

WIRELESS WEEKLY

Broadcast Programmes a Week in advance

VOLUME 10

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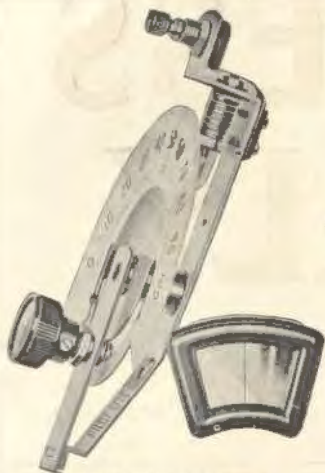
NUMBER 16

MARCUS BURKITT
Blind Musician
at 2FC.



Friday, August 12, 1927.

Price Threepence



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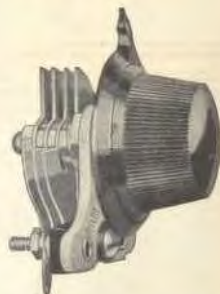


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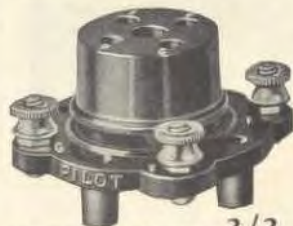


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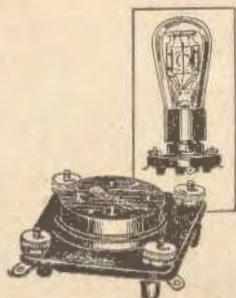
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WIRELESS WEEKLY

VOL. 15, No. 16.

FRIDAY, 12th AUGUST, 1927.

What is the Power of a Broadcasting Station ?

DURING public hearings before Royal Commissions in various States much evidence was given on the question of the power of the stations. Various statements were made as to the method of determining the power, and opinions frequently became mixed up with authoritative statements of technical fact. Opinions also were offered on new methods of settling the matter. Some were technically sound, but others, unfortunately, were not as practicable as their proponents were sincere.

Apparently it was agreed that the method now adopted by the Australian authorities was not the best. While it was not the best, it was admitted that it was on the lines adopted in most other countries. The method consists in determining the power in watts in what is called the high frequency generator circuit the input of power is measured. The current on the plates of the drain oscillator or main amplifier is read, and likewise the volts in the plate arc noted. The product of the plate (anode) current and volts gives the watts. That figure is noted as the power of the station in accordance with the Government regulations.

The difficulty most complained of is where to take those readings. In a station like 3LO or ZFC high frequency energy of considerable value is found in those circuits—the main oscillator circuit, The modulator circuit, and the master oscillator circuit. High frequency energy exists in other circuits as well, but it is in those circuits that it can be measured conveniently. There may be as much as 5,000 watts in the modulator and 2,000 watts in the modulator in a broadcasting transmitter, but no note is taken of that power in reckoning the licensed power of the station. And a really efficient station must normally have a master oscillator. It can be eliminated with some prob-

able reduction in efficiency, and also with subsequent savings in the cost of power obtained from the electric power supply company. There is thus an opportunity to save money by adopting a less efficient transmitter and yet comply with the Government regulations.

In America the method is somewhat similar to that adopted in Australia. The Australian method is the same as that adopted in England and most of the European countries. The Americans measure the power in the main oscillator and then reckon that half of that power is transferred to the aerial circuit, that is fifty per cent. is lost in the aerial circuit. The power input to the aerial circuit is then taken as the rated power of the station.

Thus we see that when we read of a 5,000 watt station—like WEAF, New York, or KGO, Oakland—the actual effective usefulness of power is about half that of 3LO.

These methods are scarcely satisfactory. They are the best commercial methods that can be used to-day, however. A fairer method would be to measure the energy available to the listeners. A consideration of that will show that the type and quality of the receiving aerial—receiver—earth system, will have a large influence on the extent of power received in the set. It is practicable, however, to determine the energy available at a given locality for listeners—that is the field strength or electric field intensity—which is the true measure of the efficiency of the transmitter. That field strength varies with the locality, of course, but an optimum locality in relation to the transmitter could be selected and the field strength in milli-volts per metre, measured. That would be a favorable indication of the efficiency of the transmitter.

Catching Up with the Wireless World.

By R. E. CORDER.



THERE ARE MORE THINGS IN HEAVEN AND EARTH than are dreamed of in man's philosophy. The truth of this has been proved in a really remarkable way. When Mr. Win arranged "The Thrill of Thrills" at 2FC Studio on Friday, July 22, listeners were warned not to take all that he said and did seriously—that there was nothing supernatural about the experiment he was about to conduct. It will be remembered that Mr. Win undertook, by means of ether waves through his medium, to break a wine glass, and to direct the light, in the various rooms of his many listeners.

AFTER THE EXPERIMENT 'phone rings were received saying that the result of his experiment had been successful. But, perhaps, the most remarkable of all was a letter received from a listener "Off the Air—somewhere," advising that even as Mr. Win predicted, at the fateful hour of 9 o'clock, a wine glass on the table in close proximity to the loud speaker (but no one else) trembled and fell shattered into a thousand pieces.

A LISTENER IN LIVERPOOL 'phoned the Studio, excitedly, enquiring who was going to pay for the damage; the electric light in his room not only dimmed—the lamp broke, leaving them in total darkness. Not believing in the supernatural, all that troubled him was: could Mr. Win be held responsible for the globe!

THEN THE MEDIUM mentioned three names—(two of the listeners she addressed personally, but the third she complained she could not see. And was it mere coincidence that just a moment before she spoke, that identical listener had got up and left the room? And that particular room was a good many miles away from the studio. Now, then, sceptics, explain that if you can.

THAT AT SOME TIME IN THE NOT Distant FUTURE "news-papers" would be printed at home, each family having their own photo. radiophone, was the views of Mr. David Sarnoff, commenting on the progress likely to be made in wireless picture transmission in America recently.

RADIO, they say, is still in its infancy. This no doubt accounts for its bold behaviour when you have company.

THE CHIEF CLERK CAME in late. Second time in a week. The boss growled:

"Don't you ever do anything on time?"

"Y-yes, sir," stammered the chief clerk. "I bought my radio set that way."

JUDGE (TO PRISONER): "I seem to remember seeing you before."

Prisoner: "Yes, sir; I taught your son how to make a wireless set."

Judge: "Twenty years."

W. L. JEPSON, of Beverly Hills, Calif., says it would take a tuner capable of performing like one of these sliding ladders in a shoe store to copy some of the short wave artists who swing in and out like the moon in a cloudy sky.—Q.S.T.

James: "MAY I-ER, sir, ask you to allow me the afternoon off? My-or, grandmother has died, and I—"

The Boss: "That's all right, James. Stay in the office and hear the results on my portable set."

IN CONNECTION with the relaying of British and Continental broadcast programmes, an operator from 4QG was stationed in the Exhibition Hall with part of the apparatus used for the purpose. About midnight the director of 4QG communicated with the operator by telephone, when, after a serious business discussion, the following dialogue took place—

Director: "How do you feel out there?"

Operator: "It's as quiet as a morgue."

Director: "Are the doors locked?"

Operator: "No."

Director: "Well, you had better lock them and keep your eyes open, because about 1 a.m. the animals in the Museum usually go nosing around and I don't want anything to happen to you."

Operator: "Oh! I have my brother here now. I feel quite safe."

THE MEXICAN GOVERNMENT spent 8,000,000 dollars on the improvement of its telegraph and wireless systems.

SCHOOL WIRELESS: Over 3,000 schools now receive the B.B.C. lectures from London and Daventry. Of these schools 372 came on the register during the last term.

IN SOUTH AFRICA, which recently appeared to hold the world's record in the matter of wireless "pirates," the number of licenses is increasing. According to the latest census, licenses are held by 13,000 people.

DURING THE recent Canadian Jubilee Celebrations, which were carried out on a gigantic scale, wireless played an important part. A special jubilee programme, which included a message from His Majesty the King, was broadcast from Ottawa. Broadcasting stations in 15 large cities were linked up by land line with Ottawa, 128 amplifiers being used for the purpose.

JASCHA BEHPRTZ, the eminent violinist, was offered £750 by S.I.O., Melbourne, for a broadcasting performance of 20 minutes—£37/10 a minute. His contracts compelled him to refuse.

HE WROTE TO THE COMPANY AS FOLLOWS:—"I wish to acknowledge your offer for broadcasting, but I must reply, as I have in the case of other companies, by advising you that by the terms of my contracts, my playing is not to be broadcast. Thanking you for your substantial proposal, which, I regret, I am not in a position to entertain."

A NATIONAL broadcasting company, State-owned to the extent of 60 per cent. of its capital, is the latest proposal in connection with Belgian broadcasting. The scheme provides for a board consisting of eleven members, the chairman and five other members to be appointed by the Minister of Posts and Telegraphs, and the remainder to be appointed by general meeting. The company would be granted authority to continue for ten years with the right of extension for another five years.

Burgess Went with U.S. Mail Flyers.

Blind—But Broadcasts from 2FC

HUNDREDS of times have we seen them groping their way in a globe of darkness, smiling happily and knowing not what goes on beside them—the blind.

Marcus Burkitt, talented pianist, who entertains listeners at 2FC, is one of this legion that smiles cheerfully beneath a burden of suffering.

Though he is shut off from the world by eternal darkness, the beautiful things of life do not fail to make an irresistible call to him. Just contrast the physical world of darkness with the great light of music that is in him.

For twenty-three years his delightful music has held spellbound music lovers. To-day he has an uncanny knowledge of knowing right down to the merest detail exactly what and how things are moving in the music world.

There is not the slightest shadow of doubt that blind musicians are realising that radio offers absolutely the best of opportunities. Knowing exactly how music appeals when the player is unseen, they have a tremendous advantage over those who have all their faculties.

Born in 1903 Marcus Burkitt's musical talent began to show at the age of ten months. It was then he groped his way to the piano and strummed away, learning thus early an ear for music.

Then his father, seeing possibilities in his son for the making of a great pianist, gave him every avenue of assistance in allowing him to go near the piano when and wherever possible.

At two years of age Marcus was playing his first tunes and by the time he was 3½ he was playing hymns for a Sunday school at Newcastle. It must be understood that Marcus had learnt whatever tunes his repertoire consisted of by ear. A wonderful achievement for a boy of his years.

By the time he had reached his ninth birthday he was playing for concerts and charities all over Newcastle. It was then that Mr. Burkitt decided that Marcus was capable enough to start and study in earnest. Accordingly he was sent to the Deaf, Dumb and Blind Institute, at Newtown, Sydney, where he went under the instruction of Mr. Arthur at that institution.

After a few years he showed that much improvement that he was sent to the Sydney Conservatorium of Music, where Mr. Frank Hutchins undertook to be his teacher. Later he was passed on to Mr. Henry Penn,

Have you heard Marcus Burkitt, the talented blind musician who is delighting 2FC audiences? If you enjoy better class music, choose a number from his extensive repertoire and drop a line to 2FC asking that it will be played.

also at the Conservatorium. Both Mr. Hutchins and Mr. Penn speak volumes for the ability of Marcus. Marcus was only 13 years old when he commenced at the Conservatorium.

A remarkable feat that Marcus has accomplished is that he learns all accompaniments from the gramophone.

While Marcus's studies have been mostly confined to the classical side, dance music is not at all unfamiliar to him. As a matter of fact, a dance piece could be whistled over to him once only and immediately after he could play it off without one error.

Marcus had always been at a disadvantage regarding a lecture, a play or an address of any kind, for in most cases the speaker invariably illustrates his points which he wishes you to follow with gestures or even pictures, leaving Marcus to follow as best he can.

Now, however, Marcus says times have changed, for a radio at his home at Mosman, has all these things within reach in the form most easily understood by him.

Now he has his news called over the wire to him. Beside a cosy fire he hears all the news about the country's leading men and women, and he hears the best and latest in music.

Not alone does he hear about music and politics, for 2FC cater in the world of sport also. Marcus takes the keenest interest in all branches of sport and he can follow a horse race, a boxing tournament, a tennis match, or an adventure talk without asking someone to act as a describer. Marcus has an extraordinary memory besides being note perfect. One could play over a piece to him that he had not heard before, and twelve months later he could play over the same piece.

After a short time entertaining 2FC listeners Marcus will probably play to packed audiences at the Tivoli. Already arrangements are being made to put him on as soon as it could be arranged.

Listeners should not miss the opportunity of hearing Marcus Burkitt when station 2FC puts him on.

MARCUS BURKITT'S REPERTOIRE.

CHOPIN—Nocturne, E Major, G Major, B Major, F Minor, C Minor.

Values: D Flat, G Flat, C Sharp Minor. Etudes: "Butterfly" Black Key, A Flat, E Major, F Minor.

Preludes: "Raindrop," C Minor. Polonaises: A Major, B Flat Minor, C Minor.

Impromptus: A Flat, E Sharp.

Balades: A Flat.

Variations: B Flat.

BEETHOVEN—

Sonatas: "Pastorale" "Moonlight," A Flat, F Major, "Waldstein" (1st movt.), F Minor (1st movt.), "Appassionata" (1st movt.), F Minor (2nd movt.).

RACHMANINOFF—Prelude, G Sharp Minor, G Minor, "Funeral." G Sharp Minor, G Minor, "Funeral."

MENDELSSOHN—"Spring Song," "Bees' Wedding," Andante and Rondo, Capriccioso, Scherzo, E Minor.

SCHUMANN—

Nocturne: F Major, E Major.

"Night Song," "Fischingschwank"

"Romance," F Sharp.

"The Prophet Bird," "Evening Song."

SCHUBERT—

Impromptus, B Flat, A Flat, A Flat.

"Musical Moments."

BRAMMES—

Values: B, A Flat.

Intermezzo, A Major.

Romance, F.

Rhapsodie, G Minor.

LISZT—

"Liebestraum," 5th Rhapsodie.

RUBINSTEIN—

Romance E Flat, "Berceuse," G.

MOZART—

Sonatas: C Minor, G Major (1st movt.).

MACDOWELL—

"To a Water-Lily," "To a Wild Rose," "Shadow Dance," "From a Wandering Yeoman."

PALMGREN—

"Rococo," "The Sea," "The Bird's Song," "A Night in May."

DE BUSSY—

Arabesques, E and G, "Clere of Inne."

SIBELIUS—

"Valse Triste," Romance, D Flat, Baroque, G Minor, "Idyll."

CYRIL SCOTT—

"Nigger Dance."

CHAMINADE—

"Les Sylphides," "Autumn," "Expansion."

ALFRED HILL—

"Valse Triste," "Retrospect."

BURGMULLER—

Etude E Flat.

SALON—

"Cradle Song."

RINDING—

"Rocade of Spring."

DYORAK—

"Humoresque."

GREGG—

"Norwegian Wedding March," "Wedding Day."

DE BEAUFORT—

"Valse Triste."

RAFF—

"La Fibuse."

ERIC COATES—

"Idyll."

JOHN IRELAND—

"The Island Spell."

POLINI—

"Marche Mignon."

RAYNTON POWER—

"Laughing Water."

TSCHAIKOWSKI—

March and Dance (Nut-cracker Suite).

HELLER—

"Sleepless Nights."

THOMAS—

"Under the Bower."

STANFORD—

Tecate, C Minor.

Philco Batteries Save Pounds in a Year.

The Safety Valve

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



TOO MEAN TO GO TO CHURCH.

Dear Sir,—Just here I wish to give three long and hearty cheers for Mr. Blair for (as he so aptly terms it) breaking the ice. Like him, I venture to think many, many others, too, have suffered in silence. If the broadcasters would only step and look at the thing in a logical manner they would know that people who want religion are not so mean as to begrudge the sixpence it costs to go to church, and if one would rather stay home or go for a picnic, taking his portable set, if he has one. Surely it shows he would rather be amused than saved by force. It might be a good business for the parsons, for it no doubt enlarges the congregation and permits the parson to hawk his wares through a much larger area than otherwise, but it's certainly not good for the Broadcasting companies when one invites his friend to listen and they say, "No thanks, it's only church, isn't it?" (having been bitten before). If they must have something away from jazz, let them give in old time songs and music on Sunday, with perhaps a short religious talk for the children's hour.

Yours, etc.,
Newtown. W. B. HUGHES.

MORE RELIGION.

Dear Sir,—Let me ask where Mr. Blair has travelled and with how many listeners he has come in contact with to make such sweeping statements. Personally, I would probably never have owned a set only for hearing a complete service. I was so pleased that I immediately purchased one. I would refer Mr. Blair to thousands of sick, disabled, and suffering people to whom these services are more than meat and drink, and which they look forward to. Would Mr. Blair deny them this comfort? I venture to say that thousands of receivers would be silent on Sundays if they were only able to listen to every-day programmes. It is hard to take seriously the references made to church music, as it contains some of the most beautiful ever written. I would ask that we have more religion, not less.

Yours, etc.,
YOUNG. CLAUDE J. SYMONS.

SWEEPING ASSERTIONS.

Dear Sir,—Jack Blair in a diatribe against religion forming the basis of Sunday's programme, utters an expression of opinion which is, no doubt, one shared by his particular "cronies," but he cannot pose as being conversant with the opinion of the majority of listeners-in.

Regarding the preferences of city folk for out-of-door Sundays, he is making a sweeping assertion in regard to over a million people, and if he is correct, I take it that these people want to hear their "cheerful, joyous music" on portable sets, otherwise, to my humble mind, out-of-door amusement and radio programmes cannot be coincident.

However, as I am a country dweller, being near the Queensland border, and further, as I am some distance from a town, I cannot admit his right to speak for me. My tastes in radio items are fairly catholic. My isolation makes most items pleasurable entertainment for me. I may admit that I do not like the over-supply of jazz music, but as some evidently regard it with different emotions, I have no growl coming. When jazz is on, I shut it off. Regarding the "broad-cast church services," I speak for myself, when I say that I listen-in with delight to morning, evening and afternoon services, and folks, situated as I am, having no access to any convenient church, I feel sure, share that delight.

As a matter of fact, radio plays an important part in country life, and after being regaled on lighter fare for six nights, some, at least, of us, are pleased to get a day-off that on something in more serious vein. I fear Mr. Blair is selfish in his demands and makes the mistake of considering his opinion to be a reflex of general opinion, and therein he neglects the warning he himself sounded, in his opening paragraph.

I must state, in concluding, that I also enjoy the supporting items in the Sunday programmes.

Yours, etc.,
W. LANG.

Whian Whian, North Coast.

THE PARABLE OF THE FLOWER.

Dear Sir,—I have read with interest Mr. Jack Blair's letter on the subject of "too much religion on the air," and I am sorry to hear that he does not enjoy the Sunday programme. His pen has most ably described his thoughts and position on this subject.

He has been thinking this question over for two years, and yet in the whole of that time he has not discovered, that the fault is really in himself. A gentleman was once asked by an assistant in a florist's shop, "Are you fond of flowers?" His reply was, "I should think so! If I were not fond of flowers, there would be something wrong and unusual with me."

Has Mr. Blair ever stopped to think that He, who made the flowers, created us also, and the Hand that scented the rose and perfected the lily, supplied the deep, rich, beautiful thoughts that are expressed in sacred music. I consider with many thousands of others, that the Sunday programmes over the air are easily the best of the week. If your correspondent would tune his heart and life to things that are sacred, he would then be one of the big, happy family of listeners, who enjoy the music and helpful message placed upon the air on the sabbath.

Yours, etc.,
A. E. R. COOKE.

Hurstville.

BRIGHTEN UP SUNDAY.

Dear Sir,—Jack Blair condemns the system of all the A. Grade stations broadcasting two church services. I myself always attend one service, without fail, and I agree with the correspondent, against all the stations broadcasting two services. It is quite unnecessary, and makes one quite sick of listening in on Sunday, which day, with women folk, is the only day we have a little leisure time to listen in, and we generally get nothing but church services, organ recitals, and Bible classes. What is wanted in the Services is a little good class music, and vocal items. They want to brighten up a bit.

Yours, etc.,
MRS. J. HARPER.

Leura.

Interstate Stations should Exchange Programmes

TALKING the other day with a wireless enthusiast, we fell to discussing programmes. I was defending the monotony occasioned by the inclusion of artists several times a week, singing the same repertoire of songs on the grounds I have advanced before in these random notes; namely, the impossibility of getting new numbers in sufficient variety to spice the programme with novelty.

Agreeing, my friend thought that while that was an explanation, it was not necessarily a defence, and made a suggestion which I hasten to pass on, for what it is worth.

On Monday, August 8, 3LO relayed to Melbourne listeners the 2FC which broadcast "Madame Pompadour," the beautiful light opera now playing in Sydney. There is not the slightest doubt that this item was eagerly heard by thousands who are naturally tired of the ordinary concert programme.

Why should not this be made a usual, instead of an isolated, occurrence? 3LO has nearly always something in its programme of very special interest. It always strives after one "star" item at least each day. Why should not 2FC pick up this item by arrangement and relay it to those whose sets are too small to pick up the big Melbourne station for themselves? Conversely, why should not items of particular merit from Queensland, South Australia and elsewhere be relayed and broadcast by 3LO every now and again?

The result would be valuable in two ways. The number selected for broadcasting, if not of the first importance, would be a change, and it would serve to remind listeners to one particular station of the fact that grass is not always green in the next paddock, whatever grumblers at home may think. We need a salutary reminder at times that our licence to growl at our own family's shortcomings is founded on an erroneous belief that other people are better off. It is simply that we are human and tire of even the best things, unless we get a change.

THE CHILDREN'S HOUR at 3LO has lately acquired an additional interest which appeals to adults equally with children themselves, for Miss Shepherd, an English lady who not so very long ago was speaking to the listeners of England from the B.B.C. at Birmingham on "Myths of the Commonwealth," has been repeating in a modified form, the same talks from the Melbourne broadcasting studio.

GOLF BY RADIO.

Victoria will soon be in the throes of her big golf week, when the championships will be played. Golf is no longer a game for the classes. Municipal links have initiated many a man who could never have got in through the "cheveau de frise" around the fashionable clubs. He knows the finer points of the game as well as a Royal Melbourne merchant prince.

It is for the benefit of such as these, as well as for the big clubman, that 3LO has engaged the professional Mr. A. W. Jackson to comment each day on the matches that have been played. He will give a resume of the day's play, so that the golf maniac from Mt. Gambler to Croajalalong may follow the course of play and replay the holes at will.

Mr. Jackson is particularly happy at this sort of description. He knows each player intimately, his virtues, his faults, his mannerisms. Stroke by stroke he will follow the important matches, and woe betide the incautious wife or daughter who breaks into her husband's attentive following of the game. Better for her that a golf-club were tied round her neck and she were thrown into the sea. There is no fool like a golf fool.

MISS SHEPHERD is a devoted lover and observer of animals, and she has made a study of their domestic history from the earliest times, in which she presents in a most entertaining way. Her talks already delivered on the Cat and the Dog cover their ancient and mythological aspects as well as their everyday modern characteristics. Miss Shepherd claims to have some telepathic sympathy with the animals that induces them to obey her unspoken wishes, and undoubtedly the same gift extends also to a higher plane, as she is able to hold her Wireless audience through the all-too-brief periods of her talks.

An EXCELLENT example of the way in which the Post Office authorities work in with the broadcasting organizations was shown during the recent week of transmissions from Geelong. A sporting event was to have been broadcast from an oval in Geelong, but at a very late moment it was found desirable by the sporting authorities to change over to Kardinia Park, and the whole of the extra work involved in establishing a new line through from the latter place was completed in ample time to allow of the broadcasting to be gone through with exactly as planned.

IT is good to hear some of the old tuneful light operas broadcast nowadays, and 3LO is to introduce several light operas to listeners during the past few months, among which may be mentioned "The Country Girl." Now, the Victorian Operatic Society is about to produce "Floradora," and, after what promises to be a very successful week at the Playhouse Theatre, they will broadcast it from 3LO. The cast is well balanced, and the names of all the principals are familiar to listeners as vocalists of first rank.

OF considerable lightness and brightness—to say nothing of tunefulness—is the offering by a clever pair of entertainers, Bower and Rutherford. Miss Bower at the piano, and Mr. Rutherford accompanying his coon songs on the banjo, will introduce many instrumental selections into their programme, and their witty songs and dialogues, ever topical and up to the minute, are always appreciated. Although listeners will not be able to see Miss Bower, we may mention that she carried off many beauty prizes in England, and is just as dainty and vivacious as she is talented.

HEIFETZ AND OTHERS.

I was amused the other day to read a letter from a correspondent taking poor 3LO to task for paying Heifetz to play to listeners. The fault lay, not in the act, but in the omissions the act disclosed. The argument was curious: "If 3LO can afford to pay Heifetz a big fee to broadcast, why can't they afford to give us better artists than they do?" asked the letter-writer.

