—Baritone solo, Mr. Arnold Matters.
10.27 p.m.—Recitation, Miss Pauline Abraham.
10.32 p.m.—Jarmichael's Dance Orchestra.
11 p.m.—G.P.O. chimes and close down.

6WF, PERTH.

Wednesday.

12.40 p.m.—Tune In.
12.55 p.m.—First Local News Bulletin; Market Reports; Cable.
1.0 p.m.—Time Signal from Perth Observatory.
1.1 p.m.—Weather Notes Supplied by the Meteorological Bureau of Western Australia.

12 noon.—A RELAY: Lunch-hour Concert relayed from Loris House, arranged by Messrs. Mangrova's Limited.

1.30 p.m.—STUDIO QUARTETTE.

3.0 p.m.—Close Down.

3.30 p.m.—Tune In.

3.45 p.m.—Musical Programme.

4.0 p.m.—STUDIO INSTRUMENTAL TRIO.

4.45 p.m.—Close Down.

4.50 p.m.—Tune In.

5.0 p.m.—Children's Pleasures: "All Babs and the Party Thieves," by Uncle Duffy, with Annie Kay and Kezia and Uelma Berry, Loris, Perry and Duffy.

7.00 p.m.—Stock and Share Intelligence; Market Reports; Cables; News by courtesy of "The Western Australian" Newspaper Coy.

7.45 p.m.—Talk.

8.0 p.m.—Time Signal from Perth Observatory.

8.1 p.m.—Weather Notes Supplied by the Meteorological Bureau of Western Australia.

12 noon.—VARIETY NIGHT: Items by the STUDIO STRING TRIO—

Miss Evelyn White, A.R.C.M. ... Piano

Mr. H. G. Baham ... Cello

Mr. H. T. Newton ... Violin

Vocal Assisting: Artists by courtesy of "The Daily News" Newspaper Coy.; Ships

with Range Announcements; Weather Report.

10.30 p.m.—Close Down.

7ZL, HOBART

Wednesday.

MIDDAY SESSION.

12 noon.—Chimes and Tune In.

12.1 p.m.—Tune in selection.

12.4 p.m.—Weather information.

12.5 p.m.—British official wireless news.

13.10 p.m.—"Mercury" news service.

13.30 p.m.—Musical selection.

13.55 p.m.—Shipping information.

14.00 p.m.—Mail notices.

Commercial news.

Housewives' guide.

Sparring anticipations.

13.58 p.m.—Hobart Stock Exchange quotations.

12.55 p.m.—Foreign Exchange Market.

1.0 p.m.—1.30 p.m.—Musical items from the studio.

1.30 p.m.—Rotary Club luncheon talk broadcast by direct wire from Imperial Hotel, Hobart.

1.0 p.m.—Close down.

AFTERNOON SESSION.

1.0 p.m.—G.P.O. Clock Chimes.

1.1 p.m.—Orchestral selections by 7ZL Studio Orchestra.

4 p.m.—Readings from the "Illustrated Tasmanian Mail."

4.10 p.m.—Orchestral selections continued.

4.30 p.m.—G.P.O. Clock Chimes.

Close down.

EARLY EVENING SESSION.

6.30 p.m.—7.30 p.m.—Children's Hour.

7.30 p.m.—Story from "Illustrated Tasmanian Mail." Birthday Greetings.

NIGHT SESSION.

7.35 p.m.—Musical Selection.

7.35 p.m.—Abstracts and Stock Market Report through the courtesy of Roberts and Co. Ltd., Hobart.

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

7.55 p.m.—Railway Auction Produce Sales, Hobart Stock Exchange quotations, Weather information.

Sparring Results.

8 p.m.—G.P.O. Clock Chimes.

8.0 p.m.—8.55 p.m.—Duff's Concert.

8.41 p.m.—British official wireless news.

8.55 p.m.—Tasmanian District Weather Report.

8.55 p.m.—Weather synopses.

Station announcements.

10 p.m.—Close down.

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Paton

Thursday, June 16 2FC, SYDNEY.

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.
7.15 a.m.—Studio music.
7.45 a.m.—Country weather: Official weather forecast; rainfall; temperatures; astronomical memoranda; shipping intelligence; mail service.

7.55 a.m.—Investment market, mining share market, metal quotations.
7.56 a.m.—Wool shares, breadstuffs markets, Inter-State markets, produce markets.
7.46 a.m.—"Sydney Morning Herald" summary.
8 a.m.—"Big Ben." Close down.

MORNING SESSION.

10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Studio music.
10.5 a.m.—"Sydney Morning Herald" news service.
10.10 a.m.—Studio music.
11 a.m.—"Big Ben" A.P.A. and Hunter's cable.

11.10 a.m.—A Talk by the 2FC Hearing Commissioner.
11.50 a.m.—Marching music for school children.
12.30 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and programme announcements.
12.2 a.m.—Stock Exchange, first call.
12.3 p.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence; mail service.

12.5 p.m.—Studio music.
12.55 p.m.—Summary of "Sydney Morning Herald" news service and cable.

12.55 p.m.—Studio music.
12.40 p.m.—Miss Sybil Atholwood, mezzo: "Song of Songs" (Moyse).
12.45 p.m.—Studio music.
1.0 p.m.—"Big Ben." Weather intelligence.
1.3 p.m.—"Evening News" today news service.

Producers' Distributing Society's Report.
1.20 p.m.—Studio music.

1.25 p.m.—Stock Exchange, second call.
1.30 p.m.—Marching music for school children.
1.40 p.m.—Miss Sybil Atholwood, mezzo: "God Touched the Tree" (Brown).
1.45 p.m.—Studio music.

1.55 p.m.—Last minute sporting information by the 2FC Racing Commissioner.
Close down.

AFTERNOON SESSION.

2 p.m.—"Big Ben" and announcements.
2.0 p.m.—FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:
Orchestra: Band.

2.10 p.m.—FROM THE STUDIO:
Marching Music for school children.

2.30 p.m.—FROM FARMER'S TEA ROOMS:
Miss Jeanette Rooney, contralto: "Salome" (Dow).
2.45 p.m.—A Dickens Reading by Mr. A. R. Cochrane.

2.55 p.m.—FROM FARMER'S TEA ROOMS:
Miss Eileen Jenkins, soprano: "Musetta's Song" (Puccini).

3.5 p.m.—FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:
Orchestra: Band.

3.15 p.m.—FROM THE STUDIO:
Miss Edith D'Arcy, Lyric soprano: "In a Garden" (Howley).

3.25 p.m.—FROM FARMER'S TEA ROOMS:
Miss Jeanette Rooney, contralto: "How Many a Lonely caravan" (Einde).
3.25 a.m.—FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:
Orchestra: Band.

3.40 p.m.—FROM FARMER'S TEA ROOMS:
Miss Eileen Jenkins, soprano: "Carolina" (Pena) (by request).

3.45 p.m.—Stock Exchange, third call.
3.50 p.m.—Miss Edith D'Arcy, Lyric soprano: "I hear a Thrush at Eve" (Caldwell).

3.50 p.m.—FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:
Orchestra: Band.

4 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.45 p.m.—The chimes of 2FC.
5.50 p.m.—The "Hello Men" talks to the children.

6.30 p.m.—A Serial Story.
7 p.m.—"Big Ben."
Late sporting information.

7.10 p.m.—Daily Market Reports (wheat, wheat and stock).

7.18 p.m.—Fruit and vegetable markets.
7.20 p.m.—Weather and shipping intelligence.
Stock Exchange.

7.30 p.m.—Late "Evening News" news service.

NIGHT SESSION.

7.40 p.m.—Programme announcements.
7.45 p.m.—A Talk by Captain Fred Cairns on the Stage of Old England.

8 p.m.—"Big Ben."
Mr. Oliver King, bass: "Clear the way for the Call of Gold" (from "Faulstich") (Gronow).

8.6 p.m.—FROM ST. ANDREW'S CATHEDRAL, GEORGE STREET, SYDNEY:
The first of a series of Recitals by the well-known English Organist.

10.10 p.m.—FROM THE STUDIO:
Miss Mabel Batchelor, soprano.

10.34 p.m.—FROM ST. ANDREW'S CATHEDRAL, GEORGE STREET, SYDNEY:
Recital from the Organ Recital by Dr. T. Haig.

11 p.m.—"Big Ben."
FROM THE STUDIO:
Mr. Oliver King, bass:

(a) "The Fisherman's Boy" (Martin Shaw).
(b) "Come you, Mary" (Harold Claxton).