The answer is that it is better to secure a great player like Heifetz, even at a big fee, than to refuse to broadcast such a genius, and continue with nothing but the artists available from day to day. Complaints are made of monotony, but no sooner does 3LO determine to meet criticism of musical starvation by such a succulent dish as one of the greatest violinists in the world than back comes a stone, and a stenorian yell of: "Give us our old friends, but pay them mere and they'll sing better," as if a singer sang mezzo voce for a guinea, but fortissimo for two.

THE UNIVERSITY CONSERVATORIUM are again due to hold their fortnightly concert, and many of the students will contribute both vocal and instrumental items.

It's All in the Air

Coming Features in the Broadcasting Programs

ONLY THREE SAT IN THE CAR. A stout blustering man, a small insignificant fellow, and myself. Brandishing the paper above his head, the blustering fellow said, "I wonder when it will stop, disgusting I think, making the air hideous, and ruining other persons' enjoyment. The Government ought to step in and the radio department ought to do something about it. At anyrate, why aren't there more inspectors?"

I tried to look comfortable and gave a polite air of approval, wondering the while to what he was referring. He carried on: "If some of these persons didn't try to get New York on a foolish little single valve receiver, we'd be able to sit back and enjoy the programmes in peace."

Looking round, he spied the little insignificant chap in the corner, intent to all purposes in reading a wireless magazine.

"Sir," he said, "I perceive that you are interested in radio." No reply came from the little chap except that he tried to shrink further back in the seat to make himself less conspicuous.

"I trust that YOU use your receiver in such a manner as not to give your neighbours any cause for complaint, and I further trust you are in possession of a licence."

The little man spluttered a little, coughed demurely and answered: "Y-E-E-S, you see I have only a crystal receiver, which cost me only thirty-nine shillings complete with listener's licence!"

WIRELESS THOUGHT READING: Win and Windle, English entertainers, have ventured a little more deeply into the question of radio amusement, and following on the success of their wireless thought reading item on Thursday, 14th July, which, of course, was in the nature of a burlesque, they hope to give listeners some real thrills on Friday evening, 22nd July, when they will attempt to introduce radio telepathy.

LOIS ZABINSKI, the fencer with the throat of gold, who has just recently arrived in Australia, will entertain 2GB listeners with vocal items on August 12. Mr. Zabinski, like those other famous musicians, Palestraki and De Koeko, was born in Poland, and first studied in Vienna under his own brother, Eugen Zabinski, the famous operatic tenor. Mr. Zabinski is a well-educated man who speaks eight modern languages fluently, and has a complete knowledge of their literature.

YOUR IDEAS.

A REWARD of 10/6 will be given weekly by 2BL to the best suggestion broadcasting idea, or something new or novel which has not already been done.

On August 5 the competition began and every Friday evening at 8.55 the suggestions received will be broadcast and criticised, and the winning suggestion will be announced by Mr. W. J. Macleary, whose decision will be final.

Address your letters to Broadcasters (Sydney), Ltd., Box 378F, G.P.O., Sydney, and also mark your envelopes "suggestions."

LISTENERS TO 5CL will be pleased to hear that arrangements have been made for the broadcasting of descriptions of wrestling from the Exhibition Building. Permission has been obtained to broadcast every week.

A NEW weekly feature given over 5CL is a gardening talk every Tuesday evening. This interesting talk is given by a specialist who speaks under the name of "Spade." The gentleman will be delighted to give listeners information on gardening subjects.

IN CONNECTION with the King of Charity competitions organized by the Adelaide Charity Carnival Committee a "King of Radio" has been entered. Mr. William C. Smallacombe ("Uncle Radio") has been nominated as Radio's representative in the charity field.

In connection with the voting, 5CL will organize a huge radio ball, further particulars of which will be announced later.

MADAME ELSIE DAVIES, the distinguished operatic soprano, who has endeared herself to all listeners with her delightful voice, is also to be included in the programmes broadcast from 3LO, which is good news for all musical listeners.

THE Huxham Screenaders, who made themselves very popular with listeners during their recent season at 3LO, have been engaged for another short season, but this time their programme will be somewhat different to that broadcast on previous occasions. Instead of their customary operatic and light comedy duets, quartettes and classical ballads, they have considerably strengthened their forces with a first-rate comedian, and are also going to produce revuettes and sketches.

PROFESSOR GRAYOTTI, 5CL's daring adventurer, who during a recent stunt broadcast from the Station, left on a trip to Mars in a specially constructed car, is to be returned to earth shortly. He will make his reappearance in an unusual fashion. Those who are present at the 5CL RADIO BALL will have an opportunity of meeting the Professor in person.

IT IS THE INTENTION of 5CL to reorganize the afternoon sessions shortly. Instead of the present orchestral music, vocal and other studio items will be introduced. It is probable that an organ recital will be arranged twice weekly.

"FAUST" ON THE AIR.

When Mephistopheles came through the air to tempt Faust, he little realised that a magic greater than his own would one day send his words trembling round the earth, to the delight of those who listened.

Music-lovers, so often dissatisfied with the provision made for their delight, are to have a special treat through 3LO on Tuesday, August 9th. The whole of the opera "Faust" will be done by Mr. J. Sutton Crow, of the Melbourne University Conservatorium, as conductor of the Symphony Orchestra of the University. Such favorite singers as Madam Elsie Davies, Messrs. F. Duxen, Russell Callow, Theo. George, J. Alex. Browne have been engaged to assist, while one of the best choirs in Melbourne, from the Auburn Methodist Church, will sing the fine choral music.

Mr. Sutton Crow is a wireless "fan" of old standing. When first wireless began to make its way, he was on the carpet of the Professor of Music with a scheme for erecting a plant to receive and to send. He intended it to serve as a valuable adjunct to staff teaching. I don't know how far his plan succeeded. I rather think that 3LO made it so easy for him and the teachers at the Conservatorium to get what they wanted, that he saw his own scheme was superfluous, so far as transmitting was concerned. The Symphony Orchestra has identified itself pretty thoroughly with the big radio station.

MR. FRITZ HART is going to take charge of one of the children's hour shortly, during which time he will teach the children, in his own delightful way, a little more about some of the master musicians—and his lecture will, as usual, be "illustrated" by some of his clever puppets.

Why Powerful Sets Find Favor.

THE question many times arises, "Wherein does the larger radio receiver have the advantage over the smaller one?" By the larger receiver is meant one employing five or six tubes or more, the smaller one usually employing three or four.

The radio receiver may be very closely compared to the motor car. A smaller car may, for all purposes of its owner, perform very efficiently. It takes him where he wishes to go quickly and economically. The owner of a larger car also considers his car perfectly efficient. It also takes him quickly, and although not so economically, perhaps, in far greater comfort than the smaller car could ever take its owner.

With a radio receiver it is exactly the same. The smaller receiver will perform just as well, perhaps, as the larger one when it comes to logging stations. However, when it comes to quality reception, selectivity and sensitivity the larger set is almost always superior by virtue of its greater care in manufacture, its greater accuracy and its greater power.

Oftentimes the greater power of the larger receiver cannot be used. It remains within the receiver in a vast reserve for the time when conditions allow its complete utilisation. Disregarding the factors of tone quality and selectivity, it is entirely likely that the smaller receiver will perform just as satisfactorily as the larger one when receiving conditions are bad, for there is a certain noise level on each night which cannot be penetrated, no matter how great power is used. Thus again the larger receiver may be compared to a powerful motor car, which, while unable to travel any faster than a smaller car, on very rough roads perhaps, possesses a great reserve to carry it up the hills without effort and over smooth roads at tremendous speeds.

EVER SINCE the opening of RLO there has never been a more enthusiastic welcome accorded to a "return" artist than that extended to Mr. Reginald Bradley, the late musical director of RLO, who, after an absence of six months, has returned to Melbourne, ready to take up his baton at the Studio again as director of the studio orchestra, with more enthusiasm than ever, having greatly benefited in health, by the change afforded him by his recent successful concert tour.

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4 VALVER for £7-11-9

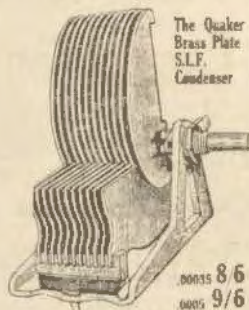
THE EVERYMAN'S FOUR

Described in this issue.

Is easy to build—and easy to tune
Build it from our guaranteed parts

	£	s.	d.
1 Radion Panel (Polished), 24 x 7 x 9-10	0	17	6
2 Aladdin (Airzone) 3 Coil Tuners, 14/6	1	0	0
1 Quaker .0005 Brass-plate S.L.F. Condenser	0	9	6
1 Quaker .00035 Brass-plate S.L.F. Condenser	0	8	6
2 Pilot Kilograd Vernier Dials, at 6/9	0	13	6
4 Emmco Spring Sockets, UX, at 3/9	0	15	0
1 Advance Neutralising Condenser	0	4	0
1 Wetless .00025 Condenser, with Clips	0	1	9
1 2-Meg. Ajax Gridleaks	0	1	0
1 Crescent Audio Transformer, 6 to 1	0	12	6
1 Crescent Audio Transformer, 3½ to 1	0	12	6
1 BMS Double Circuit Jack	0	2	2
1 BMS Single Circuit Jack	0	1	10
1 Push Pull Battery Switch	0	1	6
1 .001 Wetless Fixed Condenser	0	1	6
2 Emmco Stads, No. 1, at 7/6	0	15	0
1 Terminal Board (8 posts)	0	2	6

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THE ECONOMIC RADIO STORES

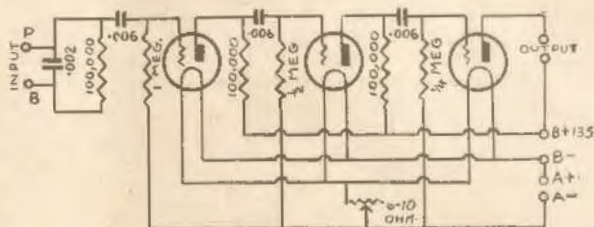
PARRAMATTA:
 Cor. Macquarie and Church Sts.
 Phone: UW 9601.

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

NEWCASTLE:
 569 Hunter St. West.
 Phone: New. 1623.

The parts used are as follows:—

- 1 Polymet 3 Stage R.C. Kit.
- 3 Radion Valve Sockets.
- 1 30 Ohms Rheostat.
- 1 Dilecto or Radion, Panel 12 x 7 x 1-8.
- 1 Standard Terminal Board.
- 1 Base Board, 11 x 6 x 3.



A Three Stage Resistance Coupled Amplifier

OVER and over again in these pages have we discussed the many different types of audio frequency amplification; the Englishman calls it note magnification and thus conveys more meaning than ourselves. For audio frequency amplification is used to build up the signal strength after it is detected or rectified.

You see, radio frequency amplification is of such a high frequency that it is inaudible to the human ear without some form of rectification to convert it into audible or audio frequency.

For the benefit of the uninitiated, let us consult the Wireless Dictionary. We will turn up audio frequency for a start. What does it say:—

"Audio Frequency. A frequency of alternating current which can produce audible sounds in a telephone receiver, i.e., within a range of from about 25 cycles per second to about 16,000 cycles per second. However, the

range of frequencies used in ordinary telephony is only from about 100 to 3,000 cycles per second."

That's that! Now let's turn up frequency.

Frequency.—The number of complete cycles an alternating quantity passes through in one second. Sometimes called the periodicity.

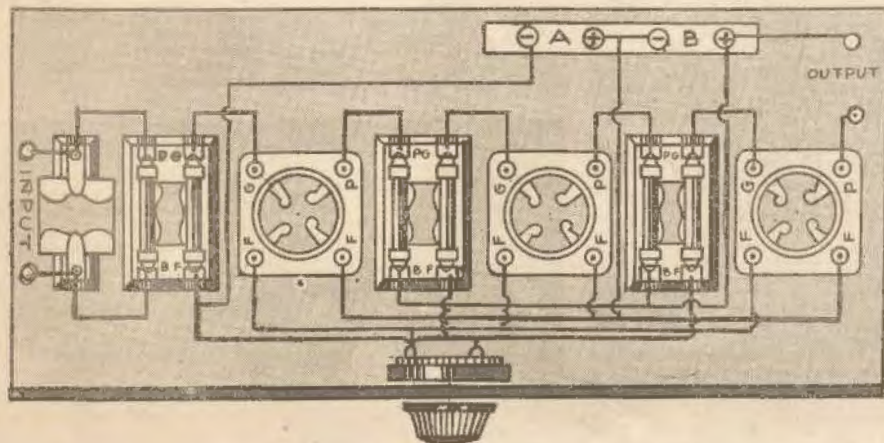
Now let us tackle alternating current:

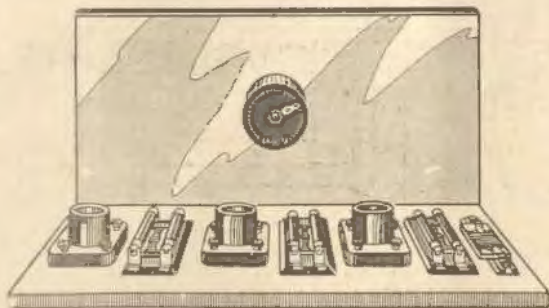
Alternating Current (A.C.).—An alternating current is one which flows first in one direction and then in the opposite direction round a circuit alternately. One way round the circuit is taken as positive and the other as negative. The sequence of values attained by the current in passing through one complete set of positive and negative values is called one Cycle. The time of one complete cycle is called the Period, and the number of cycles passed through in one second is called the Frequency, or Periodicity. Now one more:

Radio Frequency.—A frequency within the band of frequencies used for wireless telegraphy and telephony, i.e., within a range from about 12,000 up to 100,000,000 cycles per second, representing a range of wavelengths from 25,000 metres down to about 3 metres.

Read that over again! It will be seen that the difference between radio frequency and audio frequency is explained. To sum up, simply radio frequency amplification is inaudible, because the frequency is so high that the human ear cannot respond to it, whereas audio frequency is brought low enough to be impressed on the human ear and therefore becomes audible.

Some form of rectification or detection is stepped between radio frequency and audio frequency, and that form may be a crystal detector or a valve detector. Still suffice it to say that the average audio frequency stages may be appreciable to any





system of detection, whether crystal or valve. This is by the way, however, as it is our purpose to interest all our readers in every technical article appearing in our pages. Some there are who will read this article, but who will not build the unit, being satisfied with their own system, and again there are some who will build this unit and want to know why. We endeavour to cater for all.

Now, coming back to audio frequency, it must be understood that this is useful for building up the note magnification or the signal strength after it is detected, and it may be added to any set, whether valve or crystal detector, it even may be preceded by one or two stages of radio frequency amplification. For example, the person who owns a single valve receiver and who enjoys good earphone strength on the local or even the Inter-State stations, and who again desires loud speaker strength on all stations, will find this unit of particular interest. It is, of course, realised that there are many who have a receiver employing radio frequency and a detector only, who would like the detector or audio frequency energy built up so as to permit all the sounds to be heard in any part of the home. Well, build this unit.

Realise at the very outset that to ensure maximum satisfaction on the interstate stations, some form of radio frequency amplification is desirable, so don't expect to hear these distant stations at remarkable pitch unless they can be heard reasonably well after the detector valve. If the distance station can be heard at all after the detector, then this unit will help you to hear on the speaker comfortably but if this distant station is not heard, then don't expect too much from this unit.

Over and over again has there been discussions on the relative merits of transformer coupling, impedance, and double impedance coupling versus resistance coupling of audio frequency

stages. It is claimed that resistance coupling and double impedance coupling is far more natural and far purer than the standard transformer coupling method of audio frequency amplification. This may be true, but there are exceptions.

As a matter of fact, the writer was very much impressed with good qual-



ity reception of a receiver using only two very cheap transformers for the audio coupling stages, and also found that the much vaunted resistance coupling was the most raucous. On investigation, it was found that the fault lay in the resistances used and not the valves or the circuit. So it

behoves the constructor who desires this system to adhere faithfully to the list of parts given in the panel having this information.

Poor quality resistances are useless after the first week or two. The application of the B. battery breaks down poor resistances and renders them useless. The Polymet resistances chosen have been functioning well for weeks, and look like going so for many more weeks. Please understand that it is absolutely essential to have a B. battery of from 100 to 150 volts to get the maximum output and that this maximum output of three stages of resistance coupled amplification equals only in volume two stages of transformer coupled amplification. But the purity is outstanding; it is wonderful.

The constructional details are simple. Only one hole is required on the panel. If it is desired to have a jack and plug for the output, fix the jack on the right hand bottom corner, and if a switch is wanted to cut off all valves this may be inserted on the left hand corner to match the jack. The baseboard beyond is simple.

Don't forget to shellac the baseboard and trim up the corners. Then lay out your Poly 3 stage Kit A, as shown on the diagrams. Screw everything securely to the baseboard and get ready for wiring.

Choose whichever socket suits you. The average socket to-day is the standard UX type, and this is easily wired. This is the socket which we used in our unit, in fact, we used the UX Radioon socket because of good contact with the springs. This plays an important part in all receivers. The layout is simply followed, but watch the three different stages. The Poly units come to you as four separate parts; one with a 402 condenser in clips and base the rest with two resistances, and a 606 condenser connecting with the two. These units have a valve socket between them, as is shown on the diagrams. Lay out accordingly.



What Transformer

WHAT transformers shall I use? Always a vexing question to the home constructor, for with the valve, the transformer is the most important and delicate component in any receiver. Too many listeners leave their transformers to chance, instead of choosing, with great care, the best they can get. Emmco, of course, is the best obtainable, also the most economical in price. Ask your dealer to show you Emmco transformers. Made by Australia's largest manufacturer of all types of transformers.

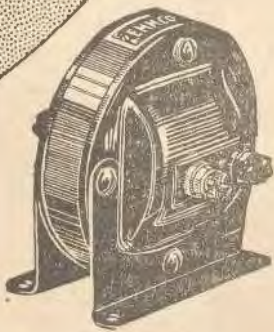
ELECTRICITY METER MANUFACTURING CO. LTD.



CAVALIER Transformer (above). Many thousands of the Emmco Metal Case Transformers are now in use throughout Australasia. As a standard transformer — for appearance and efficiency, they have no equal. Ratios 2-1, 3-1, 5-1 and 7-1. Price 2/-.

Same style makes 10, 20, 50, and 100 Henries. Price 2/-.

The Emmco line of radio products has been greatly increased for 1927, and in addition to the transformers herewith, a great range of radio material can be viewed at any radio dealer. Every Emmco part is thoroughly tested and it is fully guaranteed against defects. Besides the articles listed in this circular, Emmco Engineers are completing new types of Loud Speakers, fixed condensers in metal cases, "A" Battery Eliminators, and other Battery products.



BAKELITE Case Transformer (above). The Emmco Bakelite Case Transformer is another carefully new line. Terminals placed at base to ensure easy wiring. The moulded bakelite case gives a handsome finish and increased efficiency. Ratios 2-1, 3-1, and 5-1. Price 2/-.



MIDGET Transformer (centre). The Emmco Midget Transformer answers the requirements of all those who are seeking for an audio transformer with high efficiency but low price. The Midget has a shielded core, perfectly insulated windings and an attractive appearance. Ratio 5-1. Price 13/6.

Then commence the wiring. The wiring diagram shows this in detail. Follow out carefully. Take one step at a time. Check over as you proceed. See that the contacting springs of each unit are securely resting on the coupling condenser. One rheostat controls all three valves. If three valves of the 1 variety are used, a 50 ohms. rheostat is all that is required. If again, three .20 amp. valves are used, then a 6 ohms. rheostat is necessary to carry the filament current to these valves. On the wiring diagram a 6 ohms rheostat is specified, but this is subject to alteration, as suggested.

The A. battery, of course, depends on the valves used. If 6 volt valves are required, then a 6 volt accumulator or A. battery is necessary, but if 4 volt valves are used, then by all means use a 4 volt battery as an A. battery.

Wire up carefully, using good bus-bar or some good wiring wire. Solder neatly when it is called for, and finish off. The B. battery must be more than 100 volts; 135 volts being better still. Connect up the A. and B. batteries, loudspeaker, etc. Then connect the unit to the set. Join the input terminals of this unit to the telephone terminals of the set and things will go O.K.

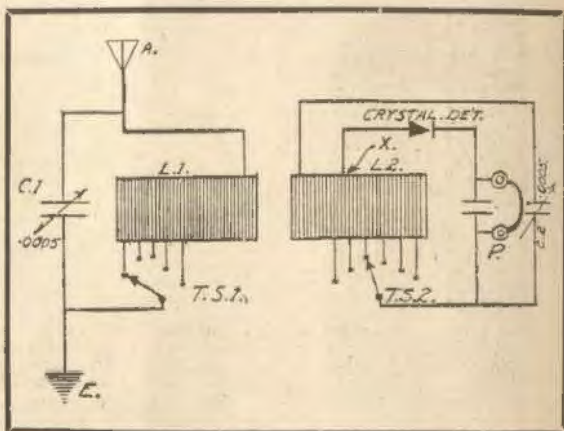
Try out the set on the phones first, then join the resistance coupled unit to the set and plug in the speaker. Note the remarkable volume and purity on the speaker. Really good—so it will be always. And if Poly resistances are used, it will always remain good, provided your B. battery is always up to the mark. This unit doesn't alter the tuning of the detector side in any way, but will increase the strength of received signal immensely.

Valves should be of the high amplification type found in Ozaan, De Forest and Cosser Range. Ask your dealer.

Everyman's Four

We regret that owing to the illustrations not being available, at the last moment we were compelled to withdraw the above Technical article.

It will appear next issue.



The Best Crystal Receiver

BY H. K. LOVE

(President of the Victorian Section of the Wireless Institute)

From a Talk Broadcast by 3LO

Before much time is spent in consideration of any type of crystal receiver I advise listeners to first examine their aerial system. When satisfied that the best aerial possible in the circumstance is provided, it is time to look at the earth lead. This should not be more than about 10ft. long before it is grounded, by burying it in the earth or soldering it to a water pipe or other earth point. When these details have been attended to satisfactorily attention may be turned to the design of construction of the crystal receiver itself.

In order that the circuit shown in the above diagram may be extremely selective a certain amount of experiment has been carried out for the benefit of listeners to 3LO. It was found by practical experiment that the point at which the tap at point X was connected to L2 varied slightly, and it is, therefore, impossible to state definitely that it should be fixed at any point on L2. Its approximate relative position is clearly indicated in the diagram, and the builder of this circuit will need to conduct a few practical experiments as to the best point of fixing this tap.

The principle involved in this circuit is very simple. By using only a portion of the inductance L2 the resistance of the crystal circuit is slightly reduced while the tuning of the whole of L2 is accomplished by the condenser C2, which has a voltage of .0005. With the reduction of re-

sistance in the crystal circuit maximum energy is made available to the crystal detector, and through it to the telephone P. The condenser C2, which has a value of .001, acts as a radio frequency by-pass which allows the radio frequency in the circuit to pass to T.S.T. without having to traverse the windings of the telephone. This condenser will in most cases effect a considerable increase in the strength of signals received in telephones. The coils L1 and L2 are wound on 2½ or 3in. cardboard formers and consist of L1 80 turns, tapped at 50, 60, 70, 80, 90. These taps are connected to the studs of a rotary selector switch, and by its use the number of turns may be adjusted to receive any particular band of wave lengths. L2 is also wound on a 2½in. or 3in. former with 90 turns, and is tapped at 40, 50, 60, 70, 80, 90. These taps are in turn connected to the studs of the rotary switch T.S.T. The two coils should be clamped to the baseboard of the receiver by means of screws and hard rubber strips in such a manner that the distance between them can be varied at will. This receiver should be carefully constructed of good parts and will undoubtedly produce good results if a little care and experiment is undertaken in its construction. It is essential that a good high aerial be used in conjunction with this receiver if maximum results from a crystal set are desired.

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It is its desire to stand for all that is best to-day and for all that betokens progress.