9.7 p.m.—FROM ST. ANDREW'S CATHEDRAL, GEORGE STREET, SYDNEY:
Recital from the Organ Recital by Dr. T. Haig.

9.20 p.m.—FROM THE STUDIO:
—Mr. W. F. Kay—in continuation of his talk will deal with "Hambro's I Have Seen."

9.25 p.m.—Mr. Oliver King, bass:
(a) "The Road to the Isles" (arr. Fraser).
(b) "To People who have Gardens" (arr. Fraser).

9.42 p.m.—Mr. Ellis Price, entertainer:
(a) "The Old Actor" (Pipes).
(b) "Cauling Time" (Jackson).

9.50 p.m.—Miss Mabel Batchelor, soprano:
(a) "One Spring Morning" (Nevin-Schacht).
(b) "The Little Heart of May" (Gwynther).

9.58 p.m.—Mr. Ad. Cree, Scotch comedian:
"The Sailor" (Cree).

10.3 p.m.—Miss Mabel Batchelor, soprano:
"Will ye no come back hame" (arr. Scott) (Barthol).
10.7 p.m.—Mr. Ellis Price, entertainer:
(a) "Omby" (Herbert).
(b) "We all do it" (Hayes).

10.10 p.m.—Late news and announcements.
10.20 p.m.—FROM THE WESTWORTH CAFE, CHURCH HILL, SYDNEY:
The New Westworth Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.

10.25 p.m.—FROM THE STUDIO:
Mr. Ad Cree, Scotch comedian:
(a) "Gang awa' Bonnie Lassie" (Gibson).
(b) "Wire In, My Lady" (Hawley).

10.35 p.m.—FROM THE WESTWORTH CAFE:
The New Westworth Symphonic Dance Orchestra in popular numbers.

10.50 p.m.—Celebrity recital from the Studio.
11 p.m.—"Big Ben."
The New Westworth Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.

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

2BL, SYDNEY

Thursday.

DAY SESSION.

11 a.m.—G.P.O. Clock and Chimes.
11.3 a.m.—Business programme from the Studio.
11.10 a.m.—News from the "Sun."

11.20 a.m.—Special Notes. Replies to correspondents by Mrs. Jordan.
Talk on "Interior Decoration" by Mrs. Jordan.

12 noon.—G.P.O. Clock and Chimes.
 12.15 p.m.—Special Ocean Forecast and Weather Report.
 12.30 p.m.—Musical programme from the Studio.
 12.45 p.m.—Information: Mails and Shipping and movements of important ships.
 12.55 p.m.—Friday Stock Exchange Calls.
 1.10 p.m.—Boats in sail by wireless.
 1.20 p.m.—Fruit Market Report.
 1.25 p.m.—Vegetable Market Report.
 1.30 p.m.—London Metal Market Report.
 1.35 p.m.—Dairy and Farm Produce Market Report.

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

1.59 p.m.—Sporting information ("Sun").
 2.05 p.m.—Hilberts Instrumental Quartet; direction, Cyril Costing.
 2.10 p.m.—G.P.O. Clock and Chimes.
 2.15 p.m.—News from the "Sun."
 2.30 p.m.—Musical programme from the Studio.
 2.40 p.m.—Friday Stock Exchange Calls.
 2.50 p.m.—News from the "Sun."

2.55 p.m.—G.P.O. Clock and Chimes.
RACING INFORMATION—BROADCAST IMMEDIATELY AFTER EACH RACE BY COURTESY OF THE "SUN."

3.1 p.m.—Talk to Children and Special Entertainment for Children in Hospital.
 3.20 p.m.—News from the "Sun."
 3.30 p.m.—G.P.O. Clock and Chimes.
 3.40 p.m.—Musical programme from the Studio.
 3.50 p.m.—News from the "Sun."

3.55 p.m.—Musical programme from the Studio.
 4.05 p.m.—G.P.O. Clock and Chimes.
 4.15 p.m.—News from the "Sun."
 4.30 p.m.—Musical programme from the Studio.
 4.40 p.m.—G.P.O. Clock and Chimes.
 4.50 p.m.—News from the "Sun."
 5.00 p.m.—Musical programme from the Studio.
 5.10 p.m.—News from the "Sun."

5.15 p.m.—G.P.O. Clock and Chimes.
 5.25 p.m.—Musical programme from the Studio.
 5.35 p.m.—News from the "Sun."
 5.45 p.m.—Racing Results.
 5.55 p.m.—Programme: Highlighting Society's Work and Vegetable Market Report.
 6.05 p.m.—Resume of night's programme.
 6.10 p.m.—Announcements.
 6.20 p.m.—Special Ocean Forecast.
 6.30 p.m.—G.P.O. Clock and Chimes.
 Close down.

EARLY EVENING SESSION.
 6.45 p.m.—G.P.O. Clock and Chimes.
 6.55 p.m.—Uncle George and the Kidlets.
 7.05 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.
 7.10 p.m.—G.P.O. Clock and Chimes.
 Australian Mercurials, Land and Finance Co's Report.
 Weather Report and Forecast by courtesy of Govt. Meteorologist.
 Freshness Distributing Society's Fruit and Vegetable Market Report.

Stock Exchange Reports (Baro's), Grain and Fodder Report ("Sun"), Dairy Produce Report ("Sun").
 7.15 p.m.—Country News from the "Sun."
 7.30 p.m.—Talk on "Gustavus of Valtia's Death" by Mr. Hubert Mackham, I.R.E.

NIGHT SESSION.
 7.35 p.m.—G.P.O. Clock and Chimes.
 Trainers' Tonic Chorus.
 7.5 p.m.—The Abad Duo (fretted guitars).
 8.10 p.m.—Mr. Dad Osborne (descriptive artist).

8.15 p.m.—Miss Dorrie Ward (soprano).
 8.25 p.m.—Mr. Bert Wayne (comedian).
 8.35 p.m.—Miss Edith Kilmister (pianist).
 8.45 p.m.—Mr. W. F. Lewis (baritone).
 8.55 p.m.—Miss Grace Quinn (descriptive artist).

9.05 p.m.—Resume of following day's programme.
 Weather Report and Forecast by courtesy of Mr. E. J. Morris, Govt. Meteorologist.
 9.10 p.m.—G.P.O. Clock and Chimes.
 9.15 p.m.—Duo, Miss Dorrie Ward and Mr. W. F. Lewis.
 9.25 p.m.—Comedy Sketch by Players' Club.
 9.35 p.m.—The Abad Duo.

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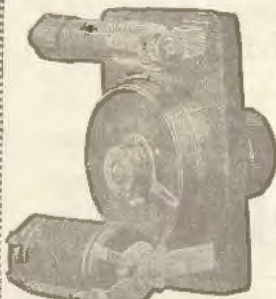
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9.32 p.m.—Miss Dorrie Ward
9.39 p.m.—Osborne and Warner.
9.51 p.m.—Miss Edith Kilminster.
9.58 p.m.—Mr. W. E. Lewis.
10.5 p.m.—Miss Grace Quinn.
10.13 p.m.—Mr. Morrison and his (Lion) chairs, broadcast from the Ballroom of the Bondi Casino. During intervals between dances "Star" news will be broadcast.
11 p.m.—G.F.A. Clock and Chimes.
National Anthem.

3LO, MELBOURNE.

Thursday.

MIDDAY SESSION.

12 noon.—Time Signal; British Official Wireless News from Rugby; Reuter's and the Australian Press Association Cable; "Argus" and "Herald" News Service.
12.15 p.m.—Under the Auspices of the Theatre Goers and Community Singers' Association, COMMUNITY SINGING, transmitted from the ASSEMBLY HALL, Collins Street.
1.45 p.m.—Stock Exchange Information.
2.0 p.m.—Close Town.
2.0 p.m.—AFTERNOON SESSION.
2.0 p.m.—STUDIO ORCHESTRA, "Gavotte and Musette" (Staff).
3.10 p.m.—O'MARA AND BURKE, Entertainers from the Emerald Hill, Anna Burke, "Beautiful Ladies" (M. Nono), Chas. O'Mara, "The Maid of the Street Brown Knowe"—Traditional Air.
3.20 p.m.—TASMA TIERNAN, "Cello Recital."

"Cantilena from Gottfried Concerto (Allegro Appassionato)" (Salut Saens), Suite Sonata, Born at Paris in 1885. His First Symphony was written and successfully performed when he was 16. From 1850 to he was organist of the Madeleine. He was a very fine organ and piano player. His works include several operas (the best known of which is "Samson and Delilah"), a large quantity of chamber music, a few symphonies, concertos, and other successful music. Before his death in 1921 he expressed his satisfaction with the records of the Second Concerto in G. Minor, and congratulated the Gramophone Company on their achievement.

3.32 p.m.—MADOLINE KNIGHT, Contralto, "Rusben" (Needham), "Sanctuary" (Thomas).
3.40 p.m.—STUDIO ORCHESTRA, "Jester's Serenade" (Herbert).
3.50 p.m.—CARLTON CHASE, Light Comedian, "Merry Musical Moments."
3.57 p.m.—HARRY NORTH, English Concertina, "Old Time Melodica."

4.4 p.m.—STUDIO ORCHESTRA, "Rogene Oerpin" (Tschakowski).
4.8 p.m.—MADOLINE KNIGHT, Contralto, "Hills of the Homeland" (Moade).
4.15 p.m.—MISS FRANCES FRASER, "J. M. Barrie."
4.40 p.m.—Herald News Service; Stock Exchange Information; Acceptances for Caulfield Races, Saturday, June 18th.
4.45 p.m.—EVENSONG, transmitted from St. Paul's Cathedral.

EVENING SESSION.

CHILDREN'S HOUR.

Storyteller "MARY GUMLEAF"
HARRY NORTH, English Concertina.
Acceptance "ELSIE BRADSHAW"
"CHILDREN ARE THE KEYS OF PARADISE"—Stoddard.
5.50 p.m.—Answers to letters and birthday greetings.
5.50 p.m.—HARRY NORTH, Concertina, "Selections."
5.57 p.m.—"MARY GUMLEAF," Poems, "The Little Blue Sanbonnet."
Story for the Little Ones, "The Friends of Fairy Flivving."
5.7 p.m.—HARRY NORTH, Concertina, "Selections."
6.10 p.m.—"MARY GUMLEAF," Story for the older children, "The Treasure in the House."
6.30 p.m.—Official Report of Newmarket Stock Sales; Cow Sales.

6.35 p.m.—"Argus" and "Herald" News Service; Weather Synopsis; Shipping Movements.

6.47 p.m.—Stock Exchange Information, 6.52 p.m.—"Flashes" Reports, by J. R. Borrell, Ltd.; Rabbit Prices.
6.59 p.m.—Market Reports.
6.58 p.m.—River Reports by the Victorian Franchise Commission, Ltd.; Dairy Produce; Potatoes; Onions; Newmarket Sheep Sales; Poultry; Grain; Jute and Straw.

7.8 p.m.—Market Reports of Fruit, by the Victorian Fruitgrowers' Association, compiled by the "Fruit World," exclusive to 3LO.
NIGHT SESSION.

7.15 p.m.—Under the auspices of the "Entertainment and Publicity Society" MR. V. J. LEITCHER, Chairman of the Indoor Organization Committee, will speak on, "Trams v. Buses for City Transport."

7.30 p.m.—MR. CHARLES NUTTALL, "Do You Like Work?"

7.45 p.m.—MR. HALL NORCROSS, now appearing in "Six Gables" at the Kings Theatre, will speak to you from his dressing-room, by permission of J. C. Williamson, Ltd.

8 p.m.—MR. ROD MCGREGOR, will speak on, "Saturday's Football."

8.25 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS, "My Garden" (Grosno), "Zulleke" (Gunning), "Way Down Home" (Stamper).

8.35 p.m.—MR. E. H. CATHRICK, who is making a test tour Motor Cycle, will speak for a few minutes.

8.35 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS, "I've Never Seen a Straight Banana" (Wise), "Perfume of the Past" (Mayson), "There Ain't no Maple in My Baby's Eye" (Travers).

8.45 p.m.—CARLTON CHASE, Light Comedian, "Merry Musical Moments."

8.49 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS, "We Don't Want to Get Married" (Steen), "Laughing at the Ivoices" (Wendahl), Piano Solo.

8.59 p.m.—MADOLINE KNIGHT, Contralto, "Smile Through Your Tears" (Hamblen).
9.2 p.m.—Announcements.

9.2 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS, "Parades Alley" (Archer), "While the Years Go Drifting By" (Kahn), "Vols."

9.21 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS, "Where Did You Get Those Eyes" (Donaldson), "Sing, Katie, But Leave the Piano Alone" (Travers).

9.25 p.m.—"Disraeli Desmond" (Ellet).
9.31 p.m.—MADOLINE KNIGHT, Contralto, "If Winter Comes."

9.35 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS, "Whisper Sh" (Bryan), "No Feelin'" (Bryan), "Cherie, I Love You" (Goodman).

9.45 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S FREE MESSAGE FOR TO-DAY, IS FOR—ALL DRIVERS—"DON'T" unnecessarily obstruct another driver by holding to the centre of the road after receiving his signal that he wishes to pass."

9.46 p.m.—CARLTON CHASE, Light Comedian, "Baby Face."

9.50 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS, "The Animal Fair" (La Furres), "The Savoy Melody of Modley" (Arr. Somers), "Scotch Fantasy" (Nashbaum).

10.0 p.m.—"Argus" News Service; British Official Wireless News.

10.10 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS, "The More We Are Together" (Campbell), "Say That You Love Me" (Nichols).

- "Do The Black Bottom With Me" (Meyer).
10.20 p.m. Meteorological Information.
Sounding Notes by "Egmont".
10.25 p.m. JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS.
"Shouts in Back Again With His Horn,
Trumpet, Trombone."
"She's Everybody's Sweetheart" (Rose).
"I Made You Jump" (Donaldson).
10.30 p.m. CARLTON CHASE, Light Com-
edian.
"Merry Musical Moments."
10.35 p.m. JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS.
"While We Dined 'Til Dawn" (Schuster).
"Let's Grow Old Together" (Nelson).
"Talking to the Moon" (Hawcotte).
10.40 p.m. IDA NEWTON.
"You Must Know Where to Stop."
10.50 p.m. JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS.
"Madame Laek" (Fiorini).
"At Peace With the World" (Hertel).
"Frolic" (Greer).
11.0 p.m. GIK GREAT THOUGHT.
"When a man has not a good reason
for doing a thing, he has one good reason
for letting it alone."—Rev. Thomas Scott.
11.1 p.m. JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS.
"Helter on the Keys" (Goffert).
"A Message from Missouri" (Gustaf).
"Somebody's Lovin'" (Gibbs).
11.15 p.m. JOE BIRNMAN.
"Makin'".
11.20 p.m. JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS.
"How Could Red Riding Hood" (Hansblich).
"My Pal Jerry" (Rose).
"Song of the Wanderer" (Meyer).
11.25 p.m. IDA NEWTON.
"Just 'Till He Fall Out of Bed."
11.30 p.m. JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS.
"Kentucky Lullaby" (Hullie).
"My Heart of the Big Parade" (Dulain).
"It's a Wonderful World After All" (Dove).
11.40 p.m. GUD LAYE, THE KING.

4QG, BRISBANE.

Thursday

MIDDAY SESSION

- 1.0 p.m. Market Reports; Weather Informa-
tion; "The Daily Mail" and "The Daily
Standard" News.
1.15 p.m. FROM HOTEL CARLTON: Lunch
Music played by Hotel Carlton Symphony
Orchestra.
1.30 p.m. FROM THE OBSERVATORY:
Standard Time Signal.
2.0 p.m. Close Down.

AFTERNOON SESSION

- 3.30 p.m. A PROGRAMME OF MUSIC
FROM THE STUDIO: Duo Art Selection.
"La Madama" (Sweet); Avellan Vocalist
Selections: (a) orchestral, "Faint Ballo
Music" (Gronoff); (b) orchestra, "Irene
and Jack Knowles"; Duo Art Selection.
"Meditation"; Avellan Vocalist Selections:
(a) Ballad, "(B) Captain, March" (Simon).
11.5.4.—"The Bogie on Band"; (a) lone solo,
"Out on the Deep" (Lahr); Mr. Malcolm
McLachlan; Duo Art selection, "Vintage
Waltz" (Gronoff); Avellan Vocalist selec-
tions: (a) duet, "Let's Make Up" (Goldie);
(b) quartette, "Plantation Lullaby" (Stevens); Shantam
Four; Duo Art selection, "Hullo Aloha"
(Barr).