*Brandes will shortly announce its latest achievements—
new contributions to the enjoyment of radio.*

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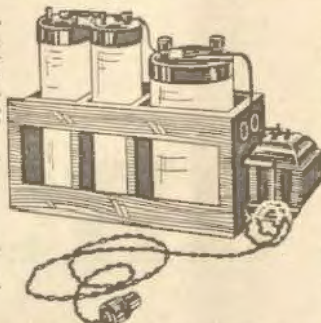
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1 24 x 7 x 3-16 Inlecto or Radion Panel	0	17	6
2 3 Coil Tuners	1	17	0
1 .0005 S.L.F. Condenser	0	10	6
1 .00025 S.L.F. Condenser	0	10	0
2 Bakelite Vernier Dials	0	12	0
4 Benjamin UX Sockets	0	19	0
1 .00025 Tested Condenser and Leak	0	3	3
1 5/1 and 34/1 Jefferson's Transformers	1	13	0
1 Marco D.C. and 1 S.G. Jack	0	4	0
1 Battery Switch	0	1	0
1 Neutralising Condenser	0	5	0
1 .001 Tested Condenser	0	1	6
2 Enmenstatts	0	15	0
1 Amperite	0	6	0
1 Terminal Board	0	2	0
1 Stained Baseboard	0	2	0
Bus Bar, Screws, etc	0	1	0

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Near Circular Quay.

PITT & GOULBURN STS.,
SYDNEY.

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384 Pitt Street,
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Established 23 years.

BROADCASTING PROGRAMMES

For the COMING WEEK

Friday, August 12 2FC, SYDNEY

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

- EARLY MORNING SESSION.**
7 a.m.—"Big Ben" and announcements.
7.3 a.m.—Studio music.
7.45 a.m.—COUNTRY SESSION: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
7.55 a.m.—Investment market, mining share market, metal quotations.
8.05 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.
8.15 a.m.—"Sydney Morning Herald" summary.
8 a.m.—"Big Ben." Close down.
- MORNING SESSION.**
10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Studio music.
10.10 a.m.—"Sydney Morning Herald" news service.
10.30 a.m.—Studio music.
10.35 a.m.—A Reading.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben."
Matching music for school children.
11.5 a.m.—A.P.A. and Reuter's Cable Services.
11.10 a.m.—Studio music.
11.15 a.m.—A talk on Home Cooking and Recipes by Miss Ruth Furst.
11.30 a.m.—Close down.
- MIDDAY SESSION.**
12 noon—"Big Ben" and announcements.
12.3 p.m.—Stock Exchange, first call.
12.5 p.m.—Official weather forecast, rainfall.
12.55 p.m.—Studio music.
12.10 p.m.—Summary of "Sydney Morning Herald" news service.
Rugby wireless news.
12.25 p.m.—Studio music.
12.40 p.m.—Marching music for school children.
12.45 p.m.—SYLVIA SHERIDAN, soprano: "A Summer Night" (Thomas).
12.45 p.m.—TIP OAK HALL INSTRUMENTAL TRIO (Leader, Mr. Horace Keate).
12.50 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.3 p.m.—"Evening News" midday news service.
Producers' Distributing Society's Report.
1.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
1.52 p.m.—Stock Exchange, second call.
1.50 p.m.—Marching music for school children.
1.40 p.m.—SYLVIA SHERIDAN, soprano: "Bird of Love Divine" (Wood).
1.45 a.m.—Studio music.
1.55 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
2 p.m.—"Big Ben." Close down.
- AFTERNOON SESSION.**
2 p.m.—"Big Ben" and programme announcements.
2.5 p.m.—A Recital by the pupils of Mr. Gordon Levens, secr.
3.02 p.m.—Marching music for school children.
3.40 p.m.—EILEEN MORRAN, soprano: "Pale Moon" (Logan).
3.45 p.m.—Further items from the Recital arranged by Mr. Gordon Levens, secr.

- 3.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
3.55 p.m.—MAY CRAVEN, soprano: "A Song Remembered" (Coates).
4 p.m.—FRANK BOTHAM, baritone: "Nirvana" (Adams).
4.05 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
4.10 p.m.—IRIS MYERS, soprano: "Serenata" ("Come Back") (Kiklin).
4.15 p.m.—Studio music.
4.20 p.m.—EILEEN MORRAN, soprano: "Down Here" (Brake).
4.25 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
4.35 p.m.—MAY CRAVEN, soprano: "Just for Today" (Harding).
4.40 p.m.—FRANK BOTHAM, baritone: "Tally Ho!" (Leon).
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—IRIS MYERS, soprano: "The Spring of Pearls" (Lockton).
4.50 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA, under the baton of Mr. Cyril Kaye.
5 p.m.—"Big Ben." Close down.
- EARLY EVENING SESSION.**
5.45 p.m.—The "China of 1927."
5.50 p.m.—The "Hello Man" talks to the children.
6.15 p.m.—A Recital by the pupils of Madame Ada Baker.
6.40 p.m.—Dinner music.
7 p.m.—"Big Ben."
Late sporting information by the 2FC Racing Commissioner.
7.10 p.m.—Daily News' market reports (wool, wheat and stock).
7.18 p.m.—Fruit and vegetable markets.
7.20 p.m.—Weather and shipping news.
7.30 p.m.—"Evening News" late news service.
- NIGHT SESSION.**
7.35 p.m.—Programme announcements.
7.40 p.m.—A few words from Mr. R. V. Markham on the Hooley Match to be played to-morrow between New Zealand and New South Wales.
7.45 p.m.—AUSTRALIAN RULES FOOTBALL: A talk by the Captains of the Carlton and Geelong teams visiting Sydney.

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

- 2FC—Farmer's Broadcasting Station, 144, Sydney, wavelength 442 metres, power 5000 watts.
2BL—Broadcasters' Ltd., Sydney, wavelength 353 metres, power 5000 watts.
2GB—Theosophical Broadcasting Station, Ltd., Sydney, wavelength 316 metres, power 3000 watts.
2BY—Trades and Labor Council, Sydney, wavelength 280 metres, power 1600 watts.
2IW—Otto Sandel, Sydney, wavelength 265 metres, power 500 watts.
2MK—Mackler Bros., Bathurst, wavelength 275 metres, power 250 watts.
2UP—Electrical Utilities Supply Co., Sydney, wavelength 293 metres, power 250 watts.
2BE—Burrin Electric Co., Sydney, wavelength 316 metres, 100 watts.
2BY—J. A. Denham, Newcastle, wavelength 286 metres, 100 watts.

- 7.58 p.m.—"Is It Your Birthday?"
8 p.m.—"Big Ben."
THE LYCEUM THEATRE ORCHESTRA.
8.15 p.m.—2FC Vocal Quartette, conducted by Mr. W. Bourne:
(a) "The Silent Tide" (Phanlit).
(b) "De Old Banjo" (Giffy).
8.25 p.m.—"Do you know?" A series of questions asked by the Announcer, the answers to which will be given later in the evening.
8.25 p.m.—J. PHELLOU, corset solos.
8.31 p.m.—A short talk on "Personalities by Mr. Hulton Gbb."
No. 2—"Sarah Bernhardt."
8.41 p.m.—WIN and WINDLE, English entertainers.
8.45 p.m.—Lily weather forecast.
8.51 p.m.—HENK VREEDE, clarinet solos.
(a) Scotch air, "Logie o' Buchan" (Thiers) (Fantasia, with variations).
(b) "Ain" (Bergoist).
8.55 p.m.—THE 2FC VOCAL QUARTETTE, conducted by Mr. W. Bourne:
(a) "Love is meant to make us glad" (German).
(b) "Pretty Village Maiden" (Gounod).
9.2 p.m.—THE LYCEUM THEATRE ORCHESTRA.
9.5 p.m.—WIN and WINDLE, English entertainers.
9.15 p.m.—GLADSTONE BELL, cello solo.
9.30 p.m.—"Now you know."
9.22 p.m.—THE 2FC VOCAL QUARTETTE, conducted by Mr. W. Bourne:
(a) "The Red Cavalry" (Ashward).
(b) "Ye Shagbuds Tell Me" (Mazurkitch).
9.27 p.m.—FROM THE LYCEUM THEATRE, SYDNEY:
—THE PRIME FOUR (in vocal numbers).
9.37 p.m.—J. PHELLOU, corset solos.
9.43 p.m.—THE 2FC VOCAL QUARTETTE, conducted by Mr. W. Bourne.
9.40 p.m.—HENK VREEDE, clarinet solos:
(a) "Rondo," from Mozart's clarinet concerto.
(b) "Serenata" (Thiers).
9.57 p.m.—WIN and WINDLE, English entertainers.
10.5 p.m.—GLADSTONE BELL, cello solo.
10.15 p.m.—CELEBRITY RECORDS.
10.18 p.m.—LYCEUM THEATRE ORCHESTRA.
10.30 p.m.—DANCE SESSION, conducted by LEN MAURICE.
10.47 p.m.—Late news and announcements.
11 p.m.—"Big Ben."
DANCE SESSION, conducted by LEN MAURICE.
11.30 p.m.—National Anthem.
Close down.
- ## 2BL, SYDNEY.
- Broadcaster's Ltd.
Wave Length, 353 Metres.
- Friday
- EARLY MORNING SESSION.**
7.00 a.m.—G.P.O. Clock and Chimes.
Metropolitan Weather forecast.
7.2 a.m.—State Weather report.
7.4 a.m.—News from "Daily Telegraph" Fictional.
7.15 a.m.—G.P.O. Clock and Chimes.
Fruit Market report.
7.18 a.m.—Vegetable Market report.
7.20 a.m.—Australian Mercantile Land and Finance Co's Report.

- 7.25 a.m.—Daily Farm Produce Market report.
 7.30 a.m.—Foultry Market report.
 7.35 a.m.—F.M. Clock and Chimes.
 Musical programme from the Studio.
 7.45 a.m.—News from the "Daily Telegraph" (Victoria).
 7.50 a.m.—Boats in call by Wireless.
 7.55 a.m.—Mail Information.
 Shipping Arrivals and Departures and Port Directory.
 7.58 a.m.—G.P.O. Clock and Chimes.
 News from the "Daily Telegraph" (Victoria).
 8.00 a.m.—G.P.O. Clock and Chimes.
 Close down.

MORNING SESSION.

- 10.30 a.m.—G.P.O. Clock and Chimes.
 Musical programme from the studio.
 10.40 a.m.—News from the "Daily Telegraph" (Victoria).
 10.50 a.m.—Musical programme from the Studio.
 11 a.m.—G.P.O. Clock and Chimes.
 Announcements.
 11.5 a.m.—Musical programme from the Studio.
 11.15 a.m.—Talk on "Cricket," by Miss Green Varley, Recreators' Women's Sports Authority.
 Social News—Holidays to correspondents by Mrs. Jordan. Talk on "Best Meat Cuts," by Mr. Osborne.
 12 noon—G.P.O. Clock and Chimes.
 Special Ocean Forecast and Weather Report.
 12.15 p.m.—Musical programme from the Studio.
 12.15 p.m.—Information—Mail, shipping and Port Directory.
 12.25 p.m.—Boats in call by Wireless.
 12.29 p.m.—Fruit Market report.
 12.32 p.m.—Vegetable Market report.
 12.35 p.m.—London Metal Market report.
 12.38 p.m.—Daily Farm Produce Market report.
 12.50 p.m.—G.P.O. Clock and Chimes.
 Foreign Market report.
 12.52 p.m.—Fish Market report.
 12.54 p.m.—Woolly Market report.
 12.58 p.m.—News from the "Sun."
 1.00 p.m.—Hillier's Instrumental Quartette.
 Direction, Carl Gustaf.
 1.10 p.m.—G.P.O. Clock and Chimes.
 Talk to Children and Special entertainment for Children in Hospital.
 1.20 p.m.—G.P.O. Clock and Chimes.
 Close down.

AFTERNOON SESSION.

- Racing information broadcast immediately after each race by courtesy of the "Sun."
 1.30 p.m.—G.P.O. Clock and Chimes.
 News from the "Sun."
 1.40 p.m.—Musical programme from the Studio.
 1.50 p.m.—News from the "Sun."
 1.55 p.m.—G.P.O. Clock and Chimes.
 Civil Service Stores Trip.
 1.45 p.m.—Social Gossip.
 1.55 p.m.—Musical programme from the Studio.
 1.45 p.m.—News from the "Sun."
 1.50 p.m.—Racing results.
 1.55 p.m.—Review of night's programme.
 1.58 p.m.—Announcements and "White On."
 1.59 p.m.—Special Ocean Forecast.
 2.00 p.m.—G.P.O. Clock and Chimes.
 Close down.

EVENING SESSION.

- 7.15 p.m.—G.P.O. Clock and Chimes.
 Uncle George and the Kiddies.
 7.20 p.m.—Musical programme from the Studio.
 SPECIAL COUNTRY SESSION.
 7 p.m.—G.P.O. Clock and Chimes.
 Australian Meentville Land and Finance Co.'s report.
 Weather report and forecast by courtesy of Coast Meteorologist.
 Producers' Distributing Society's Fruit and Vegetable Market report.
 Stock Exchange reports.
 Greys and Pinders report ("Sun").
 Trefry Produce report ("Sun").
 7.15 p.m.—Country News from the "Sun."

- 7.30 p.m.—Talk on the N.E.M.A. by Mr. Gregory.
 7.35 p.m.—Talk on "Gardening Science," by Mr. Gemper, Park Superintendant, City Council.

NIGHT SESSION.

- 8 p.m.—G.P.O. Clock and Chimes.
 Broadcasters' Typical Course.
 8.2 p.m.—The Veracite Two (Piano and Songbook) (Newly).
 8.3 p.m.—Miss Bertha Waters (soprano).
 8.35 p.m.—Mr. Sydney Hollister (comedian).
 8.42 p.m.—Mr. William Eversard (tenor).
 8.45 p.m.—Broadcasters' Ad Specia Expert will talk on Football.
 8.49 p.m.—Broadcasters' Trio.
 8.55 p.m.—Weather report and Forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.
 9 p.m.—G.P.O. Clock and Chimes.
 Resume of following day's programme.
 9.15 p.m.—Mr. Douglas Graham (bass) (comedian).
 9.18 p.m.—Mr. Alfred Fishburne (tenor) (solo).
 9.17 p.m.—Miss Bertha Waters.
 9.24 p.m.—Mr. Sydney Hollister.
 9.31 p.m.—The Sporting Editor of the "Sun" will talk on the prospects of Staturday's racing.
 9.31 p.m.—Broadcasters' Trio.
 9.35 p.m.—Mr. William Eversard.
 9.38 p.m.—Mr. Alfred Fishburne.
 9.44 p.m.—Jazz music.
 10 midnight—G.P.O. Clock and Chimes.
 National Anthem.

2GB, SYDNEY

Theatrical Broadcasting Service.
 Wave Length, 316 Metres.

Friday.

MORNING SESSION.

- 7 a.m.—Music.
 7.5 a.m.—"Opera" Talk.
 8.15 a.m.—Music.
 8.35 a.m.—Psychological Class.
 8.40 a.m.—Music.
 9.45 a.m.—Health and Diet.
 10 a.m.—Close down.
 AFTERNOON SESSION.
 2.30 p.m.—Music.
 2.37 p.m.—Address.
 2.45 p.m.—Music.
 2.47 p.m.—Address.
 2.55 p.m.—Music.
 3.00 p.m.—Close down.

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

- 21.0.—Broadcasting Company of Australia, Ltd., Melbourne, wavelength 211 metres, power 4000 watts.
 24.0.—Queensland Radio Service, Brisbane, wavelength 255 metres, power 4000 watts.
 24.5.—Central Broadcasters' Ltd., Adelaide, wavelength 295 metres, power 8000 watts.
 26.7.—Western Farmers, Ltd., Perth, wavelength 220 metres, power 1000 watts.
 72.1.—Tasmanian Broadcasters, Ltd., Hobart, wavelength 215 metres, 5000 watts.
 54.8.—Associated Radio Co., Ltd., Melbourne, wavelength 484 metres, power 1000 watts.
 51.0.—Dunlop Business and Technical College, Melbourne, wavelength 233 metres, power 800 watts.
 317.0.—J. Wilson & Co., Melbourne, wavelength 313 metres, power 100 watts.
 46.6.—Gold Radio Electric Service, Townsville, Queensland, wavelength 254 metres, power 1000 watts.
 48.5.—Ward & Co.'s Broadcasting Station, Adelaide, wavelength 235 metres, power 1000 watts.
 12N.—12N Pty., Ltd., Adelaide, wavelength 313 metres, 400 watts.

EVENING SESSION.

- 8.30 p.m.—Children's Session.
 9 p.m.—Music.
 9.15 p.m.—Music.
 9.15 p.m.—Music.
 9.20 p.m.—Address.
 9.20 p.m.—Music.
 9.25 p.m.—Lecture on the Education of the Deaf at the Victoria Conference with piano accompaniment.
 DAN SCULLY, MONICA BORDER, ADA BRIDGE.
 9.3 p.m.—Lecture by Professor Ernest West.
 9.35 p.m.—Song by MR. LOIS ZORNINER.
 9.42 p.m.—Viola Solo, MONICA BORDER.
 1. "Lakeland" (Keweenaw).
 "Orchestra" (solo).
 9.50 p.m.—Instrumental Quartette.
 DAN SCULLY, MONICA BORDER, MURIELLE LANG, ADA BRIDGE.
 9.55 p.m.—Address by the Rev. H. E. Hammond.
 9.15 p.m.—Song by Mr. LOIS ZORNINER.
 9.25 p.m.—Piano Solo—ADA BRIDGE.
 1. "Evening Willows" (Polynesian).
 2. "The Sun" (Polynesian).
 9.35 p.m.—Instrumental Quartette.
 DAN SCULLY, MONICA BORDER, MURIELLE LANG, ADA BRIDGE.
 9.40 p.m.—Talk.
 10 p.m.—Close down.

3LO, MELBOURNE.

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

Friday.

MIDDAY SESSION.

- 11.30 noon—Time Signal. Metal Pelton notified by the Australian States and Main Association from the London Clock Exchange this day. British Official Wireless News from King's, Reader's and the Associated Press Association Cables.
 1.30 p.m.—Close Down.

AFTERNOON SESSION.

- 2.35 p.m.—Description of Associated Public Schools of Victoria Football, SCOTCH COLLEGE v. MELBOURNE GRAMMAR SCHOOL. Described by Mr. C. J. Brockbank, from M.C.G. Quarter-time.
 2.55 p.m.—Description of Associated Public Schools of Victoria Football, GERRINGONG COLLEGE v. WERRY COLLEGE. Described by Mr. W. E. Blackford, from Gerringong.
 3.15 p.m.—STUDIO ORCHESTRA: "Summer Day" Solo, FRED L. GUSTAF.
 3.25 p.m.—Description of Associated Public Schools of Victoria Football, SCOTCH COLLEGE v. MELBOURNE GRAMMAR SCHOOL. Described by Mr. C. J. Brockbank, from M.C.G. Quarter-time.
 3.25 p.m.—Description of Associated Public Schools of Victoria Football, GERRINGONG COLLEGE v. WERRY COLLEGE. Described by Mr. W. E. Blackford, from Gerringong. Quarter-time.
 3.55 p.m.—"AI FAIT!"
 3.55 p.m.—Description of Associated Public Schools of Victoria Football, FINCH FARM WOODLAND SCHOOLS (Melbourne) v. WILD ROSE. Described by Mr. C. J. Brockbank, from Werrily Place.
 "Resonance" With Dance.
 "Marshall" March Solo.
 3.55 p.m.—STUDIO ORCHESTRA: "The Sun" Solo.
 4.3 p.m.—Description of Associated Public Schools of Victoria Football, SCOTCH COLLEGE v. MELBOURNE GRAMMAR SCHOOL. Described by Mr. C. J. Brockbank, from M.C.G. Half-time.
 4.3 p.m.—Description of Associated Public Schools of Victoria Football, GERRINGONG COLLEGE v. WERRY COLLEGE. Described by Mr. W. E. Blackford, from Gerringong. Half-time.
 4.15 p.m.—STUDIO ORCHESTRA: "Summer Day" Solo, Fred L. Gustaf.
 4.25 p.m.—Description of Associated Public Schools of Victoria Football, SCOTCH COLLEGE v. MELBOURNE GRAMMAR SCHOOL. Described by Mr. C. J. Brockbank, from M.C.G. Three-quarters-time.

A Remarkable Growth

The Organisation and Its Methods

Great reputation—age—size—wide experience—all these assets are working every day to build more battery business for every Bright Star dealer.

The Bright Star Battery Company is not a new and untried product of the recent radio boom. Established in 1909, Bright Star is one of the oldest battery manufacturing companies in America, and the originator of the bag type cell—one of the outstanding features which give Bright Star Batteries unusually long life.

A total of two hundred thousand square feet of space in the modern Terminal Building at Hoboken, N.J., is occupied by the Bright Star organisation, now growing at a rate which will soon make more space imperative. The Bright Star plant is equipped with the very latest machinery for the manufacture of high-grade flashlight cases, flashlight batteries, and A, B, and C radio batteries, and a rigid standard of quality is enforced in every department.

It is important to remember that, from the raw material to the finished merchandise, everything that bears the Bright Star name is made in the Bright Star plant—under one roof and under the close supervision of experts in the field of flashlights and batteries.

That is why, when laboratory tests are made in industrial institutions throughout the United States, almost always the battery used is a Bright Star—leading engineers agree that Bright Star batteries are "supreme in every test."



International Radio Co. Ltd.

200 CASTLEREAGH ST. :: :: SYDNEY

6.22 p.m.—Description of Associated Public Schools at Victoria Football GROUND, GREAMBAR SCHOOL, W. WESLEY COLLEGE. Described by Mr. W. S. Shearland, from Geelong. Three-quarter-hour.

6.48 p.m.—MR. M. CALLAWAY MAHOOD, "The Art of Dressing." (L. Lohmann.)

6.42 p.m.—"Herald" News Service; South Exchange Information.

6.49 p.m.—Description of Associated Public Schools of Victoria Football SCOTCH COLLEGE, MELBOURNE GREAMBAR SCHOOL. Described by Mr. C. J. Brooksbank, from M.G.G. Final seven.

6.53 p.m.—Description of Associated Public Schools of Victoria Football, GREAMBAR SCHOOL, W. WESLEY COLLEGE. Described by Mr. W. S. Shearland, from Geelong. Final seven.

6.19 p.m.—Clips News.

EVENING SESSION.

6.26 p.m.—Answers to letters and birthday greetings by "Bully Bunty."

6.47 p.m.—ELISE BRADSHAW, will play for the children.

6.50 p.m.—Captain DONALD MACLEAN, "Fraud and More Pirates."

6.58 p.m.—MILDRED AND CONNIE, "Aussie and March."

6.59 p.m.—Official Report of Newmarket Stock Sales; Numbers of trucks for following week's sales, supplied by the Associated Stock and Station Agents of Bourke Street, Melbourne.

6.48 p.m.—"Herald" News Service; Weather Synopsis; Shipping Messages.

6.52 p.m.—Stock Exchange Information.

6.57 p.m.—Fish Market Reports by J. B. Burnett, Ltd., Rabbit Prices.

6.58 p.m.—River Reports.

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

NIGHT SESSION.

7.15 p.m.—Under the auspices of the Department of Agriculture, Mr. R. J. de C. TAYLOR, Veterinary Officer, will speak on "Breeding Cattle and Pigs."

7.30 p.m.—STUDIO ORCHESTRA: "Crescent Serenade" (Bossy).

7.40 p.m.—A. G. SPILL, Comedian: "We All Go Out."

7.40 p.m.—MR. H. K. LOVE, "Tales of Mystery."

7.57 p.m.—COLLINGWOOD CITIZENS' BAND: "Queen of the North" (Rimmer), "By the Waters of Minnesota."

8.7 p.m.—LESLIE ELLIOTT, Comedian: "Ain't Little Tim" (L. Elliott), "The Rich Man and the Poor Man" (Wentland and Lee).

8.11 p.m.—STUDIO ORCHESTRA: "Jupiter Symphony," Part I. (Mozart).

8.24 p.m.—SILVA STRALIA Soprano: "Sue" (Curran), "Bird Song at Eventide" (Caldes).

8.37 p.m.—COLLINGWOOD CITIZENS' BAND: "Songs of England."

8.42 p.m.—CARLINE RUDD, Piano: "Sonata Op. 12" (Pachelbel), (Beethoven), First Movement; Gigue—Moultre Allegro e con Sosp. (Bach); (Lohmann).

Second Movement, Adagio, Castelle (Beethoven), Third Movement, Allegro (Beethoven).

8.49 p.m.—FUTER and NEIDHAM, Tenor and Baritone: Frank Foster, Sielonia Denny (Grossman), Robert Neidham, Arietta (Hubb).

8.53 p.m.—STUDIO ORCHESTRA: "Jupiter Symphony," Part II. (Mozart).

9.12 p.m.—SIDNEY BURCHALL, Baritone: "I Know a Lovely Garden" (D'Harclole), "Thoughts From W. G. Lohmann."

9.20 p.m.—"CARDIAN," Mr. H. A. Wolfe, Sporting Editor of "The Argus" and "Australasian," will speak on Saturday's Races.

9.30 p.m.—COLLINGWOOD CITIZENS' BAND: "Sotto voce"—"Luna de Lamerzoum."

9.37 p.m.—REGINALD BRADLEY, Violin: "Scherzetto" (Lohmann), "The Girl with the Fuzzen Hair" (Deobony-Hartmann), "Hungarian Dance No. 7" (Brahms-Hofner).

9.32 p.m.—Meteorological Information; Road Notes, supplied by the Royal Automobile Club of Victoria.

10.5 p.m.—MR. A. W. JACKSON, Country Golf Week. "Comments on the Day's Play."

10.15 p.m.—STUDIO ORCHESTRA: "Song of the Rhine Daughters" (Wagner), "Swan Song."

10.19 p.m.—MR. C. J. WILLIAMS will speak on "To-morrow's Station Event."

10.23 p.m.—SIDNEY BURCHALL, Baritone: "After a Song Down Every Roadway" (Wood), "Come Bandolero" (Stewart).

10.31 p.m.—"ARGUS" News Service; British Office Wireless News.

10.46 p.m.—COLLINGWOOD CITIZENS' BAND: "Intermezzo, 'Dreamland Bells'" (Erdl Orlowsky, Mr. C. H. Bain), "Fox Trot, 'On the Riviera,'" "Scherzo, 'Carnegie'."

11.0 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE for today is: "MOTORISTS: Watch the flogging ahead. Be alert; stop suddenly. In stepping slow up gradually, throw out clutch, and ease on brake. Be a SAFE DRIVER."

11.1 p.m.—OUR GREAT THROAT: "Speak with contempt of no man. Every man is a leader, and a man of reputation. And every man hath a sting, which he may, if provoked too far, dart out at one time or other."—Barton.

11.17 p.m.—JOE ALMONSON AND HIS SYM-COPATING SYMPHONISTS.

11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Associated Radio Co.
Wave Length, 484 Metres.

Friday

MORNING NEWS SESSION

11 a.m. to 12 noon.

MIDDAY CONCERT SESSION.

12 noon to 1 p.m.

Transmitted from "Patrons' House, 211 Collins Street" (by exclusive permission of Wills and Paton, Ltd.), on the Brunswick Esplanade.

2.22 p.m.—Studio Orchestra.

2.30 p.m.—MR. ERNEST PETERIS, violinist: "First Movement of Concerto for Clarinet" (Verhey).

2.37 p.m.—Ayre Danzonella.

3.15 p.m.—MR. RONALD BROWNE, violin: "La Precieuse" (Couperin-Arcade).

3.18 p.m.—Studio Orchestra.

3.28 p.m.—Miss May Rickards, contralto: "I hid her love" (D'Harlole), "Sleep that saw in the night" (Stephenson).

3.45 p.m.—Ayre Danzonella.

4.0 p.m.—G.P.O. Clock says "Four."

4.1 p.m.—Second weather forecast.

4.4 p.m.—Interval Talk: Miss Emily Noble (Working Demonstrator of the Metropolitan Gas Company) will advise on "Steamer Fueling."

4.14 p.m.—Miss May Rickards, contralto: "Songs My Mother taught me" (Dvorak), "I will wait Thee" (Clack).

4.21 p.m.—Mr. Herbert Peteris, violin: "Hungarian Dance, No. 47" (Brahms).

4.25 p.m.—Ayre Danzonella.

4.35 p.m.—Studio Orchestra.

4.42 p.m.—"Physical Fitness" entertainment.

5 p.m.—G.P.O. Clock says "Five."
Came down.

CHILDREN'S SESSION.

5.15 p.m.—"The Fairyland Fes."

5.4 p.m.—Second weather forecast.

5.15 p.m.—G.P.O. Clock says "Five."
Came down.

EVENING SESSION.

7.30 p.m.—Mr. George Heattie, Principal of the Beattie College of Physical Culture:

"Physical Fitness," Special Review and Tips for To-morrow's Races.

7.58 p.m.—Market reports.

8.15 p.m.—Week-end Tropical Guide.

8 p.m.—G.P.O. Clock says "Eight."

8.1 p.m.—Miss Alice Heintz, contralto: "Ships of Asenay" (Head), "To the Forest" (Tschelkowsky).

8.7 p.m.—Miss Helen Hamerstein, violin: "Scherzo in D" (Brahms), "Hungarian" (Tschelkowsky).

8.14 p.m.—MR. LEO SHANNON, tenor: "You're Goin' to be a Doctor" from "La Boheme" (Puccini), "Wagner's Song" (Hoffe).

8.21 p.m.—Achromatocasts.

8.28 p.m.—MR. LAURISTON BURNETT, English humorist: "The Fat Man" (Lennard-Pennell), "The Sun will soon be shining" (Hill and Young).

8.34 p.m.—M. Goss and Betty Wainman and "Narcis" (Gardner), "Wasser" (Hoffe).

8.41 p.m.—REV. DR. BRAND, D.D., the noted international physicist engaged in his series of direct "Home Talks": "Fuzz" Talk, "Red Wood."

8.58 p.m.—MR. CHARLES TREWARTH, baritone: "Derwitzer Chorus and Glee" (Hamerstein), "In the Day" (Hoffe).

9.1 p.m.—Miss Alice Heintz, contralto: "Captain No. 18" (Puccini-Kramer), "Romance" (Laprovra).

9.3 p.m.—Radio Play: "Mother's Day Day" (Heath), "The Day After Tomorrow" written and produced by Miss Emma South, Characterist: Mrs. Heintz, Miss Emily South, "The Day After Tomorrow" by Miss Emma South, Mr. Heintz, Mr. Geoffrey Mack, Time: Morning. How a Husband keeps house during his wife's absence (Hoffe).

9.24 p.m.—MR. LEO SHANNON, tenor: "The Swift Flower" (Fitzgibbon), "The Brown Eyes I Love" (Goss).

9.31 p.m.—Miss Alice Heintz, contralto: "I hid her love" (D'Harlole), "Friend" (Hoffe).

9.38 p.m.—MR. LAURISTON BURNETT, English humorist: "Lorraine's Ball" (Amm), "The Scientific Man" (Gruvill), "Squawk guitar": "Luna de Lamerzoum" (Danzon), "Myself when Young" from "The Pagan Circus Circle" (Lohmann), "For the Great" (Lohm), "The Day After Tomorrow" (Hoffe).

9.45 p.m.—"The Age" News Bulletin exclusive to 3AR.

10.3 p.m.—DANCE HALL: Lepetit's Ballroom Orchestra (Danzon), Mr. Harry Nangle.

10.53 p.m.—To-morrow's entertainment.

10.58 p.m.—Weather forecast.

10.58 p.m.—Our Australian Good-night Thought: "And I love her beauty, this land of mine And I love the sheen of her sunny hair. Her features glow and her mouth is sweet—From A Song of the South (Willie H. Ogilvie).

11 p.m.—G.P.O. Clock says "Eleven."
"God Bless the King."

4QG, BRISBANE

Queensland Radio Service.
Wave Length, 385 Metres.

Friday.

MIDDAY SESSION.

1 p.m.—Market reports; weather information.

"The Daily Mail" and "The Daily Standard" news.

FROM HOTEL CARLTON:

1.20 p.m.—Lunch hour music played by Hotel Carlton Symphonic Orchestra.

FROM THE OBSERVATORY:

1.45 p.m.—"The Queensland Time Signal."

2 p.m.—Came down.

AFTERNOON SESSION.

THE ROYAL NATIONAL SHOW.

The presentation of trophies won at the Royal National Show, which will be made by the State Governor, Sir John Godwin, will be relayed from the grounds.

FROM THE QUEENSLAND BOUNDRIES:

2 p.m.—Presentation of trophies.

FROM HOTEL CARLTON:

2.40 p.m.—Afternoon tea music.

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

Delighted Users



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The cabinet, as shown above, is a masterpiece, size 26 x 18 x 17 inches, with a walnut finish. It has two compartments, one on each side, for the A and B batteries. The set is guaranteed to bring in all interstate stations; the illuminated drum control is particularly advantageous for indicating stations at night. A log is furnished with the set, giving the exact location on the drum that will bring in each particular station on a standard aerial.

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

FROM THE STUDIO—

- 8.15 a.m.—"The Telegraph" news.
- Close down.
- EARLY EVENING SESSION.
- 6 p.m.—"Daily Standard" news; weather information; announcements.
- 6.30 p.m.—Bedtime stories by "The Bandman."
- 7 p.m.—Market reports; stock reports.
- 7.30 p.m.—Weather news; announcements; "Daily Standard" news.
- 7.45 p.m.—Standard time signal.

NIGHT SESSION.

W.A.S. MUSIC CLASS.

The Workers' Educational Association's Tutorial Classes in Music are being held this season in the reception hall at 40G, and are being conducted by Mr. George Sampson (Musical Adviser, Department of Public Instruction); Lecturer in Music, Teachers' Training College).

The object of holding the classes at 40G is to conduct both the lectures and the music, and to make available to a large audience the educational matter placed before the students. The classes will extend over a period and will be held each Friday night.

The ordinary lecture, which is usually given at 7.45 p.m. will be dispensed with, and the classes will begin at that hour.

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

FROM THE RECEPTION HALL—

- 7.45 a.m.—W.A.S. Music Class.
- FROM THE STUDIO—
- 8 a.m.—Metropolitan Weather forecast.
- Weekend road information for motorists, officially supplied by the Royal Automobile Club of Queensland.

STUDIO CONCERT.

- 8.15 p.m.—Waltz, "Summer Secrets" (Lambert), the Galets Theatre Orchestra; contralto solo, "I Ran Me Low" (D'Harlede); Miss Dorothy Brown; rag, "U Se Ze" (Hatchler), the Galets Theatre Orchestra; soprano solo, "Duckbill"; Mrs. Thelma Champion, a thought for tonight (W.H. H. Lister), "Wings" soprano solo, "Calling Me Home to You," Miss Vera Breckwith; tenor solo, "Maiden's" (Took), Mr. Roy Daniels; Orchestra, "Bourgeois Blues" (Gardner), the Galets Theatre Orchestra; soprano solo, "Three Green Bonnets" (D'Harlede), Mrs. Thelma Champion; Intermission; "The Bachelor" (Lambert), the Galets Theatre Orchestra.
- FROM THE STUDIO—
- 10 p.m.—"The Daily Mail" news; weather news; football news.

5CL, ADELAIDE

Central Broadcasters, Ltd. Wave Length, 395 Metres.

Friday

- MORNING SESSION.
- 12 news to 2 p.m.
- AFTERNOON SESSION.
- 2 p.m.—Chimes.
- 2.1 p.m.—Rally from the Maple Leaf Cafe—Orchestra selections.
- 2.45 p.m.—From the Studio. Mixed items.
- 3 a.m.—Chimes.
- 3.1 p.m.—Rally from the Arcade Cafe—Orchestra selections. Viscount, Miss Grace Champion.
- 3.45 p.m.—Station announcements.
- 4 p.m.—Chimes.
- EVENING SESSION.
- 4 p.m.—Chimes.
- 4.15 p.m.—Rally from the Cresent Gardens Restaurant—Orchestra selections.
- 4.35 p.m.—Bedtime stories by Auntie Peggy and Uncle Mike.
- 4.45 p.m.—Running time of the East West Express.
- 4.55 p.m.—Bedtime stories continued.
- 5.25 p.m.—Messrs. R. C. Ward and Co.'s Stock Exchange Intelligence.
- 5.35 p.m.—Market reports by Messrs. A. W. Sandford & Co., A. K. Hall & Co., Dunlop & Co., E. A. Farmers Co-operative Union, Taylor Bros., Retail Grocers' Association, and How's Fish Market Reporters.
- 5.55 p.m.—Sporting talk by "Whisper."
- 7.50 p.m.—Football talk by "Highmark."

- 5 p.m.—Chimes.
- 5.1 p.m.—Studio Orchestra.
- 5.10 p.m.—Yon Grodz in Society entertainment.
- 5.25 p.m.—Studio Orchestra.
- 5.35 p.m.—Misty Brown, violin; "Grapes Alla Tarantella."
- 5.50 p.m.—Yon Grodz in songs at the piano.
- 5.55 p.m.—Studio Orchestra.
- 6 p.m.—Doris Melrose, soprano. Selected.
- 5.45 p.m.—Misty Brown, violin; "Andante from Seta."
- 5.55 p.m.—Yon Grodz sings at the piano.
- 6.1 p.m.—Studio Orchestra.
- 6.1 p.m.—Weather report and forecast.
- 6.5 p.m.—Studio Orchestra.
- 6.17 p.m.—Doris Melrose, soprano.
- 6.25 p.m.—Agricultural talk under the auspices of the Agricultural Society, Mr. D. F. Laurie (Government Poultry Expert).
- 6.35 p.m.—Ben. Fraser, comedian. Selected.
- 6.44 p.m.—Studio Orchestra.
- 6.54 p.m.—Dorothy Smart, contralto. Selected.
- 6.57 p.m.—"Advertiser" News Service Wireless Shipping Window's Sporting Service.
- 7.15 p.m.—Studio Orchestra.
- 7.25 p.m.—Dorothy Smart, contralto. Selected.
- 7.35 p.m.—Bunally Short, contralto. Selected.
- 7.40 p.m.—Studio Orchestra.
- 7.55 p.m.—Ben. Fraser, comedian. Selected.
- 8 p.m.—Studio Orchestra's programme, station announcements, Weather Bulletin, National Anthem.

7ZL, HOBART Tasmanian Broadcasters, Ltd. Friday.

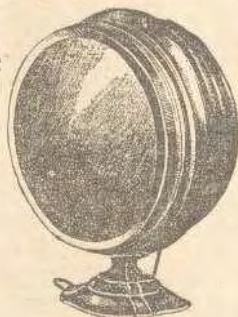
- MORNING SESSION.
- 11 a.m. to 12 noon.
- AFTERNOON SESSION.
- 2 p.m.—G.P.O. Clock chimes.
- 2.1 p.m.—Tune id selections.
- 2.30 p.m.—Hobart Stock Exchange quotations.
- Weather information, items of interest—announcements.
- 3.15 p.m.—Musical items from the studio.
- 3.20 p.m.—Broadcast by direct wire from North Hobart Oval Eye-witness description of Interstate Schools' Football Carnival Match, Tasmania versus Queensland, by "Dialist."
- EARLY EVENING SESSION.
- 6.00 p.m.—Children's Corner with the "Radio Lady."
- 7.15 p.m.—Young Folks gardening chat by Mr. George Nelson.
- NIGHT SESSION.
- 7.30 p.m.—Fruit, Poultry and produce reports through the courtesy of Roberts and Co. Ltd., Murray Street Hobart.
- 7.45 p.m.—Gardening talk by Mr. G. Nelson—Glen Myrtles' Cantatas.
- 7.55 p.m.—"Mercury" special Tasmanian news service. Railway weather produce sales. Weather forecasts, Hobart Stock Exchange quotations. Sports Budget supplied by Mr. B. N. Neuman, of Hobart Sports Depot, Hobart.
- 8 p.m.—G.P.O. Clock and chimes.
- 8.1 p.m.—Concert broadcast by direct wire from Lyceum Club, Macquarie Street, Hobart.
- 8.15 p.m.—Chat on Saturday's Football match by "Gummy" Mark.
- 8.40 p.m.—British Official Wireless news.
- 8.55 p.m.—"Mercury" special interstate news service. Ships within wireless range, Tasmanian District Weather reports.
- 9 p.m.—Weather forecasts, Travelers' weekend information, Station announcements, National Anthem.

Saturday, Aug. 13 2FC, SYDNEY

- EARLY MORNING SESSION.
- 7 a.m.—"Big Ben" and programme announcements.
- 7.5 a.m.—Studio music.
- 7.15 a.m.—COUNTRY SESSION. Official weather forecast, rainfall, temperature, astronomical memoranda, shipping intelligence, mail services.

- 7.25 a.m.—Investment market, mining share market, metal quotations.
- MORNING SESSION.
- 7.45 a.m.—W.A.S. music, broadcasts to markets, interstate markets, produce markets.
- 7.48 p.m.—"Sydney Morning Herald" summary.
- 8 a.m.—"Big Ben" Close down.
- MORNING SESSION.
- 10 a.m.—"Big Ben" and announcements.
- 10.15 a.m.—"Sydney Morning Herald" news service.
- 10.25 a.m.—Studio music.
- 10.35 a.m.—Talk by the JFC Racing Commission.
- 10.45 a.m.—Studio music.
- 10.55 a.m.—Studio music.
- 11 a.m.—"Big Ben" Studio music.
- 11.15 a.m.—A.P.A. and Reuter's Cable Service.
- 11.30 a.m.—Studio music.
- 11.45 a.m.—A talk on Gardening by Mr. G. J. Locking ("Beetwig").
- 11.55 a.m.—Close down.
- MIDDAY AND AFTERNOON SESSION.
- 12 noon—"Big Ben" and announcements.
- 12.15 p.m.—Stock Exchange, Brix call.
- 12.3 p.m.—Studio music.
- 12.45 p.m.—"Sydney Morning Herald" news. Daily wireless news.
- 12.55 p.m.—Studio music.
- NOTE: Race descriptions and results will be given direct from the Metropolitan Racing Club's Meeting throughout the afternoon. A full description of the Australian Oaks Football Match: CARLTON versus GEelong, will be given direct from the Sydney Cricket Ground.
- During intervals of racing and football descriptions, the CRYSTAL PALACE THEATRE ORCHESTRA and the WESTWORTH SYMPHONIC DANCE ORCHESTRA will be heard.
- 1 p.m.—"Big Ben." Weather Intelligence.
- 1.5 p.m.—Evening News' midday news service.
- 1.55 p.m.—Studio music.
- THE WESTWORTH SYMPHONIC DANCE ORCHESTRA, conducted by Mr. Cyril Jones.
- 4.30 p.m.—Complete resume of the day's sporting events.
- 5 p.m.—"Big Ben" Close down.
- EARLY EVENING SESSION.
- 6.45 p.m.—"The Chimes of JFC.
- 6.50 p.m.—"The Hello Man" talks to the club down.
- 6.55 p.m.—Story time for the young folk.
- 7 a.m.—Dinner Music.
- 7.1 p.m.—"Big Ben" Late sporting news.
- 7.15 p.m.—Weather Intelligence.
- 7.15 p.m.—"Evening News" late news service.
- NIGHT SESSION.
- 7.35 p.m.—Programme announcements.
- 7.41 a.m.—THE BONDI BEACH CONCERT BAND: (a) March, "Eleanora" (Blumen); (b) Overture, "The Village Idiot" (Blumen).
- 8 a.m.—"Big Ben." "Is D'Yore Divinity?"
- 8.3 p.m.—THE BONDI BEACH CONCERT BAND: (a) Waltz, "Fantasies" (Waltzhafer); (b) "Where shall I go?" (Moré).
- 8.15 p.m.—THE BONDI BEACH CONCERT BAND, "Our Miss Gibbs" (Mowbray).
- 8.30 p.m.—AD CREE and his "MERRY MAKERS"; Opening Chorus, "Here We Are" (THE COMPANY).
- 8.35 p.m.—JENNIE CREE and AD CREE: Humorous talk, "Will you sing this little Song?"
- 8.45 p.m.—E. A. BARTLEMAN, baritone: "Prize of Traverses" (Lockhead).
- 8.55 p.m.—FRED GOUGH: Songs and Stories at the Piano.
- 9.15 p.m.—MABEL LATHURLOU, soprano: "Patti Waltz Song" (Lathurlo).
- 9.45 p.m.—JENNIE CREE: Scotch Character Sketch, "Education" (Cree).
- 9.55 p.m.—Carnet solo: "Ebbings" (Cree).
- 10 p.m.—"Big Ben." THE HONOLULU TRIO, international Hawaiian Melodies.

As you would hear
if you were there



RCA Loud Speaker Model 100 has introduced a new realism into radio. It has brought to Loud Speaker reproduction the clearness and precision of headphone-reception.

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GENERAL ELECTRIC
Australian General Electric Company, Ltd



93-95 CLARENCE STREET, SYDNEY

Newcastle:

Canberra:

53 KING STREET. : : : CIVIC CENTRE.

9.8 p.m.—AD CREE, humorous songs: "Grandfather's Whiskers."

9.9 p.m.—MAHEL BATHCHELOR, soprano, and R. A. BATHLEMAN, baritone. Duet, "Vocalion Song" (Wetson).

9.12 p.m.—AD CREE and FRED GOOCH: "The Doctor and His Patient."

9.18 p.m.—THE HONOLULU TRIO. Hawaiian Instrumentals.

9.24 p.m.—HUMPHREYS SONG and CHORUS: "Hoochie." AD CREE and COMPANY.

9.28 p.m.—Phonograph "Dost-night" (Cree). THE COMPANY.

9.30 p.m.—THE BONDI BEACH CONCERT BAND:

(a) Fantasia, "Halmora" (Greenwood).

(b) March, "Gonstitution" (Clark).

9.47 p.m.—MAIDA JONES, soprante: (a) "Mama Go Bye-Bye." (b) "Somercher."

9.55 p.m.—FRED GOOCH, songs and stories at the Piano.

9.58 p.m.—"Big Ben."

R. A. BATHLEMAN, baritone.

9.5 p.m.—THE HONOLULU TRIO: Hawaiian Instrumentals.

10.12 p.m.—MAHEL BATHCHELOR, soprano.

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

10.24 p.m.—MAIDA JONES, soprante.

10.28 p.m.—THE HONOLULU TRIO: Hawaiian Instrumentals.

10.36 p.m.—Celebrity Recital.

10.40 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA.

10.57 p.m.—Local news and announcements.

11 p.m.—"Big Ben."

THE WENTWORTH SYMPHONIC DANCE ORCHESTRA, under the baton of Mr. Cyril Kaye, in popular numbers until 11.45 p.m.

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

2BL, SYDNEY

Saturday.

EARLY MORNING SESSION.

7 a.m.—G.P.O. clock and chimes. Metropolitan weather forecast.

7.8 a.m.—State weather report.

7.8 a.m.—News from "Daily Telegraph Pictures."

7.16 a.m.—G.P.O. clock and chimes. Fruit market report.

7.18 a.m.—Vegetable market report.

7.20 a.m.—Australian Mesquite, Land, and Finance Co.'s report.

7.24 a.m.—Dairy and farm produce market report.

7.28 a.m.—Poultry market report.

7.30 a.m.—G.P.O. clock and chimes. Musical programme from the Studio.

7.36 a.m.—News from "Daily Telegraph Pictures."

7.41 a.m.—Boats in call by wireless.

7.43 a.m.—Mail and shipping news. Shipping arrivals and departures and port directory.

7.45 a.m.—G.P.O. clock and chimes. Close down.

MORNING SESSION.

11 a.m.—G.P.O. clock and chimes. Musical programme from the Studio.

11.30 a.m.—Social news, by Mrs. Jordan. Talk on "Sweet Making," by Phyllida.

AFTERNOON SESSION.

12 noon.—G.P.O. clock and chimes. Special ocean forecast and weather report.

12.4 p.m.—News from the "Sun."

12.15 p.m.—Sporting and athletic fixtures.

12.18 p.m.—What's on at the pictures and theatre.

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

12.40 p.m.—News from the "Sun."

12.50 p.m.—Racing programme.

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

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

1.10 p.m.—Sporting talk and athletic fixtures for the day, lacrosse, hockey, tennis, football, sailing, boating.

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

1.30 p.m.—G.P.O. clock and chimes. Talk to children and special entertainments for children in hospital.

1.40 p.m.—G.P.O. clock and chimes. Serial story.

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

2.26 p.m.—Racing programme.

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

During the afternoon sporting information will be broadcast by courtesy of the "Sun," interspersed with musical items and broadcasting of football matches.

4 p.m.—G.P.O. clock and chimes.

4.40 a.m.—Close down.

EARLY EVENING SESSION.

4.45 p.m.—G.P.O. clock and chimes. Uncle George and the kiddies.

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

7.18 p.m.—Results of all sporting information, including racing, bowls, tennis, athletics by courtesy of the "Sun."

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

EVENING SESSION.

8 p.m.—G.P.O. clock and chimes. Broadcaster's Topical Chorus.

8.15 p.m.—Sporting programme. Musical items from the Studio by the following artists:

Miss Elsa Drummond, soprano.

Professor Hual Washburn, tenor.

King's Mandolin Orchestra.

10.15 p.m.—The Ambassador's Dance Band broadcast from the ballroom of the Ambassador. During intervals between dances, "Big Ben" news will be broadcast.

12 midnight.—G.P.O. clock and chimes. National Anthem.