- 4.10 p.m. "Telegraph" News.

- 4.30 p.m. Close Down.

BABY EVENING SESSION

- 6.5 p.m. "Daily Standard" News; Amuseme-
ments.
8.0 p.m.—The Children's Session: Stories by
"The Sandman."
8.10 p.m.—Market Reports; Stock Reports.
8.20 p.m.—Weather News; Announcements.
8.40 p.m.—Standard Time.
9. p.m.—Lecture, "A Talk on Sheep
Raising," Mr. J. Carey (Assistant In-
spector in Sheep and Wool).
NIGHT SESSION.
CORPUS CHRISTI CHORUS.
To-night's Programme will comprise a
recital by the Corpus Christi Church Choir.
Soudah (conductor, Mr. C. H. Hegarty;
accompanist, Miss Rene Crowe).

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8.0 p.m.—Chorus, "Gloria" (Hammerell), Capricorn Christi Choir; baritone solo, "Red Devon by the Sea" (Clarke), Mr. C. McGlin; solo and chorus, "Bells of St. Mary's" (Adams), the choir; contralto solo, "My Owa Humetowa in Leichen" (Solman); Miss Viva Crowe; vocal, "Vend Jean" (Cherulini), the choir; soprano solo, "Buy My Rosary" (Altieri), Miss D. Cloughier; chorus, "Ave! Christus" (Verdi), the choir; stationery item, "Not Understood" (Bracklen), Mr. D. Doyle; solo, duet and chorus, "Honesty" (Hammerell), the choir; violin solo, "Mona" (Adams), Mr. C. H. Hegarty; "Leseme" (Wienlawski), Miss Winnie Treckson; tenor solo, "Mona" (Adams), Mr. C. H. Hegarty; choral, "Mother Hubbard" (Weber); the choir; duet (soprano and tenor), "Keys of Heaven" (Graves), Miss D. Cloughier and Mr. C. H. Hegarty.

9.0 p.m.—Metropolitan. Weather Forecast; choral, "Owelo" (Hammersell), the choir; tenor solo, "Drake Goes West" (Banderow), Mr. J. Abbott; male chorus, "O. Salutaris" (Voght), male Choir; duet (contralto and tenor), "Kiss Paris" (Kallner), Miss Viva Crowe and Mr. C. H. Hegarty; violin solo, "Meditation" (Mussars), Miss Winnie Treckson; choral, "Daybreak" (Fanning), the choir; stationery, "The Thousandth Man" (Kipling), Mr. D. Doyle; contralto solo, "The Harvester's Night Song" (Power), Miss Viva Crowe; pianissimo melody, "Who Cares" (Scott Gatty), the choir; soprano solo, "When the Gey of the Skies" (Simpson), Miss D. Cloughier; chorus, "Laudate" (Zingarelli), the choir; baritone solo, "The Song of the Light-house Bell" (Petrie), Mr. C. McGlin; chorus, "Soldiers' Chorus" (from "Faust"—Gounod), the choir.
10.0 p.m.—FROM THE STUDIO: "The Daily Mail" News; Weather News; Close Down.

5CL, ADELAIDE.

Thursday.

MORNING SESSION.

12 noon.—G.P.O. chimes.
12.1 p.m.—Recitals on the "New Reproducing Sonora" and the "Autone Reproducer."
12.30 p.m.—"Advertiser" news service.
12.50 p.m.—Market reports.
1 p.m.—G.P.O. chimes.
1.10 p.m.—Musical programmes continued.
2 p.m.—G.P.O. chimes and close down.
AFTERNOON SESSION.
3 p.m.—G.P.O. chimes.
3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral selections.
3.45 p.m.—From the Studio—Recitals on the "New Reproducing Sonora" and the "Autone Reproducer."
4 p.m.—G.P.O. chimes.
4.1 p.m.—Relay from the Arcadia Cafe—Orchestral selections.

4.55 p.m.—Station announcements.
5 p.m.—G.P.O. chimes and close down.
EVENING SESSION.

6 p.m.—G.P.O. chimes.
6.1 p.m.—Dinner music by the Covent Garden Restaurant Orchestra.
6.45 p.m.—Bedtime stories.
7.30 p.m.—Market reports.
7.40 p.m.—Talk by Mr. A. M. Whittenbury.
8 p.m.—G.P.O. chimes.
8.1 p.m.—GCL Orchestra.
8.10 p.m.—Humorous item, Mr. F. Part.
8.16 p.m.—Contralto solo, Mrs. W. Harry.
8.19 p.m.—Bass solo, Mr. C. Bradley.
8.52 p.m.—Cornet solo, Mr. W. Rogers.
8.50 p.m.—Soprano solo, Miss Aileen Newlyn.
8.50 p.m.—Humorous item, Mr. F. Part.
8.58 p.m.—Baritone solo, Mr. Syd Morrell.
8.52 p.m.—GCL Orchestra.
9.02 p.m.—Contralto solo, Mrs. W. Harry.
9.05 p.m.—"Cello" solo, Mr. G. Goldsworthy.
9.05 p.m.—Soprano solo, Miss Aileen Newlyn.
9 p.m.—G.P.O. chimes.
9.4 p.m.—GCL Orchestra.
9.16 p.m.—Bass solo, Mr. C. Bradley.
9.14 p.m.—Contralto solo, Mrs. W. Harry.
9.21 p.m.—Humorous item, Mr. F. Part.
9.25 p.m.—Baritone solo, Mr. Syd Morrell.
9.50 p.m.—Pianoforte solo, Mr. Tom King.
9.54 p.m.—GCL Studio Orchestra.

8.45 p.m.—Contralto solo, Mrs. W. Harry.
9.48 p.m.—Flute solo, Mr. A. V. Nudd.
9.54 p.m.—Humorous item, Mr. F. Part.
10 p.m.—G.P.O. chimes.
10.1 p.m.—"Advertiser" news service.
10.10 p.m.—GCL Orchestra.
10.25 p.m.—Soprano solo, Miss Aileen Newlyn.
10.25 p.m.—Bass solo, Mr. Cyril Bradley.
10.27 p.m.—Violin solo, Miss Elzette Foglia.
10.32 p.m.—Baritone solo, Mr. Syd Morrell.
10.30 p.m.—Humorous item, Mr. F. Part.
10.42 p.m.—GCL Studio Orchestra.
11 p.m.—G.P.O. chimes and close down.

6WF, PERTH.

Thursday.

12.30 p.m.—Time In.
12.36 p.m.—First Local News Bulletin Market Reports; Cable.
1.0 p.m.—Time Signal from Perth Observatory.
1.1 p.m.—Weather Notes Supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—STUDIO QUINTETT.
2.0 p.m.—Time Down.
3.30 p.m.—Time In.
4.35 p.m.—Musical Programme, including Piano-forte Selections by MISS EVELYN WILLIAMS, A.B.C.M.
4.40 p.m.—STUDIO INSTRUMENTAL TRIO.
4.50 p.m.—Close Down.
6.45 p.m.—Time In.
6.50 p.m.—Stories for "Tiny Tots" by Annie Kats.
7.5 p.m.—Uncle Duffy, will Talk to the Kiddies.
7.50 p.m.—Stock and Share Intelligence; Market Reports; Cable; News by courtesy of "The West Australian" Newspaper Coy.
7.40 p.m.—Talk: "Natural Sources of Energy, No. 1," by MR. A. T. BOWDEN, B.Sc. (Eng.).
8.0 p.m.—Time Signal from Perth Observatory.
8.1 p.m.—Weather Notes Supplied by the Meteorological Bureau of Western Australia.
8.2 p.m.—ORCHESTRAL CONCERT: 6WF's Studio Orchestra, Conductor, MR. RONALD E. MOYLE, A.T.C.L., Vocal Assisting Artists.
9.0 p.m.—Travel Talk by JOHN COWIE, Esq., Representing Cook's Tourist Agency, Fremantle.
10.0 p.m.—Late News Items by courtesy of "The Daily News" Newspaper Coy.; Ships Within Range Announcement; Weather Report and Forecast.
10.30 p.m.—Close Down.

7ZL, HOBART.

Thursday.

MIDDAY SESSION.
12 noon.—Chimes and time in.
12.1 p.m.—Time in selection.
12.4 p.m.—Weather information.
12.5 p.m.—British official wireless news.
1.10 p.m.—"Melody" news service.
1.30 p.m.—Musical selection.
1.35 p.m.—Shipping information.
1.50 p.m.—Mail notices.
Commercial news.
Housewives' guide.
1.50 p.m.—Hobart Stock Exchange quotations.
1.55 p.m.—Foreign Exchange Market.
1 p.m.—Musical items from the Studio.
1.30 p.m.—Lunchtime talk or musical items.
1.55 p.m.—Boat express information.
2 p.m.—Close down.
AFTERNOON SESSION.
3 p.m.—G.P.O. Clock Chimes.
3.1 p.m.—Orchestral selection by ZL Orchestra.
4 p.m.—Chat by Child Welfare Nurse.
4.10 p.m.—Orchestral selections continued.
5 p.m.—G.P.O. Clock Chimes, and Close Down.
EARLY EVENING SESSION.
6.30 p.m.—7.30 p.m.—Children's Hour.
6.30 p.m.—"The Adventure of George, the Bookshelf Kitten," by "Aunt Stella."

NIGHT SESSION.

- 7.30 p.m.—Musical selection.
 7.45 p.m.—Sports Budget, through the courtesy of Mr. H. W. Newton, of Hobart Sports Depot.
 7.55 p.m.—"Mercury" special Tasmanian news service.
 7.55 p.m.—Railway Auction Produce Sales.
 8.00 p.m.—Hobart Stock Exchange quotations.
 8.00 p.m.—Weather information.
 8.05 p.m.—G.P.O. Clock Chimes.
 8.1 p.m.—8.59 p.m.—Studio Concert.
 8.55 p.m.—"Mercury" special Interstate news service.
 9.05 p.m.—Tasmanian District Weather Reports.
 9.10 p.m.—Weather synopsis.
 9.15 p.m.—Station announcements.
 10 p.m.—Close down.

Friday, June 17

2FC, SYDNEY

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and programme announcements.
 7.15 a.m.—Music from the Studio.
 7.25 a.m.—Country Session. Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
 7.35 a.m.—Investment market, mining share market, metal quotations.
 7.45 a.m.—Wool sales, breadstuffs, markets, Inter-State markets, produce markets.
 7.55 a.m.—"Sydney Morning Herald" summary.
 8 a.m.—"Big Ben." Close down.

MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
 10.5 a.m.—Studio music.
 10.55 a.m.—"Sydney Morning Herald" news service.
 10.58 a.m.—Studio music.
 11 a.m.—"Big Ben."
 A.P.A. and Dealer's Cabins.
 11.10 a.m.—A talk on Home Cooking and Recipes by Miss Ruth Forat.
 11.30 a.m.—Marching music for school children.
 11.35 a.m.—Close down.

MIDDAY SESSION.

- 12 noon—"Big Ben" and programme announcements.
 12.2 p.m.—Stock Exchange, first call.
 12.5 p.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
 12.5 p.m.—Studio music.
 12.59 p.m.—Summary of "Sydney Morning Herald" news service and cables.
 1.00 p.m.—Studio music.
 12.55 p.m.—Studio music.
 12.49 p.m.—Miss Eva Webb-Jones, soprano: "Over the Steeps" (Gretchenknopf).
 12.45 p.m.—Studio music.
 1.00 p.m.—"Big Ben."
 Weather intelligence.
 1.2 p.m.—"Evening News" midday news service.
 Freshmen's Distributing Society's Report.
 1.29 p.m.—Studio music.
 1.38 p.m.—Stock Exchange, second call.
 1.38 p.m.—Marching music for school children.
 1.45 p.m.—Miss Eva Webb-Jones, soprano: "In the Silent Night" (Rachmaninov).
 1.48 p.m.—Studio music.
 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- 3 p.m.—"Big Ben" and announcements.
 3.7 p.m.—Franchère solos (from the Studio).
 3.28 p.m.—Mr. Clyde Thorpe, violinist.
 3.38 p.m.—Marching music for school children.
 3.45 p.m.—FROM FARMER'S TEA ROOMS: Miss Ethel Muller, contralto: "My Shoo" (del Riego).
 3.46 p.m.—A Reading.
 4 p.m.—"Big Ben."
 FROM FARMER'S TEA ROOMS:
 Miss Kay Craven, mezzo: "Summer" (Lohke).
 4.5 p.m.—FROM THE STUDIO:
 Dupletime solos by Mr. Kewat Chapple.

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SWAIN'S

119-123 Pitt Street
Sydney.

- 4.15 p.m.—Miss Muriel Hemphries, contralto: "Because of You" (Solman).
- 4.20 p.m.—FROM FARMER'S TEA ROOMS: Miss Ethel Miller, contralto: "Come for 10 June" (Forster).
- 4.26 p.m.—Studio music.
- 4.30 p.m.—Miss Muriel Hemphries, contralto: "Violet" (Mullins).
- 4.35 p.m.—Studio music.
- 4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss May Craven, mezzo: "Little Brown Bird" (del Rio).
- 4.45 p.m.—Stock Exchange, third call.
- 4.48 p.m.—Studio music.
- 5 p.m.—"Big Ben." Class down.

EARLY EVENING SESSION.

- 5.45 p.m.—The chimes of 2FC.
- 5.50 p.m.—The "Halo Man" talks to the children.
- 6.30 p.m.—A Serial Story.
- 6.40 p.m.—Dinner music.
- 7 p.m.—Last minute sporting information by the 2FC Racing Commentator.
- 7.10 p.m.—Dairylea's Market Reports (wool, wheat and stock).
- 7.15 p.m.—Fruit and vegetable markets.
- 7.20 p.m.—Waters and shipping intelligence. Stock Exchange.
- 7.25 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.45 p.m.—The Chimes of 2FC and programme announcement.
- 7.50 p.m.—A talk on Bridge by Mr. Graham Kent. Subject, "Common Errors."
- 8 p.m.—"Die Bes" FROM THE LYRIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY: Items by Jimmy Eilkin's Orchestra with the Grand Organ.
- 8.14 p.m.—Mr. Michael Brian, baritone: "Mita Ghana" (Newton).
- 8.18 p.m.—Mr. Henk Vreede, clarionette solo.
- 8.24 p.m.—Mr. Alfred O'Shea, Australian's foremost tenor.
- 8.29 p.m.—Mr. Scott Alexander in a Comedy Sketch.
- 8.40 p.m.—Mr. Michael Brian, baritone: "All for You" (Coomba).
- 8.50 p.m.—Mr. Henk Vreede, clarionette solo.
- 8.55 p.m.—Mr. Alfred O'Shea, tenor.
- 9 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY: Items by Jimmy Eilkin's Orchestra with the Grand Organ.
- 9.10 p.m.—FROM THE STUDIO: Mr. Alfred O'Shea, tenor (request numbers).
- 9.15 p.m.—Mr. Harrison White, basso solo: (a) Intermezzo from "Cavalieria Rusticana" (Mascagni). (b) Fox Trot, "Daddy Parr."
- 9.22 p.m.—Mr. Henk Vreede, clarionette solo.
- 9.25 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY: Items by Jimmy Eilkin's Orchestra with the Grand Organ.
- 9.30 p.m.—FROM THE STUDIO: Mr. Scott Alexander in a humorous Sketch.
- 9.42 p.m.—Mr. Harrison White, basso solo: (a) "In a Little Spanish Town." Waltz. (b) "Hong Kong Dream (G)." Fox Trot.
- 9.50 p.m.—In response to requests, examples will be given from Wagner's Humeral Opera: "THE MASTERSINGERS OF NUREM-BERG," by the use of "His Majesty's Voice" Records, with the following cast: Hans Sachs and Pömer, Robert Radford, Walther and David, Tudor Davis, Beckmesser, William Michael, Kothner, Edward Halliday, Eva, Florence Austral, Magdalena, Nellie Walker, Davis Lemm, Chorus and full Orchestra. Conductor, ALBERT VALES.
- 10.40 p.m.—Late news and announcements.
- 10.45 p.m.—FROM THE WENTWORTH CAPE, CHURCH HILL, SYDNEY: Items by the New Wentworth Symphonic House Orchestra under the baton of Mr. Frederick Leighton.
- 11.15 p.m.—National Anthem. Close down.

3LO, MELBOURNE.

Friday

MIDDAY SESSION.

VAUGHANVILLE AMITIES.