3LO, MELBOURNE.

Saturday

MORNING SESSION.

11 a.m.—STUDIO ORCHESTRA: "La Boutique Fantasme," "Rosini-Rosini."

11.10 a.m.—CARLINE RIDGE, piano: Three Masses Melodius.

11.18 a.m.—Soprano (Meredith).

Melody (Schubert). Translated (Dremond), (Johnson).

Concert Study No. 1 (Liszt).

11.23 a.m.—A. G. SPEY, comedian: "The Oat-jigger Family."

"Epinha."

11.28 a.m.—STUDIO ORCHESTRA: "Vive la Danse" (Finch).

11.36 a.m.—LESLIE ELLIOTT, comedienne: "Three Little Hairs" (Butter).

"It's Hard to be a Lady all the Time" (Hilbert).

11.40 a.m.—STUDIO ORCHESTRA: "Liebestraum" (Liszt).

"Bonnani" (Tschelchewsky).

12 noon.—Time signal. Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. British official wireless news from Rugby. Bowler's and the Australian Press Association cables. "Argus" news service.

12.20 p.m.—MILDRED and CONNIE: "Harvest Moon."

Piano solo, "Chopin's 1st Ballade."

Harp and Violin, "Performance of the Pace."

12.30 p.m.—STUDIO ORCHESTRA: "Three African Dances."

12.40 p.m.—Stock Exchange information.

12.48 p.m.—SIDNEY BURCHALL, baritone: "Selection of the Lines" (Squibb).

"Mistress of the Madder" (Phillips).

12.52 p.m.—ESTATION TRIO: "Flower Song" ("Carmen"), (Gounod), "Ave Maria" (Gounod).

1 p.m.—Description of CARNIVAL FOOTBALL MATCH, NEW SOUTH WALES v.

WINNERS of the first match, by Mr. Rod McGregor, from M.C.G.

1.10 p.m.—Meteorological information. Shipping intelligence. Weather forecast for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecasts. River reports. Rainfall for Victoria, Tasmania, South Australia and N.S.W.

1.18 p.m.—Description of BARRHALL, RICHMOND v. SOUTH MELBOURNE, at Richmond, by Mr. Percy Steel.

1.25 p.m.—STUDIO ORCHESTRA: "Gipsy Love" (Lehar).

1.30 p.m.—Description of Arkansas Hoops, two miles one morning 40 yards, V.A.T.C. CAULFIELD, by "Musket," of the "Sporting Globe."

1.35 p.m.—Description of CARNIVAL FOOTBALL MATCH, NEW SOUTH WALES v. WINNERS of the first match, by Mr. Rod McGregor, from M.C.G. Final time.

1.43 p.m.—Description of BARRHALL, RICHMOND v. SOUTH MELBOURNE, at Richmond, by Mr. Percy Steel.

1.45 p.m.—STUDIO ORCHESTRA: "March Plate" (Mozart).

1.51 p.m.—Description of CARNIVAL FOOTBALL MATCH, NEW SOUTH WALES v. WINNERS of the first match, by Mr. Rod McGregor, from M.C.G. Half time.

2.10 p.m.—Description of BARRHALL, RICHMOND v. SOUTH MELBOURNE, at Richmond, by Mr. Percy Steel.

2.20 p.m.—Description of Australian Hoops, one mile, V.A.T.C. Caulfield, by "Musket," of the "Sporting Globe."

2.30 p.m.—Description of CARNIVAL FOOTBALL MATCH, NEW SOUTH WALES v. WINNERS of the first match, by Mr. Rod McGregor, from M.C.G. Three-quarters time.

2.40 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—Description of Australian Hoops, one mile, V.A.T.C. RACES, CAULFIELD, by "Musket," of the "Sporting Globe."

3.30 p.m.—Description of CARNIVAL FOOTBALL MATCH, NEW SOUTH WALES v. WINNERS of the first match, by Mr. Rod McGregor, from M.C.G. Three-quarters time.

3.40 p.m.—Close down.

3.5 p.m.—Description of CARNIVAL FOOTBALL MATCH, NEW SOUTH WALES v. WINNERS of the first match, by Mr. Rod McGregor, from M.C.G. Final news.

3.15 p.m.—JOE ARMBRON and HIS SYNOPTIC PATENT SYMPHONISTS: "Sam," "The Old Arragon Man" (Donatoni).

"The More We Are Together" (Campbell).

3.26 p.m.—Description of CARNIVAL FOOTBALL MATCH, NEW SOUTH WALES v. LOSERS of the first match by Mr. Rod McGregor, from M.C.G.

3.30 p.m.—JOE ARMBRON and HIS SYNOPTIC PATENT SYMPHONISTS: "Sundar" (Miller).

"Hello, Little Girl of My Dream" (Dob).

3.40 p.m.—Description of Ballarat Stakes, one mile three furlongs, V.A.T.C. RACES, CAULFIELD, by "Musket," of the "Sporting Globe."

3.45 p.m.—LIEUT. HAAKON QVILBER, famous Norwegian pianist, will give an afternoon at Essendon, which will be fully described.

3.50 p.m.—Description of Interstate Lacrosse match, SOUTH AUSTRALIA v. VICT. at Madder, Grindel, Ground, described by Mr. J. Beatty, ex-Interstate Lacrosse Player.

4 p.m.—Description of CARNIVAL SHOOTING MATCH, VICTORIA v. LOSERS of first match, by Mr. Rod McGregor, from M.C.G. Quarter time.

4.10 p.m.—JOE ARMBRON and HIS SYNOPTIC PATENT SYMPHONISTS: "Let's All Hurray For" (Ross).

"Climbing Up the Ladder of Love."

4.15 p.m.—Description of Kewdale Hoops, 2 miles, V.A.T.C. RACES, CAULFIELD, by "Musket," of the "Sporting Globe."

4.20 p.m.—Description of Interstate Lacrosse match, SOUTH AUSTRALIA v. VICTORIA, at Madder, Grindel, Ground, described by Mr. J. Beatty, ex-Interstate Lacrosse Player.

4.30 p.m.—Description of CARNIVAL SECOND GAME, VICTORIA v. LOSERS of first match, by Mr. Rod McGregor, from M.C.G. Half time.

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4.10 p.m.—**JOE ARONSON and HIS SYNCOPATING SYMPHONY:**
 "The Original Black Bottom" (Hindemith),
 "I Didn't Know" (Berlioz),
 "Bitterness" (Liszt).

4.19 p.m.—Description of **MR. BOB McLEVER**, 1 mile 1 furlong N.A.T.C. **RACES**, at **CAULFIELD**, by "Minkie", of the "Herald" office.

4.24 p.m.—Description of **CARNIVAL REG. ONE** **MATCH, VICTORIA V. LOBBERS** of first match, by Mr. Rod McKeever, from M.G.G. Three-quarter time.

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

4.16 p.m.—Description of **CARNIVAL REG. ONE** **MATCH, VICTORIA V. LOBBERS** of first match, by Mr. Rod McKeever, from M.G.G. Final score.

4.29 p.m.—Close down.

EVENING SESSION.

4.40 p.m.—A **Harmony** Trip to the Magic Cave, with **"WONDERLAND ALICE."**
THE ROYAL AUTOMOBILE CLUB OF VIC. SAFETY MESSAGE FOR TO-DAY.
 "SAFE FOR EVERYBODY."
 "Safety ever, accidents never. Safety first, doctors and undertakers last. Safest! This is nothing but just good."
 4.10 p.m.—**FIADA NORTHOTE** will sing two **Hills** songs.

4.17 p.m.—**CAPTAIN DONALD McLEAN** "Pirates and Moro Pirates."

4.30 p.m.—"Herald" news service. Weather reports, shipping movements.

4.42 p.m.—Stock Exchange reports.

4.47 p.m.—**Flap market** reports by J. R. Burnett, Ltd. Rabbit prices.

4.50 p.m.—River reports.

4.53 p.m.—Market reports. Official report of Newmarket sheep sales, by the Associated Stock and Station Agents, Bourke Street, Melbourne. Poultry, grain, hay, straw, jute, dairy produce, potatoes, and onions.

7.1 p.m.—Market reports on fruit by the Victorian Fruitgrowers' Association, compiled by the "Fruit World."

NIGHT SESSION.

7.15 p.m.—**MR. A. KAY**, Australian Feather-weight Champion, and holder of 12 championship titles, will speak on:
 "Victorian Boxing and Wrestling Championships."

7.30 p.m.—**MR. E. E. PESCOTT:**
 "Australian J.C. Abbotts and Lilies"

7.45 p.m.—**MR. C. KILBE** will speak on:
 "Gallipoli."

8.0 p.m.—**COBURG CITY BAND**, Conductor, T. B. Davison:
 March, "King of the Air" (Harclo),
 Fox trot, "Song of the Wagoner."

8.10 p.m.—**MELBOURNE CHORAL UNION**, Conductor, Wm. G. James:
 "Blame of a Summer Night" (Bishop),
 "Irish Tune from County Derry" (Arr. Grougier),
 "Annie Laurie."

8.15 p.m.—**COBURG CITY BAND:**
 "Ambush March".

8.20 p.m.—**MR. J. M. TRAVENCO:** (Hobart),
 "Over the Dramatist Sea" (Phillips),
 "The Star" (Harclo).

8.25 p.m.—**COBURG CITY BAND:**
 "Ambush March".

8.45 p.m.—**A. G. SPRY:**
 "Don't Eat Bananas with the Skin On,"
 "Adverts."

8.50 p.m.—**FRANCIS COUCHMAN** will speak on:
 "The Game Hunting in India."

8.55 p.m.—**COBURG CITY BAND:**
 Entrance, "Evening Star" (Himmels),
 8.55 p.m.—**LESLIE KILLOTT**
 "A Little More Soda in Mine" (Weston and Lee),
 "Etophas" (Weston and Lee).

9.05 p.m.—**AGNES FAYLINE**, piano:
 "The Dancing Doll" (Hobart).

8.52 p.m.—News service.

12 p.m.—**COBURG CITY BAND:**
 March, "The Infantry" (Code),
 Descriptive Fantasia, "Fox and Hounds" (Hawkins),
 March, "Viscount Nelson" (Zehle).

10.10 p.m.—**A. G. SPRY**, comedian:
 "The Weather,"
 "I Want to Have a Look at You,"
 10.20 p.m.—**COBURG CITY BAND:**
 Fantasia, "Sunny Land" (Laurent),
 10.30 p.m.—**LESLIE KILLOTT**, comedian:
 "Keep Your Fingers" (L. Elliott),
 "Could Lloyd George Do It" (Weston and Lee).

10.35 p.m.—**MR. A. W. JACKSON:**
 Country Golf Week—Comments on the day's play.

10.44 p.m.—Late evening results.

10.55 p.m.—**SIDNEY BURHALL:**
 "Because I Love You" (Berlioz),
 "I'm Off in the Macker" (Aronoff).

11 p.m.—**THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY** is for **EVERYBODY:**
 "Safety ever, accidents never. Safety first, doctors and undertakers last. Safest! There is nothing but just good."
OUR GREAT THOUGHTS, also on safety:
 "Danger comes the more when it is disguised" (Sykes),
 "Man is never watchful enough against dangers that threaten him every hour" (Hoozee).

11.3 p.m.—**JOE ARONSON and HIS SYNCOPATING SYMPHONY:**
 11.40 p.m.—**GOD SAVE THE KING.**

3AR, MELBOURNE

Saturday.

MORNING NEWS SESSION,
 11 a.m. to 12 noon.
MIDDAY CONCERT SESSION.

12.1 p.m. to 1.1 p.m.
MATINEE SESSION
ORCHESTRAL CONCERT.

2.30 p.m.—Studio Orchestra.
 2.42 p.m.—The Melodique Four Quartet Party:
 "The Coolidge" (Bridge).
 2.46 p.m.—Studio Orchestra.
 2.50 p.m.—The Melodique Four Quartet Party:
 "Must I then part from Thee" (Otto).
 2.54 p.m.—Studio Orchestra:
 "Lullaby Song" (Gumpel).
 2.10 p.m.—Mr. Ronald Hensley, solo:
 "Larghetto" (Händel).
 3.30 p.m.—Studio Orchestra:
 "Serenade" (Antonini) (Chaminade).
 3.35 p.m.—Mr. William Danes and Mr. Ralph Thompson:
 Duet, "The Moon hath raised" (Benedict).
 3.42 p.m.—Studio Orchestra:
 Suite, "Duo Quatre" (Bischoff).
 3.44 p.m.—Mr. Herbert Pettifer, violin:
 "Minuet" (Mozart).
 3.48 p.m.—Studio Orchestra.
 3.52 p.m.—G.P.O. Clock says "Four."
 4.1 p.m.—The Melodique Four Quartet Party:
 "Robin Adair" (Wicks) (Recent).
 4.15 p.m.—Studio Orchestra.
 4.19 p.m.—The Old Folks' (Arr. Lake).
 4.30 p.m.—The Melodique Four Quartet Party:
 "My Love is Like a Red, red rose" (Bantock).
 4.35 p.m.—Studio Orchestra:
 Suite Indian, "Suite Orientale" (Popp).
 4.38 p.m.—The Melodique Four Quartet Party:
 "Swing a lone a lone" (Kwartz).
 4.42 p.m.—Studio Orchestra.
 4.45 p.m.—"To-night's Entertainment."
 3 p.m.—G.P.O. Clock says "Five."
 Close down.

CHILDREN'S SESSION.

4.30 p.m.—"Uncle Mac" Entertainment.
EVENING SESSION.

BAND CONCERT.
 7.50 p.m.—"To-night's Entertainment" by Mr. W. R. Warner (President of the Victorian Nursery-maids and Seaman's Association of Victoria).
 7.55 p.m.—Market reports. Notes.
 To-day's sporting results.
 9 p.m.—G.P.O. Clock says "Eight."
 8.5 p.m.—Melodique City Band (Bandmaster, Mr. Edward Brine, B.A., who will also act as pianist, accompanied by the right):
 March, "Alois-de-Camp" (Himm).
 8.8 p.m.—Mr. Percy Rhindell, tenor:
 "My Dreams" (Tooni),
 "Just a cottage small" (Hanley).

8.15 p.m.—Mr. Norman J. Heyman, solo:
 "The Song of Malach" (Henry Lawton).
 8.23 p.m.—Band:
 Selection, "La Traviata" (Verdi).
 8.25 p.m.—Miss Elma Nicolson, soprano:
 "Morning" (Harclo),
 "Dawn" (Harclo) (Harclo),
 8.45 p.m.—Mr. Ronald Hensley, Australian comedian:
 "Hollywood's Charming" (Gandy),
 "When the Glass came to Town" (Weston and Lee).
 8.52 p.m.—Band:
 "Freddy, Maudie Lark" (Harclo).
 8.55 p.m.—Instrumental Trio, Cornet and Horns:
 "Lullaby" (Hobart).
 9 p.m.—Solo Play: "Mr. Humble and Mrs. Derris" (Hobart).
 9.05 p.m.—Band:
 "Lullaby" (Hobart).
 9.10 p.m.—Band:
 "The Barber" (John Galworthy).
 9.20 p.m.—Miss Elma Nicolson, soprano:
 "Morning" (Harclo),
 "Tip Top" (Garcia).
 9.30 p.m.—Band:
 March, "Jack o' Lantern" (Himm).
 9.40 p.m.—Mr. Ronald Hensley, Australian comedian:
 "Mr. Bone" (Hann),
 "Dicker" (Nugent).
 9.47 p.m.—Mr. Percy Rhindell, tenor:
 "Lullaby" (Harclo),
 "A Little Woe" (Hobart).
 9.54 p.m.—Band:
 "Freddy," "The Snow Midge" (Himm).
 10 p.m.—G.P.O. Clock says "Ten."
 10.1 p.m.—Dance, Harp, Organ, Bellows Orchestra (Director, Mr. Harry Naught).
 10.15 p.m.—Weather forecast.
 10.20 p.m.—Our Australian Good-night Thoughts:
 "I have lived my life, and I'll not regret it. As I loved I was bound to trust. Then measure me out O Mountain Top, Twenty gallons of bliss."
 —From "Twenty Gallons of Bliss" (Agnes L. Stearns).
 10.30 p.m.—G.P.O. Clock says "Eleven."
 "Good Save the King."

4QG, BRISBANE.

Saturday.

MID MIDDAY TRANSMISSION.
AFTERNOON SESSION.

The interests athletic competition will be relayed from the Exhibition Ground—
FROM THE EXHIBITION GROUND—
 2.30 p.m.—Athletic contests.
 4.30 p.m.—Close down.

EARLY EVENING SESSION.

6.40 p.m.—Bedtime stories by Uncle Ben.
 7.10 p.m.—Bedtime reading.
 7.20 p.m.—Bedtime football play described.
 7.30 p.m.—Sailing news by Mr. F. Smith.

NIGHT SESSION.

THE RICHMOND PARTY.
 The first portion of to-night's programme will be provided by "The Richmond Party."

FROM THE STUDIO.

8 p.m.—Instrumental trio, "Turkish March" (Bethoven), Mr. Jack Ellis, Miss E. Bennett and Mr. Max Aronson; mezzo-soprano solo, "Homing" (Dr. Beethoven), W. V. Hamilton; violin solo, "Lovers' Fare" (Kreutzer), Mrs. Elma Bennett; vocal duet, "In the Spring" (Newton), Mr. Hamilton and Mr. Max Aronson; pianoforte solo, "At the Donnybrook Fair" (Scott), Mr. Jack Ellis; baritone solo, "Morning" (Ory Brown); Mr. Max Aronson; mezzo-soprano solo, "Faded" (From "Donkeys" (Lobmann), Mrs. W. F. Hamilton; violin solo, "Spanish Dance" (Mozzart), Mr. Max Aronson; vocal duet, "The Angel" (Rubinstein), Mrs. W. F. Hamilton and Mr. Bennett; pianoforte solo, "Fountain Impromptu" (Chopin), Mr. Jack Ellis; baritone solo, "Sincerity" (Clarke), Mr. Max Aronson; instrumental trio, "Balu d'Amour" (Egari).

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THE MASTER VALVE

Mr. Jack Hills Miss H. Bennett and Mr. Max Aronstein.
LENNON'S HALLROOM.
FROM LENNON'S HALLROOM—
9.10 p.m.—Dance music.
10 p.m.—The Sunday Mail news, weather news.
Close down.

SCL, ADELAIDE.

Saturday

MORNING SESSION.

11 a.m.—Chimes.
11.15 a.m.—Musical items.
11.30 a.m.—Advertiser news service.
11.45 a.m.—Musical items.
12 noon.—Chimes.

AFTERNOON SESSION.

1 p.m.—By kind permission of the Kadina Racing Club a running description will be given by Mr. Arnold Treloar Treloar. During the afternoon a description of the Charzy Carnival will be broadcast from the Adelaide Oval also a description of the reception will be relayed from the balcony of the Adelaide Town Hall. Interstate League Football results.
4.30 p.m.—(A. G. O.). Close down.

EVENING SESSION.

5 p.m.—Chimes.
6.1 p.m.—Relay from the Devon Garden Restaurant—Orchestral selections.
6.30 p.m.—Boatrace stories by Uncle Jack and Uncle Radio.
7.20 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.
7.30 p.m.—Market Reports by Messrs. A. W. Sandford and Co., A. E. Hall and Co., Hargett and Co., S. A. Parsons Co-operative Cash, and the Retail Grocers Association.
7.55 p.m.—General sporting results and result of Charzy Carnival.
8.10 p.m.—Chimes.
8.15 p.m.—From the Studio, Laurence Haggitt, pianist.
8.4 p.m.—Smith and Dikoe, banjoists. Selected.
9.12 p.m.—Green Collett, contralto. Selected.
9.16 p.m.—Laurie Daley.
9.18 p.m.—Laurence Haggitt, Pianoforte Solo.
9.21 p.m.—Green Collett, contralto.
9.25 p.m.—Relay the Maison Glenzig the Maison De Danes Band.
9.55 p.m.—Cora Guster, soprano.
9 p.m.—Chimes.
9.1 p.m.—Weather report.
9.2 p.m.—Dagmar's wheat report.
9.3 p.m.—Relay from the Glennie Malson De Danes-Dance Music.
9.20 p.m.—From the Studio, Gerald Baxby, tenor. Selected.
9.25 p.m.—Relay from the Glennie Malson De Danes-Dance Music.
9.45 p.m.—From the Studio, Cora Guster, soprano. Selected.
9.50 p.m.—Relay from the Glennie Malson De Danes-Dance Music.
10.1 p.m.—General sporting information. Results of the Charzy Carnival.
10.15 p.m.—Laurence Haggitt, Pianoforte solo. Selected.
10.20 p.m.—Smith and Dikoe, banjoists. Selected.
10.27 p.m.—Gerald Holly, tenor. Selected.
10.31 p.m.—Relay from the Glennie Malson De Danes Music.
10.41 p.m.—Cora Guster, soprano. Selected.
10.45 p.m.—Relay from the Glennie Malson De Danes-Dance Music.
11.00 p.m.—Concor's programme Station Announcements. Weather report, National Anthem.

7ZL, HOBART

Saturday

MORNING SESSION.

11 a.m. to 12 noon.

AFTERNOON SESSION.

2 p.m.—G.P.O. Clock Chimes.
2.15 p.m.—Broadcast by direct wire from Football Field Oval. Eye-witness descriptions of Football match. League v. Richmond (Melbourne), by "Onlooker."

EARLY EVENING SESSION.

5.30 p.m.—Children's Corner by "Uncle Peter."
NIGHT SESSION.
7.30 p.m.—Musical selection.
7.35 p.m.—Talk by Honorable G. Ogilvie. Subject, "Industrial Co-operation."
7.55 p.m.—"Mercury" special Tasmanian news service.
Railway section produces jokes.
Weather information.
Hobart Stock Exchange quotations.
4 p.m.—G.P.O. Clock Chimes.
6.15 p.m.—Dance numbers by Mrs. Sheppard's trio from Imperial Hotel, Hobart.
Items interspersed from the Studio.
10.20 p.m.—British Official Wireless News.
Weather information.
Station announcements.
National Anthem.

Sunday, August 14 2FC, SYDNEY.

10.55 a.m.—Programme Announcements.
11.0 a.m.—"Big Ben"; From St. Andrew's Cathedral, George Street, Sydney. The Morning Service, conducted by The Very Rev. Dean Talbot (Dean of Sydney).
12.15 p.m.—From the Studio; News Section.
12.30 p.m.—Close Down.

AFTERNOON SESSION.

2.30 p.m.—Programme Announcements.
2.35 p.m.—An Address by Mr. R. H. Swainson, new General Secretary of Australia of the Y.M.C.A.
3.0 p.m.—"Big Ben"; From the Congregational Church, Peterborough, An Organ and Vocal Recital, arranged by Mr. Christian Heilmann.
4.10 p.m.—A Talk by Captain Fred. Aarons: "The History of the Platform."
4.45 p.m.—Close Down.

EVENING SESSION.

5.0 p.m.—"Big Ben" and Programme Announcements.
5.5 p.m.—Mr. S. H. Bowden will talk of England's Lowlands.
6.20 p.m.—Mr. E. J. Robinson, An Organ Recital from the Congregational Church, Pitt Street, Sydney.
(a) "Prelude in G" (Bach).
(b) "Sonata in A" (Rachinberger).
(c) "Andante Con Moto" (Gulman).
(d) "Toccata" (Mallory).
(e) "Carpenter's March" (Mundelachin).
7.0 p.m.—"Big Ben"; The Evening Service from the Congregational Church, Pitt Street, Sydney. Conducted by the Rev. T. E. Ruth.
8.30 p.m.—The Masly Muscular Band, in concert programme arranged by Mr. J. Pheasant.
9.20 p.m.—From the Studio; Marcus Beckwith, Blind Pianist.
(1) "Autumn" (Chaminade).
(Transposed D Flat to B Flat).
(2) "Clair de Lune" (Debussy).
(Transposed D Flat to B Flat).
(3) "Romance in D Flat" (Schubert).
(Transposed D Flat to B Major).
NOTE.—An opportunity will be given to listeners to realize to what extent a person suffering from sight or affliction can pursue musical studies. Mr. Beckwith has a wonderful repertoire of classical numbers and what is more remarkable, he can transpose any piece to a different key. The three numbers he is playing this evening are transposed in this way.
8.44 p.m.—Frank Webster, Distinguished English Tenor, and principal of the "Maison Pompadour" Company, will, by special permission of J. C. Williamson, commence a series of fortnightly Sunday evening studio programmes:
(1) "Elegie" (Massenet).
(2) "Fading By" (Puccini).
(3) "High on More, Ladies" (Alkin).
(4) "So Fare You Well" (from "Doria") (Collier).
10.0 p.m.—"Big Ben."
Lisset Lawson, Violinet.
(1) "Rondo in G" (Mozart-Kreutzer).
(2) "Sonata in G Minor" (Tartini), (1st and 2nd Movements).