- 12 noon.—Lize Skomal, British official wireless news from Bugby. Reuter's and the Australian Press Association cables. "Arms" news service. "Herald" news service.
- 12.30 p.m.—ARTHUR DOUGLAS, emcee: "When I Met Mabel."
- 12.37 p.m.—STUDIO ORCHESTRA: "The Ballad Princess" (Roubini).
- 12.47 p.m.—Stock Exchange information.
- 12.48 p.m.—JOE BIRNEMAN AND ADA NEWTON: "Barleque."
- Joe Brennan, "Hollies."
- 12.50 p.m.—STUDIO ORCHESTRA: "Merzelle" (Gononi).
- 1 p.m.—CABARET CHASE: "You Forget to Remember."
- 1.7 p.m.—STUDIO ORCHESTRA: "The Beauty Prize" (Kern).
- 1.15 p.m.—Meteorological information.
- 1.20 p.m.—THE PITT-RIVERS present their studio items: "THE LUNCHEON." The company join you at lunch.
- DISMAL DESMOND and CYRIL NORTH-COTE show the flag.
- IRA WANDA becomes a little waltz. A Tasty Morse—A skitette by Ira Wanda, Gus Dawson, and Cyril Northcote.
- DISMAL, DESMOND, the skeleton at the feast.
- The company finish their lunch.
- 1.56 p.m.—STUDIO ORCHESTRA: "Sympathie" (Aubrey).
- "Dance Oriental" (Lubomirski).
- 1.45 p.m.—CABARET CHASE: "Moony Musical Moments."
- 1.52 p.m.—STUDIO ORCHESTRA: "Martinique Intermezzo" (Lorraine).
- 2 p.m.—Close down.

AFTERNOON SESSION.

FASHION AND ART.

- 2 p.m.—STUDIO ORCHESTRA: "Callin' of Ragdad" (Boitelieu).
- 2.10 p.m.—"AU FAIT": "Fashion Talk."
- 2.25 p.m.—MADOLINE KNIGHT, contralto: "Mighty Like a Rose."
- 2.30 p.m.—DR FLOYD, organ recital. "There let the pealing organ blow, To the full voiced choir below" (Milton). "Largo" (repeated by request) (Dvorak). "Old English Melody" (A. Wesley). "Fugue in G" (Mendelssohn).
- 2.50 p.m.—GEMARA AND SHIRAZ: Anna Burke: "The Tender Apple Blossom." Recitation, "Talking Tea at Riley's."
- 3 p.m.—STUDIO ORCHESTRA: "Memento Californico" (Webster). Carl Von Weber was born at Fatin, near Lubeck, in 1786; he was 14 years of his second opera were produced at Friburg. Weber may well be called the father of German Opera, having shown the way for Wagner).
- 4.7 p.m.—HARRY NORTH concertina. Matches.
- 4.15 p.m.—MADOLINE KNIGHT, contralto: "When my ship come home" (Dover). "Keep on Hopin'" (Horton Maxwell).
- 4.22 p.m.—STUDIO ORCHESTRA: "Gypsy Rondo" (Haydn).
- 4.30 p.m.—MRS. MAHOOD: The Study and use of Color, Part II. Summary: "Color in light differs greatly from color in paint. This talk will explain how its elementary (paint) and spectrum (light) symptoms vary. By mixture of the elementary primary color, red, blue, yellow, the secondary, purple, green, orange are produced, but from the mistake of colored lights only different results are derived. A description of experiments in color mixing."
- 4.45 p.m.—News. "Herald" news service. Stock Exchange information.
- 5 p.m.—Close down.

EVENING SESSION.

THE CHILDREN'S HOUR.

"Not to enquire Carefulness,
And not to stir Nativeness,
But treaded stony of glory, do we come,
From God, who is our home." (Wordsworth.)

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

8.50 p.m.—"BILLY BUNNY" a story for the little ones.

9.10 p.m.—"PIARA AND HURRIE" will entertain the children with Irish songs and stories.

9.10 p.m.—"BILLY BUNNY."

9.30 p.m.—"Tanglewood Tales."

Official papers of Newsmax's stock sales. Number of tickets ordered for following week's sales.

9.45 p.m.—"Argus" and "Herald" news sections. Weather synopsis. Shipping movements.

10.17 p.m.—Stock Exchange information.

10.37 p.m.—Fitz market reports, by J. H. Borwick, M.D. Rabbit prices.

10.57 p.m.—River reports.

11.07 p.m.—Market reports of fruit by the Victorian Fruitgrowers' Association, compiled by "The Fruit World," edition 10 H.O.

NIGHT SESSION.

"The feast is God's plough, which He drives through every inch of ground in the world, covering each sod, and pulverising the whole." (Chapin.)

7.13 p.m.—Under the auspices of the AGRICULTURAL DEPARTMENT: Mr. P. de CASTELLA, viticulturist, will speak on "Wine Planting."

"THE BARBING GOSSIP OF THE A.D." (With epilogue in Shakespeare.)

7.30 p.m.—STUDIO ORCHESTRA.

"No, No, Nannie" (Youmans).

7.40 p.m.—"PIARA AND HURRIE";

"Oh Tiers Music Hall Bangs";

7.50 p.m.—"TARMA TEHMAN," cello;

"Nina Ferguson";

8 p.m.—"MADOLINE KNIGHT," contralto;

"Hill as the Field" (Dobos);

"My Treasure" (Trevolan);

8.10 p.m.—"COLLINGWOOD CITIZENS' BAND,"

"Amphion March";

"Andante in G" (Baldini);

8.27 p.m.—The Royal Automobile Club of Victoria's Safety Message for to-day is for Motorists.

"Always use for a outside place when you wish to overtake on a narrow road and sound the horn, before overtaking."

8.38 p.m.—"GARLTON CHASE";

"Merry Musical Moments";

8.50 p.m.—STUDIO ORCHESTRA;

"Chanson 1401";

8.45 p.m.—Mr. J. P. CASTLEY, who is making a tour of the world by motor cycle, will speak for a few minutes.

8.52 p.m.—"COLLINGWOOD CITIZENS' BAND

Intermarry, "Gypsyland Echo";

Bill obligato, Mr. G. Hallyday;

Fox and, "Go the Rivers";

8.57 p.m.—MR. H. K. LOVE;

"Fidelity";

8.57 p.m.—MR. HARRY NORTH, contralto;

"Whispering Waves";

8.54 p.m.—STUDIO ORCHESTRA;

"April Flow" (Mozart);

Wolfgang Mozart was born at Salzburg in 1756. He wrote "Eine Kleine" in spite of falling health, produced in 1791 and died some months later.

8.59 p.m.—MR. C. J. WILLIAMS;

"Tomorrow's Wedding";

8.48 p.m.—ELBO STRALLA AND MAXIM BRODI;

Maxim Brodi, "Quarta O'Quella" (Vesti);

"Lay by head beneath a Rose" (Falkenstein);

Elio Stralla, "A Night of Love" (Spir);

Quet, "Love the Moon";

Elio Stralla, "Mooding" (Rosenke);

8.53 p.m.—STUDIO ORCHESTRA;

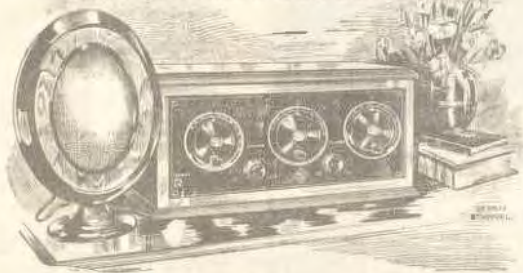
"Marie Serenade" (Drigo);

10 p.m.—Meteorological information. Read notes supplied by the Royal Victorian Automobile Club of Victoria.

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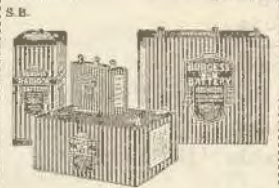
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10.5 p.m.—"THE FUTURISTS" answer their Radio Revue. "BY REQUEST."

In the programme, THE FUTURISTS will be pleased to repeat any item from any of the Revuelets presented by them during their season with 2FO.

10.55 a.m.—"Aerial" news service. British official wireless news from Bagby.

10.55 p.m.—COLLINGWOOD CITIZENS' BAND:

Selection, "Caravan."

10.45 a.m.—JOE BRENNAN AND IRA NEWTON:

Ira Newton, "Shine Mother Biddid Her Hair."

Joe Brennan, "I'm very fond of my dear wife."