10.14 p.m.—Frank Webster, English Tenor by permission of J. C. Williamson:
(1) "Thus Are Born My Beloved" (Godefridus Taylor).
(2) "In the Mo'Ning" (Quilter).
(3) "Alumni" (Mozart).
(4) "On Wings" (Aasha, Russian) (Grove).
10.25 p.m.—Lisset Lawson, Violinet:
"Wander" (Tartini).
10.30 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.
3.20 p.m.—Studio programme.
4.30 p.m.—Bible class, conducted by Mr. W. "Cairo" Bradley.
4.35 p.m.—G.P.O. clock and chimes.
Close down.
4.45 p.m.—Children's service.
7 p.m.—Service broadcast from Chalmers' Presbyterian Church.
8.30 p.m.—From the Studio; Broadcaster's Trio.
9.40 p.m.—Miss Gladys Vercoe, soprano.
9.50 p.m.—G.P.O. clock and chimes.
Weather report and forecast by courtesy of Mr. C. J. Haas, Government Meteorologist.
10.1 p.m.—Mr. Marcus Eisenberg, piano solo.
10.12 p.m.—Mr. Clive Williams, baritone.
10.15 p.m.—Broadcaster's Trio.
10.25 p.m.—Mr. Haagen Holmherzh.
10.35 p.m.—Mr. Clive Williams.
9.40 p.m.—Remains of following day's programme.
10.50 p.m.—Broadcaster's Trio.
10 p.m.—G.P.O. clock and chimes.
National Anthem.

2GB, SYDNEY

Sunday.

MORNING SESSION.
10.20 a.m.—Music from St. Alban's Church, Redfern.
10.25 p.m.—Morning Service. Celebrations of the Holy Eucharist. Sermon.
10 noon.—Close down.
EVENING SESSION.
6.40 p.m.—Relay from Studio.
7 p.m.—Lecture from Adrar Hall, "Life after Death."
8 p.m.—Instrumental Quartet.
1. "Romance" (Mozart).
2. "Waltz" (Grieg).
3. "Allegro" (Debussy).
8.15 p.m.—Duet for two violins, by FRED DAN BULLY, MONTAG HORDER.
8.25 p.m.—Instrumental Quartet.
1. "To a Wild Rose" (MacDowell).
2. "Andante" (Schubert).
3. "Quatuor" (Brahms).
8.40 p.m.—Talk, Dr. Jooste.
9 p.m.—Close down.

3LO, MELBOURNE.

Sunday.

MORNING SESSION.
10.30 a.m.—Bells from St. Paul's Cathedral.
10.45 a.m.—Relay from the British Official Wireless News from Rugby.
MORNING SERVICE FROM THE CHURCH OF CHRIST SCIENTIST, MELBOURNE.
11 a.m.—"Sunday Organ," "Chorus F Major" (Haydn).
Hymn No. 178: "I Look in Thee in every need."
Scriptural Reading, 1 Samuel 14: 1-18.
Wark 12.3.11.
Sicut Prazer, followed by the audible recitation of the Lord's Prayer, with its spiritual interpretation from page 16 of the Christian Science Text Book, "Mind and Health, with Key to the Scriptures," by Mary Baker Eddy.
Hymn, No. 195: "Shepherd, Show Me How to Go" (words by Mary Baker Eddy).
Announcements.
Solo, "Lord at all times" (Mendelssohn).
Lesson.

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Power
13/6



Giving greater economy
plus increased sensitivity
and better tone

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SOLD EVERYWHERE

B406
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.1 amp.
Audio
13/6



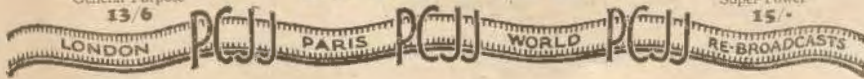
A409
4 Volts, .06 amp.
General Purpose
13/6



B403
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SERMON, "RODOLPH,"
 ("Factory Organ"), "Andante G Major"
 (Hymn).
 Hymn No. 190, "I praise Thee, Lord, for
 Blessings Bent."
 Reading—The Receptive Statement of Belief,
 from page 468 of the Christian Science
 Text Book and the consecutive Scriptures,
 according to I John 8: 12.
 Benediction Act 30, 30.
 Postlude (Organ), "Moderato C Major"
 (Hymn).

12.15 p.m.—Close down.
AFTERNOON SESSION.

2.15 p.m.—Newport Workshops Brass Band
 March "Sons of the West" (Hymn).
 Selection, "L'Arlésienne" (Hymn).
 Eastern Romance, "Under the Palms"
 (Hymn).
 Part Song, "Sweet and Low" (Hymn).
 Overture, "Light Cavalry" (Hymn).
 Partials, "Glorious Garland" (Hymn).
**PLEASANT HOLIDAY AFTERNOON SER-
 VICE FROM WESLEY CENTRAL
 METHODIST, LONGSDALE STREET, MEL-
 BOURNE.**

Chairman, Rev. D. J. HODAN.
 3 p.m.—Orchestral Section.
 Conductor, Mr. G. M. WILLIAMS.
 Hymns, "O Day of Rest and Gladness";
 Prayer, Rev. G. J. BROWN.
 Hymn, "Zein the very thought of Thee."
 Solo, Mr. J. Alexander Brown.
 Orchestral Selection.
 Solo, Mr. J. Alexander Brown.
 Nation.
 Offering.
 Orchestral Selection.
 Address: **MAJOR HARRI M.H.R. (Minister
 for Home and Territories)**
 "SOME RECENT IMPRESSIONS OF
 OUR MANDATED TERRITORY."
 National Anthem.
 Benediction.

4.00 p.m.—Close down.
EVENING SESSION.

8.30 p.m.—Answers to letters and further
 readings by "BROTHER HILTON."
 6 p.m.—Hymns and Musical Items by "THE
 PIED PIPERS."
 Hymn—Quartet, "Sweet and Low."
 Story, "Risks of the Bush" by Ethel Murray.
 Music by William G. James.
 Chorus, "Gentle Night, O Dearest."
 Hymn.

6.45 p.m.—"BROTHER HILTON."
 "Singing on the Cyclinders."
 6.45 p.m.—Solo from St. Paul's Cathedral.
NIGHT SESSION.
 7 p.m.—EVENING SERVICE FROM ST.
 PAUL'S CATHEDRAL, MELBOURNE.
 Hymn 106, "All people that on earth do
 dwell."
 Psalm 71.
 Lit Lesson.
 Magnificat—Stanford in E.
 Gal Lesson.
 Nine Ditties—Stanford in C.
 Anthem, "Therefore with Joy shall ye sing
 Unto the Lord" (Stanford in B).
 Hymn 353, "Lord, I belong not to my care."
 Sermon, THE ARCHBISHOP.
 Hymn 228, "Thou art coming, O My
 Saviour."
FROM THE STUDIO—

8.30 p.m.—Shipping information.
 8.41 p.m.—**JOE ARONSON'S SYMPHONY
 ORCHESTRA:**
 Overture, "Fino Dances" (Hymn).
 8.35 p.m.—**EILEEN STARR, Soprano:**
 "O Divine Redeemer" (Gounod).
 8.44 p.m.—**THE BRIGLIA Trio:**
 "Bergamasca Fantasy" (Robert)
 "Ave Maria" (Gounod).
 8.52 p.m.—**STEPHANIE DEWITT (Wanda, of
 "Rose Marie"),** by permission of J. C.
 Williamson, Ltd.:
 "Ave Maria"
 "Flow Soft are the Hymns of the Girls at
 Sabbath" (Dunst).
 "Sons of God" (Kingsley).
 Lit Chapter of the Book of Samuel.
 8.54 p.m.—**JOE ARONSON'S SYMPHONY
 ORCHESTRA:**
 "In a Monetary Garden" (Kotzeby).
 9 p.m.—**T. H. WARD KING, Bass Baritone:**
 "Invictus" (Kahn).
 "The Joy of a Horse" (Talbot).

8.55 p.m.—**JOE ARONSON AND HIS SYM-
 PHONY ORCHESTRA:**
 "Four Indian Love Lyrics" (Woodford)
 "Maidens"
 9.05 p.m.—**EILEEN STARR, Soprano:**
 "Maudie's Song"—La Boheme (Puccini).
 8.55 p.m.—"Aquila" news service. Announce-
 ments. Royal Automobile Club, of Victoria's
 Safety Message for Today in Ten
 PRESCRIPTIONS: "I'm waiting in a court-
 case and using another—Watch your
 step."

8.45 p.m.—**JOE ARONSON'S SYMPHONY
 ORCHESTRA:**
 "Popular Gems of the Opera and Ballet"
 arranged Wm. Hochheim.
 10.10 p.m.—**OUR GREAT THOUGHT:**
 "Difficulties are things that show what
 men are. In case of any difficulty, remember
 that God, like a gymnastic trainer, has
 not only arranged enough antagonists, but
 what else? That you may be an Olympic
 conqueror, and this cannot be without God."
 Epictetus.

11 p.m.—**GOD SAVE THE KING.**

3AR, MELBOURNE

Sunday.
MORNING SESSION.
 11 a.m.—Services from the Australian Church,
 Russell Street, Melbourne. Minister, Rev.
 Dr. STONE.
AFTERNOON SESSION.
 Special service from the George Coppie
 Hall of the Freemasons' Home, Park
 Road, South Yarra.
 Studio Master, Mr. Stephen McDonald,
 Conductor of the orchestra of the Orpheus
 Lodge, No. 291, Eric J. Booth, Care.
CHILDREN'S SESSION:
 8 a.m.—Conducted by "Ladybird."
EVENING SESSION.
 7 p.m.—Special service from St. James' Old
 Cathedral, Melbourne. Preacher, Avelin-
 gton, Melbourne.
**SPECIAL REQUEST CONCERT FROM THE
 STUDIO.**
 Studio Master, Mr. Stephen McDonald.
 Personal accompanist, Miss Violet Wood.
 7.30 p.m.—Miss Augusta Poole, contralto:
 "The Pilgrims and the Song" (Bible).
 "Still Unspread" (Jacobus Handl).
 7.37 p.m.—Mr. Edward Beuchfort, tenor:
 "Little Mother of Mine" (Harleigh).
 "I hear you calling me" (Marshall).
 7.44 p.m.—Miss Hazel Foletta, soprano, and
 Mr. John Hobbs, violinist:
 Duets, "At love's beginning" (Lohmann).
 "I hear you calling me" (Marshall).
 7.47 p.m.—Mr. Hamilton Bateman, violin:
 "Soprano" (Dreiza).
 "Symphony in G" (Henderson).
 7.52 p.m.—Miss Hazel Foletta, soprano:
 "Oh nighty zeen" (Hayden).
 "In my garden" (Liddle).
 7.53 p.m.—Mr. John Hobbs, violinist:
 "The Pilgrims of an angel" (Phillips).
 "An old Garden" (Hope Temple).
 7.57 p.m.—Miss Rene Hartley, alto:
 Hymn talk, "Hark, my Soul, it is the
 Lord."
 "I heard the voice of Jesus say"
 8.01 p.m.—Miss Augusta Poole, contralto:
 "The Silver Ring" (Chamade).
 "Lovers and the Wind" (Lorenz).
 8.02 p.m.—Mr. Edward Beuchfort, tenor:
 "I know of two bright eyes" (Christians)
 "Soldier's Price Song" (Dor Metastase-
 nianer).
 8.07 p.m.—Mr. Hamilton Bateman, violin:
 "The Indian Love Call" (Friml).
 8.07 p.m.—Miss Hazel Foletta, soprano:
 "I wonder if ever the rose" (Elzate).
 "Road Song" (Ward).
 8.10 p.m.—Mr. John Hobbs, violinist:
 "Angus MacLushlan" (Russett).
 "Fool up" (Sometimes I just sit and think)
 (Hennau).
 8.17 p.m.—Mrs. Rene Hartley, alto:
 "The Song of the Lord" (Athens and the Angel)
 (Loch Ross).
 (b) "The Child Musicians" (Dubois).

8.53 p.m.—Miss Hazel Foletta, soprano and
 Miss Augusta Poole, contralto:
 Duets, "Oh Me! Oh My!" (Domen)
 8.56 p.m.—"The Age" news bulletin.
 8.59 p.m.—Gull Australasia Goodnight
 Theatre:
 "Day youth hold of gold.
 A royal betrothal by.
 Don right to jostled purple walks—
 A Queen of Mooney."
 "The Dawn and Night" (Vester Daley).
 10 p.m.—God save the King.

4QG, BRISBANE.

Sunday.
MORNING SESSION.
ANN STREET PRESBYTERIAN CHURCH.
 The complete morning service will be re-
 layed from the Ann Street Presbyterian
 Church.
 10.55 a.m.—Organ solo, "Ardent No. 2"
 (Hymn). Mr. J. E. DAVIE, Director,
 invocation and Lord's Prayer (invitation
 to worship) hymn 308, "Hark! Hark my
 Soul" (invitation and offertory: solo by
 Miss Helen Wright, soprano; "Hymn in
 G" (invocation) (Musical) children's solo:
 Lord O Jerusalem" (Musical) children's
 story: children's hymn 257, "Children's
 Song: are Posing" (prayer, hymn 323,
 "O Father, Father of Mercies" (prayer by
 the Rev. James Cash, M.A., B.D.; hymn
 257, "Stand Up, Stand Up for Jesus";
 Benediction) organ, "Fountain in G" (Solo),
 Mr. A. Day, P.E.C.L.
 12.30 p.m.—Close down.

AFTERNOON SESSION.
BAND CONCERT.
 The concert by the Federal Band conducted,
 Mr. W. H. DAVIE, will be relayed from
 the Federal Gardens.
 6.15 a.m.—Band Concert.

NIGHT SESSION.
ANN STREET PRESBYTERIAN CHURCH.
 The complete evening service will be re-
 layed from the Ann Street Presbyterian
 Church.
 7 p.m.—Organ, introduction and "Allegro"
 "Sonata No. 1" (Gallmeister), "Glorious"
 Benediction, by Mr. A. Day, P.E.C.L.
 children's hymn 318, "Jesus, Jesus My
 children's bedtime story: children's hymn
 254, "Come, Children, Join to Sing."
 7.20 p.m.—Invocation, invocation and Lord's
 Prayer, invitation to worship: hymn 322,
 "Hark! Hark, Hear Our Wail" (invocation
 and offertory: solo, "Bavaria Solo"
 (Messiah), Miss Nancy Murdoch, solo by
 Mr. J. E. England, church, "Lift Up Your
 Hands" (Musical), Scripture: organ,
 hymn 95, "Crown Him With Many Crowns"
 address, Rev. James Cash, B.A., B.D., hymn
 415, "Star of Home to Wanderers Wears"
 Benediction: Vesper Hymn: organ, "Mardi
 Heroique" (Rafel-Strauss), Mr. A. Day,
 P.E.C.L.
 8.30 p.m.—Benediction.

BAND CONCERT.
 At the concert-hall service the
 concert by the Brisbane Municipal Band
 (conductor, Mr. E. Jackson) will be relayed
 from Wickham Park.
 8.30 p.m.—Band Concert.

5CL, ADELAIDE.

Sunday
MORNING SESSION.
 11 a.m.—Church.
 11.1 a.m.—Service from St. Bartholomew
 Church—Dine Service.
AFTERNOON SESSION.
 1 p.m.—Church.
 2.1 p.m.—Programme of the Public a special pro-
 gramme arranged by the Railway Ac-
 cretion Committee, headed by Mary Edson
 (organist), Muriel Palmer (lecturer).
EVENING SESSION.
 8.30 p.m.—Church.
 8.35 p.m.—Running of the East West
 Express.
 8.40 p.m.—Service started by Uncle Ruffin.
 7 p.m.—Relay from Parkside Baptist Church
 Divine Service.
 8 p.m.—Relay from Adelaide Town Hall—
 Organ recital by Mr. Ross—Special
 programme of organ and vocal numbers.



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- 8.1 p.m.—Official weather report.
- 9.3 p.m.—Talk by Mr. P. H. Nicholls—"Lotta Pasteur."
- 9.16 p.m.—Relay from the Adelaide Town Hall.
- 10 p.m.—Tomorrow's programme, station announcements, weather reports and National Anthem.

7ZL, HOBART

MORNING SESSION

- 11 a.m.—Church Service from Memorial Congregational Church, Presbyter, Rev. Arthur C. Nelson. At conclusion of Church Service Boat Express information. Close down.

AFTERNOON SESSION

- 3.30 p.m.—Pleasant Sunday Afternoon Concert.
- 6.30 p.m.—Children's Corner by the "Sunday Lady."

NIGHT SESSION

- 9 p.m.—Divine Service from St. David's Cathedral, Hobart. At conclusion of Church Service, Concert from the Studio. Mrs. Jack Green (soprano). Miss Mary Page (contralto). Miss Alice Briggs (soprano). Miss Helen Paine (piano). Mr. Lloyd Miller (violinist). Mr. Donald Webb (musical monologues).
- 10.40 p.m.—"Mercury" news service. British Official Wireless News. Weather forecasts. Station announcements. National Anthem.

Monday, August 15

2FC, SYDNEY.

EARLY MORNING SESSION

- 7.9 a.m.—"Big Ben" and Announcements.
- 7.5 a.m.—Studio Music.
- 7.45 a.m.—Daily Session: Official Weather Forecast; Rainfall, Temperature, Astronomical Memoranda; Shipping Intelligence; Mail Services.
- 7.25 a.m.—Investment Market, Mining Share Market; Metal Quotations.
- 7.15 a.m.—Wool Sales; Broadstuffs; Markets; Inter-State Markets; Produce Markets.
- 7.45 a.m.—"Seymour Morning Herald" Summary.
- 8.9 a.m.—"Big Ben"; Close Down.

MORNING SESSION

- 10.0 a.m.—"Big Ben" and Announcements.
- 10.3 a.m.—Studio Music.
- 10.15 a.m.—"Sydney Morning Herald" News Service.
- 10.30 a.m.—Studio Music.
- 10.35 a.m.—Last Minute Sporting Information by the 2FC Racing Commissioner.
- 10.45 a.m.—Studio Music.
- 11.3 a.m.—"Big Ben"; Marching Music for School Children.
- 11.5 a.m.—A.P.A. and Reuter's Cable.
- 11.15 a.m.—A Reading.
- 11.30 a.m.—Close Down.

MIDDAY SESSION

- 12.0 noon—"Big Ben" and Announcements.
- 12.2 p.m.—Stock Exchange, First Call.
- 12.3 p.m.—Weather Forecast, Rainfall.
- 12.5 p.m.—Studio Music.
- 12.10 p.m.—Summary of "Sydney Morning Herald" News Service.
- 12.25 p.m.—"Daily Wireless News"; Studio Music.
- 12.30 p.m.—Marching Music for School Children.
- 12.40 p.m.—GLADYS GORDON, Contralto: "Gibber Dax" (Barba).
- 12.45 p.m.—Studio Music.
- 1.3 p.m.—"Big Ben"; Weather Intelligence.
- 1.45 p.m.—"Evening News"; "Midday News Service"; Produce; Distributing Society's Report.

1.15 p.m.—FROM FARMERS' SMOKER ROOM: Speeches by the Bureau's Hon. Chairman, tendered by the Y.M.C.A. to the new General Secretary of Australia, Mr. R. H. Swainson. Sir Arthur Cooks will preside.

- 1.57 p.m.—GLADYS GORDON, Contralto (from the studio): "A Locomotive Boy's Letter" (Words).
- 2.0 a.m.—"Big Ben"; Close Down.

AFTERNOON SESSION

- 2.9 p.m.—"Big Ben" and Programme Announcements.
- 3.3 p.m.—Kitty Poole, Southeita: "Little Agavon Will Grow Again" (Rule).
- 3.7 p.m.—Marcel Bosveld, Soprano: "Over the Dreamland Sea" (Zalilips).
- 3.15 p.m.—Dorothy Henslow, Contralto: "Some Quiet Day" (Hayer).
- 3.15 a.m.—A Reading.
- 3.20 p.m.—Marching Music for School Children.
- 3.40 p.m.—Florence Grant, Soprano: "April Moon" (Baiton).
- 3.45 p.m.—The Oak Hall Instrumental Trio (Leader, Mr. Horace Kestel).
- 3.50 p.m.—Kitty Poole, Southeita: "No Money" (Rule).
- 4.5 p.m.—Janette Rooney, Soprano: "Of the North I Sing" (Oliver).
- 4.5 p.m.—The Oak Hall Instrumental Trio.
- 4.15 p.m.—Dorothy Henslow, Contralto: "The Evening Home" (Widley).
- 4.20 p.m.—Florence Grant, Soprano: "The Challenge of Spring" (Liddle).
- 4.25 p.m.—The Oak Hall Instrumental Trio.
- 4.35 p.m.—Marcel Bosveld, Soprano: "The Song of the Palms and the Seagulls" (Shaw).
- 4.40 p.m.—Isabelle Rooney, Contralto: "How Many a Lonely Caravan" (Woodford-Findley).
- 4.45 p.m.—Stock Exchange, Third Call.
- 4.40 p.m.—The Wentworth Symphonic Dance Orchestra, under the baton of Mr. Cyril Kaye.
- 5.4 p.m.—"Big Ben"; Close Down.

EARLY EVENING SESSION

- 5.45 p.m.—The Chimes of 2FC.
- 5.40 p.m.—The "Hello Man" Talks to the Children.
- 6.40 p.m.—Play Time for the Young Folk.
- 6.40 p.m.—Dinner Music.
- 6.50 a.m.—"Big Ben"; Last Sporting News.
- 7.10 p.m.—Dalrymple's Market Reports (Wool, Wheat and Stock).
- 7.10 p.m.—Fruit and Vegetable Markets.
- 7.15 p.m.—Weather and Shipping Intelligence.
- 7.28 p.m.—"Evening News"; Late News Service.

NIGHT SESSION

- Announcer A. S. COCHRANE
- Accompanist E. W. CRAPPE
- 7.45 p.m.—Programme Announcements.
- 7.40 p.m.—Mrs. W. A. Holman, in her third talk will deal this evening with: "Beauty spots and historic places of Great Britain."
- 7.48 p.m.—"Is it Your Birthday?"
- 8.0 p.m.—"Big Ben"; The Haymarket Operatic Orchestra, under the baton of Mr. Stanley Porter.
- 8.15 p.m.—Percy McKay, Basso Cantante: (a) "Song of the Volga Boatman" (Chabliakov); (b) "Hibernia the Ocean" (Elffort).
- 8.34 p.m.—Harry Cash, Comedian: "Modeling Subjects" (Cash).
- 8.30 a.m.—From the Sydney Fitz Club Rooms: A programme conducted by Mr. E. W. Gardiner: (1) Ensemble (Pavani); (2) Duet "Sonata 2 Flutes and Piano" (Liedtke); Messrs. Colin Smith and R. White; (3) Solo, "Polka de Concert" (De Jong); Mr. H. Callahan; (4) Ensemble, "Adagio" (Kobler); Accompanist: Mrs. E. W. Gardiner; Miss Lottie Bennett, Mrs. Colin Smith.
- 8.53 p.m.—Madame Evelyn Arden, Musical Lecturer on Negro Spirituals: (a) "Samboly's Knackin' at Your Door" (Thomas); (b) "Oh Wassa' Dai a Wide Ribbon" (Burgleigh).
- 9.4 p.m.—"Big Ben"; Late Weather Forecast. 9.5 p.m.—The Haymarket Operatic Orchestra, under the baton of Mr. Stanley Porter.
- 9.10 p.m.—Harry Cash, Comedian: "Cohen Open me 37 Solists" (Berlin).
- 9.15 p.m.—Miss Conception No. 4, Conducted by Mr. Len Maurice.
- 9.24 p.m.—Percy McKay, Basso Cantante: (a) "Will-o-the-wisp" (Cherry);

- (b) "Twilight" (Blaker);
- 9.34 p.m.—From the Sydney Fitz Club Rooms: "Programme Arranged by Mr. E. W. Gardiner (2nd Half): (5) Ensemble, "Pastorale" (Lohm); (6) Duet, "Lo, Hear the Corns Bark" (Bishop); Messrs. F. W. Swan and C. Hobbs; (7) Ensemble, "Duetto" (Abbot); (8) Duet, "Souvenir de Prague" (Doopler); (9) Ensemble, "The Snow and Pine" (Lohm); Messrs. F. W. Swan and E. W. Gardiner.
- 10.0 p.m.—"Big Ben"; From the Studio: "My Brother Strived" (Thomas);
- 10.5 p.m.—Madame Evelyn Arden, Musical Lecturer: (a) "Go Down Moses" (Burleigh); (b) "Were You There?" (Thomas);
- 10.14 p.m.—The Haymarket Operatic Orchestra, under the baton of Mr. Stanley Porter. (10) Solo—Dancing Songs Arranged by Len Maurice.
- 10.47 p.m.—Late News and Announcements.
- 11.0 p.m.—"Big Ben"; Evening Session with Mr. W. Condoned by Len Maurice.
- 11.50 p.m.—Studio Music. Close Down.