10.25 p.m.—"Cardinal," Mr. H. Wolfe, sporting editor of "Argus," Sydney's news.

11 p.m.—OUR GREAT THOUGHT:

"Character is the product of daily, hourly actions, and words and thoughts; daily fortitudes, insufficiencies, kindnesses, sympathies, charitable sacrifices for the good of others, struggles against temptation, submissiveness under trial. Oh, it is better, in the blending tape of life which constitute the man." (J. Macdonald).

11.1 p.m.—JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS:

"Moonlight on the Grasses" (Wallace).

"Some other bird whistled a tune" (Bryan).

"While the Years Go Driftin' By" (Meyer).

"Play, Hambo, Here Comes Charlie" (Meyer).

"Milkcowie" (Nichols).

"It Made You Happy" (Donaldson).

"Coozin' the Piano" (Blaine solo) (Cunzey).

"Speech" (Pieland).

"Meadow Lark" (Fiardo).

"Stepping in Society" (Alton).

"Where Do You Work's Job?" (Marsh).

"Monoddy Moon" (Lawrence).

"You Need Someone to Love" (Olson).

"Hi, Ma, the Marbles" (Brown).

"St. Louis Blues" (Harris).

"I Want a Pardon for Daddy" (Roat).

"That's My Girl" (Davis).

"By the Waters of Minnedouka" (Lawrence).

11.40 p.m.—GOD SAVE THE KING.

Saturday, June 18 2FC, SYDNEY

EARLY MORNING SERVICE.

7 a.m.—"Big Ben" and announcements.

7.15 a.m.—Music from the Studio.

7.35 a.m.—Country Season: Official weather forecast, rainfall, temperatures, astronomical phenomena, shipping intelligence, mail services.

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

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

Inter-State markets, telegrams, cables.

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

8 a.m.—"Big Ben." Close down.

MORNING SERVICE.

10 a.m.—"Big Ben" and announcements.

10.5 a.m.—Sydney music.

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

10.40 a.m.—Studio music.

11 a.m.—A.P.A. and Reuters' Cables.

11.30 a.m.—A talk on Gardening by Mr. G. F. Lockley (Rodgum).

11.50 a.m.—Studio music.

11.55 a.m.—Close down.

MIDDAY SERVICE AND AFTERNOON SERVICE.

12 noon—"Big Ben."

Stock Exchange, first call.

12.15 p.m.—Studio music.

12.25 p.m.—Regby wireless news.

NOTE: The whole of the events of the Canterbury Park Race Meeting will be described in detail by the 2FC Racing Commentator.

1 p.m.—"Big Ben."

Weather intelligence.

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

1.20 p.m.—Studio music.

(NOTE: FROM THE SYDNEY CRICKET CLUB.) A description of the League Football Match between the Sydney team, ST. GEORGE and SOUTH SYDNEY. During the intervals of sporting events, musical items will be given from the Studio, including Mr. Branton's novelty music. The New Westwark Symphonic Dance Orchestra will also be heard in popular numbers. Conductor, Mr. Frederick Leighton.

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

5 p.m.—"Big Ben." Close down.

EARLY EVENING SERVICE.

6.40 p.m.—The "Hello Man" talks to the children.

6.50 a.m.—A Serial Story.

6.40 p.m.—Lullaby music.

7 p.m.—Late morning news.

7.15 p.m.—Weather intelligence.

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

7.35 p.m.—Studio music.

NIGHT SERVICE.

7.40 p.m.—Programme announcements.

7.42 p.m.—A relay of portion of the programme from Christchurch, New Zealand.

(Call Sign, 2YA; wavelength, 400 metres).

7.55 p.m.—Announcing a State-Wide Radio Dance: a whole evening of jazz music. This dance night has been arranged so that owing to radio music being held in assist in equipping hospitals with radio sets. The regular dance night held last month was so successful that listeners are invited to telephone the Studio and submit their request number (GUY 1949 and M.A. 414).

8 p.m.—"Big Ben."

The 2FC Dance Band of 10 members, conducted by Mr. Eric Parker:

"Fox Trot, 'Hello Aloha' (Bier).

8.6 p.m.—Mr. R. A. Bartleman, baritone:

"The Red Star of the Rummy" (Sanderson).

8.10 p.m.—The 2FC Dance Band in a popular number:

Waltz, "So Blue" (Brown).

8.10 p.m.—Miss Elsie Peckless, soprano.

8.20 p.m.—The 2FC Dance Band:

"Fox Trot, 'Hello Aloha' and Miss Ethel Lang in Musical Sketches:

(a) "Baby No. 1" (Hastings).

(b) "Thinking of You" (Western).

8.20 p.m.—The 2FC Dance Band:

"Fox Trot, 'Sweet Hawaiian Sand'" (O'Hague).

8.55 p.m.—Mr. R. A. Bartleman, baritone:

"The Sea Glass" (Head).

8.42 p.m.—The 2FC Dance Band:

Waltz, "Somebody" (David).

8.48 p.m.—Miss Elsie Peckless, soprano.

8.52 p.m.—The 2FC Dance Band:

"Fox Trot, 'Hello Aloha' (Bier).

9 p.m.—"Big Ben."

Mr. Branton Gibb, entertainer:

"Some Proposals" (Alwyn Williams).

9.5 p.m.—The 2FC Dance Band:

Waltz, "You Want to Be This" (Lawrence).

9.12 p.m.—Mr. R. A. Bartleman, baritone:

"The Love" (Martin).

9.16 p.m.—The 2FC Dance Band:

"Fox Trot, 'Fair as a Bell'" (Papau).

9.24 p.m.—Miss Elsie Peckless, soprano.

9.28 p.m.—The 2FC Dance Band:

Waltz, "Oh Marie" (Papau).

9.34 p.m.—Mr. Branton Gibb and Miss Ethel Lang in Musical Sketches:

(a) "And Besides" (Nickson).

(b) "Times have Changed" (Kennett).

9.40 p.m.—The 2FC Dance Band:

"Fox Trot, 'Go Low on Land'" (Dubin).

9.46 p.m.—Mr. Charles Lawrence, entertainer:

"The Midnight Murder" (Lawrence).

9.56 p.m.—The 2FC Dance Band:

Waltz, "How Can I Dream Girl" (Brown).

10.4 p.m.—Mr. R. A. Bartleman, baritone:

"The Maid for Me" (Nickson).

10.6 p.m.—The 2FC Dance Band:

"Fox Trot, 'A Little Change of Atmosphere'" (Brown).

10.11 p.m.—Miss Elsie Peckless, soprano.

10.14 p.m.—The 2FC Dance Band:

Waltz, "Moddy Water" (de Baze).

10.24 p.m.—Mr. Branton Gibb, entertainer:

"Mr. 'Hoping on History'" (Gibb).

10.28 p.m.—The 2FC Dance Band:

Waltz, "Milkcowie"

10.54 p.m.—Comedy Sketch, "Off the Line" (Harold Jones).
 Mr. Brennan (Solo).
 10.46 p.m.—The EFC Dance Band:
 Fox Trot, "What's the Use of Crying" (Furberstein).
 10.40 p.m.—Mr. Charles Lawrence entertainer:
 "The Art of Song-writing" (Solo).
 10.56 p.m.—Late news and announcements.
 11 p.m.—"Big Ben."
 The EFC Studio Dance Band, in popular numbers, including:
 Fox Trot, "I wish I get myself Somebody to Love" (Lewis).
 Fox Trot, "Ya Gonna be Home Tonight" (Dillon).
 Waltz, "The Music of a Mountain Stream" (Hollins).
 11.59 p.m.—National Anthem.
 Close down.

3LO, MELBOURNE.

Saturday.

EVENING SESSION.

8.55 p.m.—Sporting Results.
 9.40 p.m.—Answers to Letters and Birthday Greetings.
 9.55 p.m.—ARTHUR DOUGLAS, Comedian, will entertain the children with a funny Song.
 9.1 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE, for today is—
 "CHILDREN.—Never chase your ball nor play playmate out to the roadway. Never steal rides on vehicles, nor throw things at drivers or passengers."
 9.2 p.m.—"LITTLE MISS KOOKABURRA" is going to tell the story of, "Tony's Hedgehog."
 9.15 p.m.—JOE BRENNAN AND IDA NEWTON.
 Joe Brennan, "Old Frank and His Dog," His Newcomer, "A Story for the Children."
 9.30 p.m.—"LITTLE MISS KOOKABURRA" will tell her biggest "Kookaburraesque" more about, "The Cruise of the Reary Jane."
 9.35 p.m.—"Argus" and "Herald" News Review; Weather Scoopole; Shipping Movements.
 9.47 p.m.—Stock Exchange Information.
 9.52 p.m.—Fish Market Reports, by J. H. Barrett, Ltd.; Rabbit Prices.
 9.55 p.m.—Newspaper Reports.
 9.58 p.m.—Market Reports by the Victorian Producers Co-operative Company, Ltd.; Hensmarket (Sheep Sales); Poultry; Grain; Best Bazaar; Jute; Dairy Produce; Potatoes and Onions.
 10 p.m.—Market Reports of Fruit, by the Victorian Fruitgrowers' Association, compiled by "The Fruit World," exclusive to 3LO.