2BL, SYDNEY

Monday.

- EARLY MORNING SESSION
- 7 a.m.—G.P.O. clock and chiming.
- Metropolitan weather report.
- 7.2 a.m.—State weather report.
- 7.4 a.m.—News from "Daily Telegraph Editorial."
- 7.10 a.m.—G.P.O. clock and chiming.
- Fruit market report.
- 7.18 a.m.—Vegetable market report.
- 7.20 a.m.—Dairy farm weather market report.
- 7.22 a.m.—Furniture market report.
- 7.24 a.m.—News from the "Herald."
- 7.30 a.m.—G.P.O. clock and chiming.
- 7.36 a.m.—News from "Daily Telegraph Editorial."
- 7.42 a.m.—Boats in call by wireless.
- 7.43 a.m.—Mail information, shipping arrivals and departures and out-shipping.
- 7.45 a.m.—G.P.O. clock and chiming.
- News from "Daily Telegraph Editorial."
- 7.48 a.m.—G.P.O. clock and chiming.
- Close Down.

MORNING SESSION

- 10.30 a.m.—G.P.O. clock and chiming.
- Musical programme from the Studio.
- 10.40 a.m.—News from the "Daily Telegraph Editorial."
- 10.55 a.m.—Musical programme from the Studio.
- 11 a.m.—G.P.O. clock and chiming.
- Announcements.
- 11.1 a.m.—Musical programme from the Studio.
- 11.15 a.m.—Talk on "Tennis" by Miss Joan Varley, Broadcaster's woman's sports authority.
- Social notes. Replies to correspondence from Mrs. Jean Arden.
- Talk on "Honey" by Mrs. Jordan.
- 12 noon—G.P.O. clock and chiming.
- Special news forecast and weather report.
- 12.15 p.m.—Musical programme from the Studio.
- 12.25 p.m.—Information. Mail, shipping and port directory.
- 12.35 p.m.—Boats in call by wireless.
- 12.39 p.m.—Fruit market report.
- 12.42 p.m.—Vegetable market report.
- 12.44 p.m.—London stock market report.
- 12.50 p.m.—Dairy and farm produce market report.
- 1.00 p.m.—G.P.O. clock and chiming.
- News service report.
- 1.22 p.m.—Fruit market report.
- 1.24 p.m.—Rabbit market report.
- 1.25 p.m.—News from the "Sun."
- 1.25 p.m.—Holler's Instrumental Quartet: Director: Cyril Costello.
- 1.50 p.m.—G.P.O. clock and chiming.
- Talk to children and special entertainment for children in hospital.

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2GB, SYDNEY

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

AFTERNOON SESSION.

- Racing information broadcast immediately after each race, by courtesy of the "Sun."
5 p.m.—G.P.O. clock and chimes.
Musical programmes from the Studio.
5:10 p.m.—News from the "Sun."
5:20 p.m.—Musical programmes from the Studio.
5:30 p.m.—News from the "Sun."
5:40 p.m.—Anne Henderson and her happy news gith, broadcast from the Dongovan Cabaret.
6 p.m.—G.P.O. clock and chimes.
News from the "Sun."
6:15 p.m.—Dental story.
6:30 p.m.—Anne Henderson and her happy news gith, broadcast from the Dongovan Cabaret.
6:45 p.m.—News from the "Sun."
6:55 p.m.—Racing reports.
7 p.m.—Dance of night's programme.
7:15 p.m.—Announcements and What's On?
7:30 p.m.—Special ocean forecast.
7:45 p.m.—G.P.O. clock and chimes.
Close down.

EARLY EVENING SESSION.

- 7:45 p.m.—G.P.O. clock and chimes.
Uncle Sam and the kiddies.
8:00 p.m.—Musical programmes from the Studio.

SPECIAL COUNTRY SESSION.

- 9 p.m.—G.P.O. clock and chimes.
Australian Mercantile, Land and Finance Clock report.
Weather report and forecast by courtesy of Government Meteorologist.
Producers' Distributing Society's fruit and vegetable market report.
Stock Exchange reports.
Grain and Fodder reports ("Sun").
Daily exchange report ("Sun").
7:15 p.m.—Country news from the "Sun."
7:30 p.m.—Talk on "Tennis" by Dr. McElhinna.

EVENING SESSION.

- 8 p.m.—G.P.O. clock and chimes.
Broadcasters' Topical Chorus.
An hour's programme presented by Lindesman's wives.
8:30 p.m.—The Foxglove Banjo Band.
8:40 p.m.—Miss Grace Quinn, descriptive artist.
8:47 p.m.—The Newtown Band broadcast from the Industrial Hall, Newtown.
8:57 p.m.—Mr. Bernard Roberts, entertainer at the piano.
8:44 p.m.—Miss Pauline Harford-Foster, soprano.
8:51 p.m.—Mr. Revie Reid, the radio jester.
8:55 p.m.—Miss Hilda Lane, soprano.
9 p.m.—Weather report and forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.
9:15 p.m.—Cec. Morrison and his Glenorchamers broadcast from the ballroom of the Bondi Casino.
9:18 p.m.—Broadcasters' all-sports expert will talk on general sporting.
9:25 p.m.—The Newtown Band.
9:30 p.m.—Mr. Harry Leach, baritone.
9:35 p.m.—G.P.O. clock and chimes.
Resumes of following day's programme.
9:45 p.m.—Cec. Morrison and his Glenorchamers broadcast from the ballroom of the Bondi Casino.
9:55 p.m.—The Whispering Lady Baritone.
10:05 p.m.—Cec. Morrison and his Glenorchamers broadcast from the ballroom of the Bondi Casino.
10:15 p.m.—Mr. Harry Leach.
10:30 p.m.—Cec. Morrison and his Glenorchamers broadcast from the ballroom of the Bondi Casino.
10:45 p.m.—The Whispering Lady Baritone.
10:55 p.m.—Cec. Morrison and his Glenorchamers broadcast from the ballroom of the Bondi Casino.
11 p.m.—G.P.O. clock and chimes.
National Anthem.

3DNDAY, MORNING SESSION.

- 9 a.m.—Mass.
9:15 a.m.—Chorus Talk.
9:30 a.m.—Musical.
9:45 p.m.—Psychological Class.
9:55 a.m.—Music.
10 a.m.—Health and Diet.
10 a.m.—Music.
AFTERNOON SESSION.
10:30 p.m.—Music.
10:35 p.m.—Address.
10:40 p.m.—Music.
10:45 p.m.—Address.
10:50 p.m.—Music.
10:55 p.m.—Evening Session.
7 p.m.—Music.
7:15 p.m.—Address, Lieutenant Logan.
7:30 p.m.—Music.
7:40 p.m.—Address, Mr. J. E. Powell.
7:50 p.m.—Music.
8:00 p.m.—Address, Safety First—W. Finch.
7:50 p.m.—Announcements.
8:00 p.m.—Instrumental Trio, DAN SCULLY, MURIELLE LANG, ADA BROOK.
8:05 p.m.—Address by Professor Ernest Wood.
8:10 p.m.—Songs, Miss E. Lanning.
1. "A Farmer's Lullaby."
2. "When my ship comes sailing Home" (Phillips).
8:20 p.m.—Duet for Two Violins, by Daph. DAN SCULLY, MONICA BORDER.
8:30 p.m.—Songs by JOHN EDMONDS.
1. "Hiawatha" (Goodhart).
2. "Merr".
8:40 p.m.—Violin solo, DAN SCULLY.
1. "Old Dance" (Lilly).
2. "Removal".
8:50 p.m.—Announcements.
9 p.m.—Mr. J. E. Powell, Address.
9:15 p.m.—Songs, Miss E. Lanning.
1. "The Greatest wish in the world."
2. "What a wonderful world it would be."
9:25 p.m.—Instrumental Quartet, DAN SCULLY, MONICA BORDER, MURIELLE LANG, ADA BROOK.
9:40 p.m.—Songs by John Edmonds.
An Embler (A. Rotman).
9:55 p.m.—Talk.
10 p.m.—Close down.

3LO, MELBOURNE.

MIDDAY SESSION.

- 12 noon.—Tone signal, British official wireless news from Rugby. Reuter's and the Australian Press Association cables. "Argus" news service.
1 p.m.—Close down.
AFTERNOON SESSION.
Results of Ascot Pony Races will be announced as they come to hand.
9 p.m.—STUDIO ORCHESTRA:
"The Singing Girl" (Berbert).
10 p.m.—MRS. DOROTHY SILK:
"Housewife".
10:30 p.m.—NORMAN McLENNAN, baritone:
"Blow, Blow, Thou Winter Wind" (Bergman).
"The Lute Player" (Alltzen).
10:35 p.m.—STUDIO ORCHESTRA:
"Serenade on the Terrace" (Valdes).
10:40 p.m.—GEOFFREY FINLAY, piano:
"March of the Dwarfs" (Grieg).
"Home-ward" (Grieg).
Refrain de Berceuse (Palmeren).
A Finnish Dance (Palmeren).
Gavotte (U. Albert).
9:55 p.m.—MAY ALBERTA, soprano:
"Golden Stars in Lombardy" (Herman).
"Festal Song" (Herman).
4 p.m.—STUDIO ORCHESTRA:
1. "Chromatic Numbers" (Haydn).
4:10 p.m.—NORMAN McLENNAN, baritone:
"The Gullies" (Mack Gullid).
"I Know a Lovely Gullion" (Hilfshelm).
4:15 p.m.—EVELYN FERNAN, violin:
"Gondoliers" (Trowell).
4:30 p.m.—MAY ALBERTA, soprano:
"Wedding in June" (Hudsonson).
"Ost Where the West Begins" (Phillips).

4:30 p.m.—MISS FLOLA PELL, Inspector of Schools:
"Domestic Economy".

4:45 p.m.—"Herald" news service. Stock Exchange information.
5 p.m.—Close down.

5:30 p.m.—Announcements for Wednesday's Races—Bettings.

5:35 p.m.—Answers to letters and holiday greetings by "LITTLE MISS KOOKA-MIBLA."

5:45 p.m.—MUSICAL PROGRAMME for children, by MR. FRITZ BART.
EDNA LAIRD, Songs:
"The Sandman".

"Rinder" (Hraham).
IDA SCOTT, Piano:
"Growing Up".

"Buckingham Palace".
NOELLE SMITH, Violin:
"Hungarian Dance" (Hraham).
"Waltz" (Hraham).

IDA SCOTT, Piano:
"Two Waltzes" (Hraham).
5:40 p.m.—Official Report of Newmarket Stock Sales, by the Associated Stock and Stock Agents, Messrs. Girdell, Melbourn; number of Sheep and Cattle drawn for week's sale.

5:45 p.m.—"Herald" News Service, Weather Synopsis; Shipping Movements.

5:50 p.m.—Fish Market Reports, by J. E. Barrett, Ltd.; Rabbit Prices; Dairy Reports by the Melbourne Wool Brokers.

5:55 p.m.—Market Reports of Fruit by the Victorian Fruitgrowers' Association, compiled by "The Fruit World."

NIGHT SESSION.
7:10 p.m.—Under the auspices of the DEVELUP AUSTRALIA LEAGUE—MR. J. J. WALDRON will speak on:
"Central Australia," Part 2.

7:15 p.m.—MR. E. C. DE TAYLOR:
"School Life and School Topics."

7:45 p.m.—Under the auspices of the Department of Agriculture, Mr. R. A. J. SMITH, Tobacco Expert, will speak on:
"Cultivating and Transplanting Tobacco."

8 p.m.—STUDIO ORCHESTRA:
"Ballet Suite Coppelia" Part 1.

8:10 p.m.—HENRY THOMAS QUARTETTE:
—Song Cycle.

"FREE DASHY CHAIN."
Two Songs of Childhood.
To be sung by four solo voices.

Words by Laurence Alma Tadema, Robert Louis Stevenson, Norman Gale, W. B. Rands, and "Anon."
Music composed by Lita Lehmann.

MRS. HENRY THOMAS, soprano.
MISS ALICE HUNT, contralto.
MR. HORACE CALVERT, tenor.
MR. HENRY THOMAS, bass.

1. Quartette: "Foreign Children."
2. Song—contralto, "Fairies."
3. Song—bass, "Keepake Moll."
4. Song—soprano, "If No One Ever Marries Me."

5. Song—tenor, "Stars."
REGINALD BRADLEY, Violin solo:
"Giant Juggler" (Karakas-Kreider).

6. Quartette, "Seeing the World."
7. Song—contralto, "The Ships that sailed into the Sun."

8. Song—soprano, "The Spring."
9. Song—tenor, "Husband and Crew."

REGINALD BRADLEY, violin solo:
"On Wings of Song" (Mendelssohn-Ackroyd).

10. Song—tenor, "The Moon."
11. Quartette, "Thank You Very Much Indeed."
12. Quartette, "Blind Man's Buff."

At the Piano—CYRIL HALL.
8 p.m.—STUDIO ORCHESTRA:
Ballet Suite "Coppelia" Part II.

8:35 p.m.—In response to many requests we have pleasure in again introducing to you—EVELYN FERNAN, violin, who will sing:

"I Know a Lovely Gullion" (Hilfshelm) (Hussein).
"Star" (Rogers).

9 p.m.—Announcements.
9:15 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE for today is for "MOTORISTS"—"Kidding occurs—watch your brakes, use your chain."



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9.5 p.m.—STUDIO ORCHESTRA: "Serenade" (Carson).

10.17 p.m.—PROGRAMME arranged by the MELBOURNE UNIVERSITY CONSERVATORIUM under the direction of PROFESSOR BERNARD HEINZE.

EDWARD GOLL, piano: Sonata in C minor, Op. 19, "The Pathétique" (three movements) (Beethoven).

MAHEL NELSON, soprano: "How Deep the Slaughter of the Floods" (Howe).

EDWARD GOLL, piano: "Silent Noon" (Vanhaerem Williams).

EDWARD GOLL, piano: "Hunting Song" (Hofstadter).

MAHEL NELSON, soprano: "Irish Folk Song" (Scott).

"I Know Where I'm Going" (old Irish) arr. by Hughes.

EDWARD GOLL, piano: "Nenia" (Scamatti).

M. A. W. JACKSON, amateur Championship of Victoria—Golf. "Comments on the day's play."

10.15 p.m.—STUDIO ORCHESTRA: "Chimes, Temple Gardens" (Kielberg).

10.20 p.m.—Meteorological information. British Official News Service from Rugby.

10.7 p.m.—We have pleasure in introducing to you—

BIBIONE PALMETTO, tenor: "La Marseillaise."

"Dreams of Long Ago" (Carson).

10.14 p.m.—HUXHAM'S SERENADERS in a Musical Comedy Concert.

"THE FINAL REHEARSAL" Edith Huxham, Hugh Huxham.

Bess Miller, Edith Huxham, Lena Deane, Johnny Marx.

10.14 p.m.—"Argus" news service. Arrangements.

11 p.m.—OUR GREAT TROUBT— "Injuries may be atoned for, and forgiven; but health admits of no compensation. They degrade the mind in its own return, and force it to recover its level by revenge." —Jimmie.

11.1 p.m.—JOE ARONSON AND HIS SYNCYMPHONISTS

11.45 p.m.—GOD SAVE THE KING

3AR, MELBOURNE

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

MIDDAY CONCERT. Transmitted from Panopaeo House, 222 Collins Street (by exclusive permission of Wills and Paton, Ltd.), on the Brunswick Peninsula.

3 p.m.—Close down.

MUSIC SESSION. ORCHESTRAL CONCERT. 3.40 p.m.—Studio Orchestra: "Three Light Pieces" (Somerville).

3.45 p.m.—The Two Waifs, popular song duo: "Me You" (Woods).

3.50 p.m.—Studio Orchestra: "Yashmak" (Turkhan).

"Anshah" (F. Nobody).

3.41 p.m.—The Two Waifs, popular song duo: "Thinking of You" (Doroboni).

3.46 p.m.—Studio Orchestra: "Voice Boat Song" (Traditional). "A Summer Morning" (Kewing). "Tolly" (Zambrick).

3.57 p.m.—The Two Waifs, popular song duo: "Linger a little longer" (Ayer).

4 p.m.—G.P.O. clock says "Four." 4.1 p.m.—Second weather forecast.

4.14 p.m.—Studio Orchestra: Selection, "On with the Show" (Nichols). "Wings of Joy" (Norman).

4.18 p.m.—The Two Waifs, popular song duo: "Ornamental Voices" (Doroboni and Kewton). 4.30 p.m.—Mr. Herbert Pettifer, violin: "Biazzerio" (Elgar).

4.35 p.m.—Studio Orchestra: "Frazier and Temple Ganges" (Gragg).

4.37 p.m.—The Two Waifs, popular song duo: "Pal of my loneliness hours" (Lisman).

4.38 p.m.—Studio Orchestra: "Spanish Gypsy Dance" (Mercery). "Three Faraway Pictures" (Woods). "Endowment" (Rawthorne).

4.50 p.m.—Tonight's entertainment. 5 p.m.—G.P.O. clock says "Five." Close down.

CHILDREN'S SESSION. 6.50 p.m.—"The Farquhar Plan." EVENING SESSION.

THE PLAY AND THE CONCERT. Sunday Market, Mr. V. O'Connell, Personal Accompanist, Mr. Walter Quirk.

7.30 p.m.—Mr. William Smith: Early postal history of Victoria. 7.45 p.m.—Market reports.

8.1 p.m.—G.P.O. clock says "Eight." 8.1 p.m.—The Karoola Duo—Miss Hilma Sotelo, violin; Miss Eileen Pauson, piano: "Icherno op. 18 No. 2" (Vak Lorenz).

"Miser" (Beethoven). "Jo me sake me" (Trotter).

8.10 p.m.—Miss Eileen Pauson-Webbe, contralto: "Parrot" (Tosti). "The Furbera Tree" (Quiller).

8.18 p.m.—Mr. Frank Crowley, "The Anzac Cove." "It's a Lie" (Heller).

8.24 p.m.—Mr. Harry Loft, tenor: "The Jewish Boyhood" (Merley). "March Hongroise" (Kowaleki).

8.30 p.m.—Mrs. F. Bernhardt-Jones: Prison work among our women. 8.41 p.m.—Mr. Hilton, contralto: "Lullina Canzone" (Tosti).

"Just a song at Twilight" (Mothly), by request.

8.48 p.m.—Mr. Walter Quirk, solo pianist: "Pantale Imprompisi" (Chopin).

8.53 p.m.—Radio play: "The Brass Door Knob" (Doulton).

Characters: Mrs. Bradbury, the Wife of a Ship Architect, inventor of a new secret Armoured car. Miss Mollie Lecky, Mr. Hawker, a Spy in the pay of Enemy Nation, posing as a hawker of plants.

Scene: The Bradbury's flat on the top floor of the mansion. Time, afternoon. Period, the present.

9 p.m.—The Karoola Duo: "Rhapsody of the Elm" (Jankelson). "Ardantia" (Ardelet). "Cardinal" (Roeti).

9.17 p.m.—Miss Eileen Pauson-Webbe, contralto: "If my wings were only winged" (Kahn). "Alone" (Melford).

9.28 p.m.—Mr. Frank Crowley, "The Anzac Cove." In other words (Ayer).

"Wrong Numbers" (Bessie). 9.35 p.m.—Mr. G. A. Firman, chief librarian, Mullens' library: "Baudy reviews on topics of the moment."

9.48 p.m.—Mr. Harry Loft, tenor: "Take Your Place" (Hamsted).

9.52 p.m.—Mr. Milton Cheek, baritone: "A song commemorated" (Eric Costo). "Dona Maria" (Mozart).

10 p.m.—G.P.O. clock says "Ten." 10.1 p.m.—Karoola Duo: "Vassalman."

10.2 p.m.—The "Aer" news bulletin, outline.

10.5 p.m.—Dance Hour, Leggett's Ballroom Orchestra (direction Mr. Harry Naylor). 10.55 p.m.—To-morrow's entertainment.

10.58 p.m.—Weather forecast. 10.59 p.m.—Our Australian Good-night Thoughts: "For the great things of earth are small things. The longest life is a span. And there is an end to all things. A season to every man's life. From 'Doubtful Divines' (Adam Lindsay Gordon).

11 p.m.—G.P.O. clock says "Eleven." God Save His King.

4QG, BRISBANE

Monday. MIDDAY SESSION. 1.30 p.m.—Market Reports: Weather information supplied by the Commonwealth Weather Bureau. News Service supplied by "The Daily Mail" and "The Daily Standard."

1.50 p.m.—FREDERICK AYLTON, Lind. Music played by Hotel Carlton Symphony Orchestra.

1.55 p.m.—FROM THE GIBBERWATOHY: Standard Time Signal.

2.00 p.m.—Close down. AFTERNOON SESSION. 2.30 p.m.—FROM HOTEL GIBBERWATOHY: Afternoon Tea Service supplied by Hotel Carlton Symphony Orchestra.

4.15 p.m.—FROM THE STUDIO: News service supplied by "The Telegraph."

6.4 p.m.—Close down. EARLY EVENING SESSION. 6.45 p.m.—News Service supplied by "The Daily Standard."

6.50 p.m.—Lectures: "Stories of Queensland" by Mr. K. J. Hanlon, M.L.A. (by the Queensland Prefecture League).

6.59 p.m.—The Children's Session: Stories by "The Sandman."

7.0 p.m.—Market Reports: Stock Reports: Special News Service.

7.30 p.m.—Weather News: Announcements. 7.35 p.m.—Standard Time Signal: broadcast.

7.45 p.m.—The Children's Music Centre conducted by "The Music Man."

NIGHT SESSION. 8.0 p.m.—FROM MR. JOHN'S STUDIO: Pianoforte solo, "Romance" (in A) major—Mozart. "Pastoral with Variations" (Mozart). Mr. John's tenor solo, "When Our Dear Emotion" (from Merleby's opera, "Cool Van Watter"). Mr. George Williams, contralto solo, "Dramm Solo" (Neville). Miss Eileen Burns, pianoforte.

Opus 12, No. 3. "The symphony" (Opus 12, No. 2). Opus 12, No. 3. Opus 12, No. 4.—Mr. Erich John, tenor solo, "The Chanted Words" (Merlet). Miss Eileen Burns, contralto solo, "Little Brown Cottage" (Dickson). Miss Blanche Burns, pianoforte solo, "Mazurka" (in Astheimer—Chopin).

"Friede" Opus 28, No. 13 (Fischer) with Mrs. Erich John, Opus 12 (Chopin), Mr. Erich John.

STUDIO CONCERT. 8.0 p.m.—FROM THE STUDIO OF 4QG: Metropolitan Weather Forecast; Overture, "Queen of the Nile" (Olester), the Studio Orchestra (conductor, Mr. A. H. Featherstone); contralto solo, "Vergil's Mower" (Morton); pianoforte (Doublton), Miss Bernice Berg; (soprano, (a) "Oh Rose" (Lippa), (b) "The Far Away Hills" (Gordon); the Studio Orchestra; soprano solo, "When Love Pours In at the Window" (Scott); Miss Elsie Ward; a thought for tonight (Will H. Lister); "Yonchew and Yonchew" (Mr. A. H. Featherstone); tenor solo, "The Song of the Willow" (Mrs. Erich John); soprano solo, "The Song of the Willow" (Mrs. Erich John).

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 10.45 p.m.—"The Daily Mail News; Weather News; Close Down.

5CL, ADELAIDE.

Monday.

MORNING SESSION.

12 noon.—Chimes.
 12.15 p.m.—Studio music.
 12.15 p.m.—"Advertiser" news service and Market reports.
 12.45 p.m.—Studio music.
 1 p.m.—"Advertiser" news service.
 2 p.m.—Chimes Stock Exchange Intelligence official weather bulletin. Close down.

AFTERNOON SESSION.

3 p.m.—Chimes.
 3.1 p.m.—Relay from the Maple Leaf Club.—Orchestral selections.
 3.15 p.m.—From the studio.—Music and social notes.
 4 p.m.—Chimes.
 4.1 p.m.—Relay from the Arcadia Cafe.—Orchestral selections.
 5 p.m.—Chimes and close down.