NIGHT SESSION.

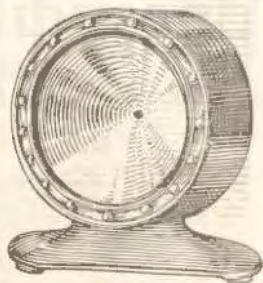
Announcement AGNES FORTUNE.
 Announcement ALFRED ANDREW.
 10.15 p.m.—MR. R. HOLBROOK, President of the Brunswick Football Club, will speak on: "Hopes in the Building of an Association Football Club."
 10.50 p.m.—MR. E. E. PEKCOFF, will speak on—
 "Austrian Berlin and Waxflowers."
 10.45 p.m.—DR. LEACH, will speak on—
 "Orphans and Stone-Children."
 "Hobos that roll from soul to soul,
 And grow fatter and greedier."
 (With Apologies to Tompkins).
 10.6 p.m.—MALVERN TRAMWAYS BAND.
 March, "The Lost Stars" (Myddleton),
 "Marsden" (Dowling).
 10.10 p.m.—ELSA STRALIA AND MAXIM BRODI.
 Maxim Brodi:
 "The Galda Mascha" (Puccini).
 "Forgotten" (G'Hagen).
 Elsa Stralia:
 "Aria Cavalleria."
 "Life" (Gurren).
 Duet, "Rotten" (Puccini).
 ANNIVERSARY OF THE BATTLE OF WATERLOO.
 10.55 p.m.—MR. J. HOWLETT ROSS, will speak on—
 "Waterloo."
 10.49 p.m.—MALVERN TRAMWAYS BAND,
 "Tone of Harmony" (Thomson).
 10.41 p.m.—MR. MURHAN McCANER, will describe to-night's STADIUM event.

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Artistic, non-resonant metal finish. Standard cord and plug.

David Jones' Price:

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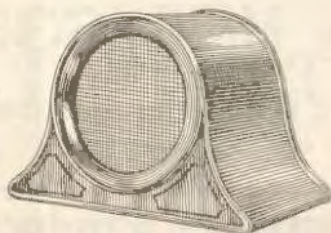


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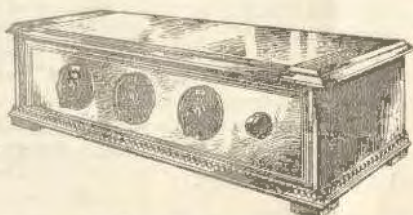
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- 10.15 p.m.—"THE FUTURISTS."
"Some Careless Songs and a Little Non-sense."
- 10.30 p.m.—Announcement and Late Sporting Results
- 10.35 p.m.—The Royal Automobile Club of Victoria Safety Message for to-day is for CHILDREN.
"Never chase your ball nor your playmate on to the roadway. Never steal rides on vehicles nor throw things at drivers or passengers."
- 10.40 p.m.—MALVERN TRAMWAYS BAND, (Alford). "The Lightning Switch"
- 10.50 p.m.—CARLTON CHASE, Monologue, "The Shooting of Dan MacGregor."
- 10.55 a.m.—MALVERN TRAMWAYS BAND, Humorous Fantasia, "Pop Goes the Weasel" (Hawkins).
- 11.2 p.m.—OUR GREAT THOUGHT.
"Great men need to be lifted upon the shoulders of the whole world, in order to conceive their great deeds: that is, there must be an atmosphere of greatness round about them. A hero cannot be a hero unless in an heroic world."
—BARTHOLOMEW
- 11.3 p.m.—JOE ARONSON AND HIS SYMPHONISTS, SYMPHONISTS,
"Ragtime" (Mullis).
"To Night's My Night With Baby" (Meyer).
"Half a Moon is Better Than No Moon" (Brendley).
"Lullaby" (West).
"In a Little Spanish Town" (Wayne).
"Me Too, Ha, Ha, Ho, Ho!" (Brown).
"I've Been Waiting My Dreams Over You" (O'Hagan).
"Take to The Sun, Hang Out The Moon" (Woods).
"Piano Solo" (Bergy).
"The Village Blacksmith Ouds The Village Now" (Moore).
"The Lullaby For You" (Hathaway).
"Rocky Lullaby" (Meyer).
"I've Got The Girl" (Donaldson).
"There Ain't No Maybe in My Baby's Eyes" (Kahla).
"You've Got to Bluck Shuffie" (Sparks).
"Every Little Thing" (Spencer).
- 11.40 a.m.—GOD SAVE THE KING

WIRELESS WEEKLY

Registered Trade Mark.

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All Readers' Queries Answered Here

QUERIES

Will readers kindly note that all technical queries are answered through the columns of Wireless Weekly. There is no occasion to send either stamps or addressed envelopes. The only condition is that the number of questions be limited to four. We unfortunately cannot deal with technical queries by telephone or by personal callers.

N.P. (DULWICH HILL).—Place a 661 fixed condenser across the primary of the first A.E. transformer. When a long speaker lead is desired don't use twin flex, use separate leads and keep them apart. This will overcome the whine. Try reversing the primary connections of the first transformer.

S.S. (LITGOW).—See "Radio" for June. L.R. (ALEXANDRIA).—Would suggest you build a neodymium in preference to your present scheme. It is better.

K.D. (PIVE DOCK).—See next week's "W.W." for the Browning Drake.

C.H.P. (CAMPERDOWN).—Reverse primary leads of the two transformers. See that they are at least five inches apart and on the correct angle.

G.F. (NEWPORT, MELBOURNE).—Solve-dyne in "W.W." 19/1/27.
W.W. (WILLOUGHRY).—See "W.W." 27/6/27.

G.R. (HURSTVILLE).—Install a Harlie Detector and insert a 9081 fixed condenser in the series lead.

F.S. (NORTH STRATHFIELD).—You are asking too much from a one valve. Add audio. See "W.W." 7/1/27.

MUG. (BALMAIN).—See "W.W." 23/10/26. A.H.C. (LANSHAFTE).—I don't discuss the merits of different traders' receivers.

F.M. (BELMORE).—Sorry, Tantalum is not available in Sydney.

A.P.F. (RICARSON, N.Z.).—The Solodyne in "W.W." 29/5/27.

R.C. (ARMIDALE).—Better build the Solodyne. Regards.

A.E. (MOREE).—A super heterodyne is usually between 7 and 10 valves and costs approximately £70. The Amalgamated Wireless have models ranging from £40 upwards.

H.R.F. (MANLY).—See reply to G.R. (Hurstville).

THE HEAD (NEUTRAL BAY).—Approximately the same number of turns on a spider web equals a honeycomb coil. Use 90 volts B battery.

M.L. (HABERFIELD).—Send full name and address.

E.S.N. (CROOKWELL).—Write New Systems Telephone Co., 236 Castlereagh Street, Sydney. The other matter is too difficult for an amateur.

R.W. (HUNTBANON).—May be several things. Perhaps a transformer may have broken down, or a valve gone wrong, or a loose connection somewhere. See "W.W." of 4/2/27 and of 11/2/27 for instructions in locating faults.

F.W.S. (LEABVILLE) and BUNGO (ASHFORD) and many other readers would like to learn the identity of a station heard about 12.30 a.m. on 400 metres broadcasting a boxing match. One boxer's name seemed to be Kilgore. Can any readers assist. I was round asleep, so didn't hear if Kilgore was killed. C.D. (Miranda) heard the same station earlier in the day.

D.R. (CROYDON).—Sold out.
F.C.J. (TIGHES HILL).—Beyond me. See next agent.

A.H.W. (BROKEN HILL).—Glad to hear of your good results.

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Model A.R. 88.0 with
oak trumpet. £26/19/-.