EVENING SESSION.

6 p.m.—Chimes.
 6.1 p.m.—Relay from the Covent Garden Restaurant.—Orchestral selections.
 6.35 p.m.—Children's Corner by Anny Peggy and Uncle Mike.
 7.25 p.m.—Market reports, Stock Exchange Intelligence, retail Grocers' report, Automobile Association Bulletin.
 7.35 p.m.—"Critics" will talk on Film Land.
 7.45 p.m.—Mr. Noel Huhle will talk on Physical Culture.
 7.55 p.m.—Talk by Mr. H. J. Dewell, J.P. of the Aborigines Protection League.
 8 p.m.—Chimes.
 8.1 p.m.—Studio Orchestra.
 8.11 p.m.—Ella Wessley, contralto.
 8.13 p.m.—Studio Orchestra.
 8.20 p.m.—"The Twinkler."
 8.40 p.m.—Sahla Grivell, baritone.
 8.44 p.m.—Studio Orchestra.
 8.44 p.m.—Ella Wessley, contralto.
 8.47 p.m.—Sahla Grivell, baritone.
 9.1 p.m.—Official weather report.
 9.2 p.m.—Delaney's wheat report.
 9.15 p.m.—Grace Cusston, soprano.
 9.15 p.m.—Studio Orchestra.
 9.25 p.m.—Herbert King, tenor.
 9.29 p.m.—Studio Orchestra.
 9.35 p.m.—Grace Cusston, soprano.
 9.43 p.m.—Studio Orchestra.
 9.49 p.m.—Herbert King, tenor.
 9.54 p.m.—Studio Orchestra.
 10 p.m.—"Advertiser" news service. Wireless shipping, and resume of previous Saturday's sporting.
 10.15 p.m.—Studio Orchestra.
 10.25 p.m.—Grace Cusston, soprano.
 10.29 p.m.—Studio Orchestra.
 10.39 p.m.—Herbert King, tenor.
 10.43 p.m.—Studio Orchestra.
 10.57 p.m.—Tomorrow's programme, station announcements, weather bulletin and National Anthem.

7ZL, HOBART

Monday.

MORNING SESSION.

11 a.m. to 12 noon.
 AFTERNOON SESSION.
 2 p.m.—G.P.O. Clock Chimes.
 3 p.m.—Tune in selection.
 3.5 p.m.—Hobart Stock Exchange quotations. News of interest. Announcements.
 4.15 p.m.—Orchestral selections by 7ZL Orchestra.
 4.15 p.m.—Fashion Talk by "Aunt Edna" of Newcastle, Ltd. Hobart.
 4.40 p.m.—Close down.
 EARLY EVENING SESSION.
 6.30 p.m.—Children's Corner: "Uncle Peter's" half-hour.
 7 p.m.—"Big Brother" chats to his Pals.

NIGHT SESSION.

7.30 p.m.—Musical selection.
 7.35 p.m.—Physical Culture talk by Lieutenant Reginald Ackerhock.
 7.50 p.m.—"aerally" special Thaumaturgic news service.
 8.15 p.m.—Rubber auction produce sales, weather forecasts.
 8.45 p.m.—G.P.O. Clock Chimes.
 9.1 p.m.—Orchestral selections by 7ZL Orchestra, interspersed with numbers from the Studio by the following artists:
 Miss Bertha Marshall (mezzo-soprano).
 Miss Ruby Wallace (soprano).
 Mr. Hugh Taylor (bass-baritone).
 Mr. Thomas Spence (tenor).
 9.20 p.m.—"Mercury" special interative news service.
 Tasmania District Weather reports.
 9 Weather forecasts.
 Station announcements.
 National Anthem.

Tuesday, August 16 2FC, SYDNEY

EARLY MORNING SESSION.

5 a.m.—"Big Ben" and announcements.
 5.15 a.m.—Studio music.
 5.15 a.m.—Country Session. Official weather forecast, rainfall, temperatures, sunrise, sunset, moonrise, moonset, tide gauge, mail service.
 5.25 a.m.—Investment market, mining state market, metal quotations.
 5.35 a.m.—Wool sales, breakfast market, inter-branch markets, produce markets.
 5.45 a.m.—"Sydney Morning Herald" summary.
 5.55 a.m.—"Big Ben." Close down.

MORNING SESSION.

10 a.m.—"Big Ben" and announcements.
 10.15 a.m.—Studio music.
 10.15 a.m.—"Sydney Morning Herald" news service.
 10.30 a.m.—Studio music.
 10.35 a.m.—A talk by the 2FC racing commissioner.
 10.45 a.m.—Studio music.
 11 a.m.—"Big Ben." Marching music for school children.
 11.3 a.m.—A.P.A. and Reuter's cables.
 11.10 a.m.—Studio music.
 11.15 a.m.—A talk on home cooking and recipes by Miss Ruth Farr.
 11.20 a.m.—Close down.

MIDDAY SESSION.

12 noon.—"Big Ben" and announcements.
 12.2 p.m.—Stock Exchange, first call.
 12.5 p.m.—Official weather forecast, rainfall.
 12.55 p.m.—Studio music.
 12.10 p.m.—Summary of "Sydney Morning Herald" news service.
 Rugby wireless news.
 12.35 p.m.—Studio music.
 12.40 p.m.—Marching music for school children.
 12.40 p.m.—Malvernora Morris, mezzo-contralto:
 "The curtain falls" (d'Herold).

THE OAK HALL INSTRUMENTAL TRIO (leader, Mr. Horace Meads).

12.55 p.m.—Studio music.
 1 p.m.—"Big Ben." Weather intelligence.
 1.1 p.m.—"Evening News" midday news service.
 Producers' Distributing Society's report.
 1.20 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 1.25 p.m.—Stock Exchange, second call.
 1.35 p.m.—Marching music for school children.
 1.40 p.m.—Malvernora Morris, mezzo-contralto:
 "If I might come to you" (Bispre).
 1.45 p.m.—Studio music.
 1.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

2 p.m.—"Big Ben" and announcements.
 2.3 p.m.—A recital by the pupils of the Mrs. M. M. Dolenzki.
 2.40 p.m.—Marching music for school children.
 2.45 p.m.—Annie Mills, soprano (from Farmer's Tea House):
 "Buddy" (Lindsay).
 2.50 p.m.—Studio music.
 2.55 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 3.10 p.m.—"aerally" special: "If my song were only winged" (Hahn).
 3 p.m.—Wild Boyer, bass:
 "The Bird Star of the Evening" (Gardner).

THE OAK HALL INSTRUMENTAL TRIO.

3.15 p.m.—Hani Nelson, mezzo-soprano:
 "The Ditties of Love" (Hahn).
 3.25 p.m.—Annie Mills, soprano:
 "The Madcap and His Boy."
 3.35 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
 3.40 p.m.—Anny Herford, soprano:
 "Christina's Lament" (Byronski).
 3.45 p.m.—Wild Boyer, bass:
 "Hills in the mist hills" (Carson).
 3.45 p.m.—Stock Exchange, third call.
 3.45 p.m.—Hilda Nelson, mezzo-soprano:
 "Bird songs at Kewlands" (Costes).
 3.50 p.m.—The Westcott Symphonic Dance Orchestra, under the baton of Mr. Cyril Kaye.

EARLY EVENING SESSION.

4.45 p.m.—The Chimes of 2FC.
 4.50 p.m.—The "Hello Man" talks to the children.
 5.50 p.m.—Story time for the young folk.
 6.10 p.m.—Dinner music.
 7 p.m.—"Big Ben." Late sporting news.
 7.10 p.m.—Delaney's market reports (wheat, wheat and stock).
 7.15 p.m.—Fruit and vegetable markets.
 7.20 p.m.—Weather and shipping news.
 7.30 p.m.—"Evening News" late news service.

NIGHT SESSION.

7.35 p.m.—Programme announcements.
 7.40 p.m.—Madame Reta Vincent, in continuation of her musical lectures, will deal this evening with Wreaths.
 7.58 p.m.—Is it your birthday?
 8 p.m.—"Big Ben."
 The Metropolitan Band (from the Darling Towel Hall).
 (a) March, "Old Commodore" (Tells).
 (b) Overture, "John O' Gaunt" (Hornsey).
 8.15 p.m.—From the Studio. An all-night programme conducted by Mr. Peter Templeton.
 8.15 p.m.—"Scots wha hae" Highland Society's Choir.
 8.25 p.m.—Fanny Dunbar, contralto:
 (a) "The Gipsy and the Boy."
 (b) "Jesus's Dream."
 8.31 p.m.—K. L. Jamieson, vocal number:
 "Standfast on the Brass of War."
 8.35 p.m.—Ella Robertson, violinist:
 "Scottish Fiddle."
 8.41 p.m.—Lawrence Macaulay, baritone:
 "Hundred Pipes."
 8.45 p.m.—"Do you know" competition No. 2.
 8.45 p.m.—The Metropolitan Band (from the Scottish Fiddle Hall):
 (a) Fox Trot, "Song of the Wanderer" (Morel).
 (b) Selection, "Semiramis" (Bressler).
 9 p.m.—"Big Ben." Late Weather forecast.
 9.1 p.m.—Fanny Dunbar from the Sydney Opera, conducted by Mr. Peter S. Templeton:
 1. "With thee be my dearth."
 The Highland Society's Choir.
 9.3 p.m.—E. Sorensen, "Home, Home, Home."
 9.10 p.m.—E. Sorensen, "In the Heather, oh Lads." Peter S. Templeton.
 9.14 p.m.—E. Sorensen, "Turn ye to me."
 Lawrence Macaulay, baritone:
 9.18 p.m.—E. Sorensen, "Oh, Beware Tree."
 (b) "Cello."
 Miss Peggy Dunbar, contralto.



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- 8.35 p.m.—S. Song, "The Border Ballad."
Mr. A. K. Jamieson.
9.30 p.m.—From the Darlington Town Hall, THE METROPOLITAN BAND:
(a) Fantasia, "Souverain of Spain" (Hilmer).
(b) March, "Washington Greys" (Gretalla).
2.45 p.m.—"Now You Know"—Answers to the "Do You Know" Competition, given earlier in the evening.
9.48 p.m.—Continuation of the Scotch items arranged by Mr. Peter S. Templeton.
1. John Anderson, Mr. John.

THE HIGHLAND SOCIETY'S CHOIR

- 10.0 p.m.—S. Song, "The March of the Cameron Men."
Lucyrose, MacIntyre, Harrison.
10.7 p.m.—S. Violin, "Scottish Lullaby."
Miss Rita Huberman.
10.12 p.m.—S. Song, "The Auld Scots"; Peter S. Templeton.
10.16 p.m.—S. Song, A. Fairy's Love Song.
"Robin a' Balloch."
Jessie Forbes.
10.20 p.m.—Shirley Cooke, Songs at the Piano.
10.25 p.m.—The Wentworth Symphonic Dance Orchestra, under the baton of Mr. Cyril Kay.
10.35 p.m.—Shirley Cooke, Songs at the Piano.
10.40 p.m.—The Wentworth Symphonic Dance Orchestra.
10.45 p.m.—Shirley Cooke, Songs at the Piano.
10.57 p.m.—Late news and announcements.
11 p.m.—"Blue Bon." The Wentworth Symphonic Dance Orchestra, under the baton of Mr. Cyril Kay.
11.30 p.m.—National Anthem.
Close down.

2BL, SYDNEY.

Tuesday.

- EARLY MORNING SESSION.
7 a.m.—G.P.O. Clock and chimes. Metropolitan Weather forecast.
7.2 a.m.—State weather report.
7.5 a.m.—News from "Daily Telegraph" Pictorial.
7.15 a.m.—G.P.O. Clock and chimes. Fruit Market report.
7.28 a.m.—Vegetable Market Report.
7.40 a.m.—A.M. and J. Co.'s report.
7.24 a.m.—Daily Farm Produce Market Report.
7.35 a.m.—Poultry Market report.
7.50 a.m.—G.P.O. Clock and chimes. Musical programme from studio.
8.0 a.m.—News from the "Daily Telegraph" Pictorial.
8.11 a.m.—Boats in call by wireless.
8.15 a.m.—Mail information, shipping arrivals and departures, and port directory.
8.45 a.m.—G.P.O. Clock and chimes. News from "Daily Telegraph" Pictorial.
9 a.m.—G.P.O. Clock and chimes. Close down.
MORNING SESSION.
10.20 a.m.—G.P.O. Clock and chimes. Musical programme from studio.
10.40 a.m.—News from "Daily Telegraph" Pictorial.
10.50 a.m.—Musical programme from the studio.
11 a.m.—G.P.O. Clock and chimes. Announcements.
11.15 p.m.—Musical programme from the studio.
11.15 p.m.—Social Notes. Replies on correspondents by Mrs. Jordan. Talk on "Music Tunes" by Mr. Adams.
12 noon—G.P.O. Clock and chimes. Special Ocean forecast and weather report.
12.5 p.m.—Musical programme from the studio.
12.15 p.m.—Information. Mails, Shipping, and port directory.
12.18 p.m.—Boats in call by wireless.
12.50 p.m.—Fruit Market report.
12.55 p.m.—Vegetable Market report.
12.59 p.m.—London Metal Market report.
1.00 p.m.—Daily and Farm Produce market reports.
1.30 p.m.—G.P.O. Clock and chimes. Farm market report.
1.32 p.m.—Fruit Market report.
1.34 p.m.—Vegetable Market report.
1.36 p.m.—News from the "Sun."
1.45 p.m.—Bilgus Instrumental Quartet—direction—Carl Costing.

- 1.49 p.m.—G.P.O. Clock and chimes. Talk to children, and special entertainment for children in hospital.
2 a.m.—G.P.O. Clock and chimes. Close down.
AFTERNOON SESSION.
2.05 p.m.—Musical broadcast immediately after each race by courtesy of the "Sun."
2.10 p.m.—G.P.O. Clock and chimes. News from the "Sun."
2.15 p.m.—Civil Service Stores Trio—direction from the Coventry House.
2.30 p.m.—G.P.O. Clock and chimes. News from "Sun."
2.40 p.m.—Musical programme from the studio.
2.50 p.m.—News from "Sun."
3 p.m.—G.P.O. Clock and chimes. Civil Service Stores Trio.
3.15 p.m.—Special Story.
3.25 p.m.—Musical programme from the studio.
3.30 p.m.—News from "Sun."
3.35 a.m.—Racing Results.
3.42 p.m.—Resume of night's programme.
3.45 p.m.—Announcements and News on.
3.50 p.m.—Special Ocean forecast.

- 3.55 p.m.—G.P.O. Clock and chimes. Close down.
EARLY EVENING SESSION.
2.45 p.m.—G.P.O. Clock and chimes. Daily News and the Kiddies.
2.50 p.m.—Musical programme from the studio.
SPECIAL COUNTRY SESSION.
3 p.m.—G.P.O. Clock and chimes.
Australian Meranville Land and Finance Office report.
Weather report and forecast by courtesy of Govt. Meteorologists.
Producers Distributing Society's Fruit and Vegetable Market reports.
Stock Exchange reports.
Grain and Fodder report ("Sun").
Daily Produce report ("Sun").
7.15 p.m.—Country News from the "Sun."
7.45 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 Casser 9.00 p.m.—Broadcasters' Light Orchestra under the direction of Mr. J. Knight Barnett.
9.10 p.m.—Mr. Stanley R. Callett, tenor.
9.20 p.m.—Mr. George W. Walton, violinist.
9.30 p.m.—Miss Leonora Gotsch, soprano.
9.47 p.m.—Mrs. Lawrence Campbell, choristess.
9.55 p.m.—Miss Heather Kinnaird, contralto.
9 p.m.—G.P.O. Clock and chimes. Weather report and forecast by courtesy of Mr. C. J. Marx, Govt. Meteorologist.
9.25 p.m.—Broadcasters' Light Orchestra.
9.10 p.m.—Mrs. Herbert Hinchcliffe, baritone.
9.15 p.m.—Mr. Gerald Walton.
9.20 p.m.—Duet, Mr. Stahley Callett and Mr. Herbert Hinchcliffe.
9.54 p.m.—Miss Leonora Gotsch.
9.55 p.m.—Broadcasters' Light Orchestra.
9.41 p.m.—Mr. Stanley R. Callett.
9.55 p.m.—Resume of following day's programme.

- 10 p.m.—G.P.O. Clock and chimes.
10.1 p.m.—Mr. Herbert Hinchcliffe.
10.2 p.m.—Miss Heather Kinnaird.
10.15 p.m.—The Ambassadors Dance Band broadcast from the ballroom of the Ambassadors. During the intervals between dances "Sun" news will be broadcast.
12 midnight—G.P.O. Clock and chimes.
National Anthem.

2GB, SYDNEY

Tuesday.

- MORNING SESSION.
9 a.m.—Music.
9.5 a.m.—Chorus Talk.
9.15 a.m.—Music.
9.25 a.m.—Talk.
9.40 a.m.—Music.
9.45 a.m.—Health and Diet.
10 a.m.—Close down.
AFTERNOON SESSION.
3.30 p.m.—Music.
3.37 p.m.—Address by Mr. A. E. Bennett.
3.50 p.m.—Music.
4.15 p.m.—Address, Miss E. Hallstrom.
4.30 p.m.—Music.
4.35 p.m.—Close down.

3LO, MELBOURNE.

Tuesday.

- MIDDAY SESSION.
12 noon—The Official Metal Prices received by the Australian Mining and Metals Association from the London Stock Exchange this day. British Official Wireless News from the London Stock Exchange and the Australian Press Association. Cables, "Argus" News Service.
12.15 p.m.—COMMUNITY SINGING in the Amphitheatre, Mr. G. J. Mackay, assisted by the STUDIO ORCHESTRA.
SIGNOR PALMETTO, Tenor:
"Sing Me to Sleep."
"Home, Sweet Home."
ELSIE DAVIES, Soprano:
"Daddy in Our Alley."
"My Mother Did Me Blind Me Bad"
"Hallelujah."
1.45 p.m.—Stock Exchange Information, Meteorological Information; Shipping Intelligence; Weather Forecast for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Reports; Rainfall for Victoria, Tasmania, South Australia and New South Wales.
AFTERNOON SESSION.
2.0 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
"What's the Use of Crying" (Forbesia).
"Hello, Hello!" (Frisco).
"Brown Eyes, In Your Dreams" (Tennent).
"Just a Dip's Eye View" (Berlin).
2.10 p.m.—"AU FAIT."
"Fashion Talk."
2.20 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
"If You See Sally" (Lombard).
"Forgotten" (O'Hagan).
"My Sweetheart"
"Because I Love You" (Berlin).
2.30 p.m.—LESLIE KILLITT, Comedian:
"Really, One Never Knows, Does One?"
"Oh, Ferry, You Nearly Made Me Blind" (Elliott).
2.42 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
"Chinese Moon" (Nashua).
"I'm on My Way Home" (Berlin).
"Camille" (Sherman).
"Sweet Water" (De Rose).
2.52 p.m.—SIDNEY BURCHALL, Baritone:
"Garden of Allah" (Marshall).
"Now Sleeps the Crimson Petal" (Quiser).
3.0 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
"Perhaps You'll Think of Me" (Stout).
"Hollywood" (Herry).
"Daddy's Girl" (Swift).
"The Original Black Bottom" (Banister).
3.10 p.m.—HUKIHAM'S SERENADES:
In a "Wabcock Country Musical Revue":
"I'm THE FARMER'S BALL."
Edith Hutcham.
Bess Miller.
Lena Deane.
Hugh Hutcham.
Dolly Burdett.
Johnny Marks.
Ernie McLean.
3.20 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
"Climbing up the Ladder of Love."
"Let's all Hurray Ford" (Roth).
"Hello, Little Girl of My Dreams" (Derk).
"Sunday" (Miller).
3.35 p.m.—MATION MORELAND:
"Motherland."
3.44 p.m.—"Herald" News Service: Stock Exchange Information.
3.50 p.m.—Close Down.
EVENING SESSION.
5.30 p.m.—News and Letters and Birthday Greetings by "MARY GUMBLE."
6.0 p.m.—STUDIO ORCHESTRA:
"In the Farm" (Goldman).
6.10 p.m.—A FAIRY TALE for children of all ages, presented by the pupils of MISS YETTY LANDAU:
"LOST HEARTS."
Fringing Cast:
Dorothy Balthus
Fairy Queen Queenie Hall
Cupid Ellis Havel
Puck Theama Hall
Fairy Bunch Dorothy Balthus



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GEORGE ST., SYDNEY

3AR, MELBOURNE

And
 Prince Charming Lily Reynolds
 SCENE: A GLADE IN THE FOREST.
 TIME: MIDNIGHT.
 Songs (Individual and Duo):
 "The Little White Bird of Dreams"
 "THE FAIRY QUEEN"
 "A Wedding in Fairyland"
 FALBY RIVERBELL
 Incidental Music by MISS ROSA ROSEN.
 A.L.C.M.

All the characters in the play are portrayed by children under 13 years of age.
 6.40 p.m.—Official Report of Newmarket Stock Sales by the Associated Stock and Station Agents, Bourke Street, Melbourne; Number of Hens and Chicks drawn for week's sales.
 6.45 p.m.—"Herald" News Service; Weather Synopsis; Shipping Movements.
 6.51 p.m.—Fish Market Report by J. R. Roberts, Ltd., Rabbal Place; Radio Reports by the Melbourne Wool Brokers; Egg Market Report.

7.0 p.m.—River Reports.
 7.15 p.m.—Market Reports of Fruit by the Victorian Fruitgrowers' Association.

NIGHT SESSION.
 7.15 p.m.—"MAMA GO AWAY!"
 "The Adventure of the Blue and Gold"
 7.30 p.m.—Under the Auspices of the University Extension Board, Mr. C. R. LONG, B.A., will speak on:
 "Along the Victorian Coast with the Adventure Base."

7.45 p.m.—AL KARASICK, Heavyweight Champion of Russia, will speak on:
 "Boxing a Hot Road."
 8.0 p.m.—STUDIO PRESENTATION OF THE OPERA "FAUST," Part II. Under the Direction of J. STETTON CROW, assisted by THE STUDIO ORCHESTRA and ALBURN METZBOTH CHORUS.
 CAST:

Faust JOHN J. SULLIVAN, Tenor
 Mephistopheles THOMAS GEORGE, Bass
 VALENTINE.
 J. ALEXANDRA BROWNE, Baritone
 Wagner D. DAVIES, Bass
 Margarete D. DAVIES, Soprano
 Siebel IMA LILLYCRAE, Soprano
 Martha MYRTLE WALLCOTT, Mesopiano.
 8.15 p.m.—Announcement: THE T.V.A. AUTOMOBILE DIVISION OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS FOR EVERYBODY:
 "Safety, security, success."

An empty train of thought is not very good as a little wheel-barrow of ideas."
 8.31 p.m.—STUDIO ORCHESTRA
 & GLEE CLUB (PART).

8.45 p.m.—Presentation of S/O SHIELD to the MELBOURNE UNIVERSITY HIFLE by Major-General H. W. Grimwood, G.B., C.M.G., V.D. Commander of the Fifth Infantry Division.

8.55 p.m.—LILLIE DAVIES Soprano
 "I Pined My Lovely Casanova as Night"
 (Soprano).
 "Ave Maria," with Violin Obligato (Duetted) by Bertha Jorgensen.

9.02 p.m.—Meteorological Information; British Official Wireless News from Rugby; Sporting News by "Gipsy."

9.12 p.m.—SIGMOR PALMETTO, Tenor:
 Two Romantic Ballads.

9.15 p.m.—TUDOR BRESTRA:
 "Gems of Tashkavsky."

9.25 p.m.—Mr. A. W. JACKSON, Amateur Championship of Victoria (Solo)
 "Comanche in the Day Play."

9.35 p.m.—MILDRED AND CONNIE.
 Song, with Piano and Violin, "Tim Blue Every Sunday."

Song, "He's the Last Word."
 9.45 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS.
 "Star Foot."
 "How Long Must I Wait for You?"
 "Pretence (Male)."
 "It's a Moon is Better Than No Moon at All" (Requiem).

9.51 p.m.—CHILDREN'S THOUGHT.
 "Gems is nothing more than our common faculties refined to a greater intensity. There are no astonishing ways of doing astonishing things. All astonishing things are done by ordinary material."
 —R. H. HAYDON.

10.1 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS.
 10.45 p.m.—GOD SAVE THE KING.

MORNING NEWS SESSION.

11.0 a.m.—11.30 a.m.
 FRIDAY CONCERTE
 Presented from 7.00 to 8.00 a.m., 300 Collins Street (for exclusive permission of Wills and Winton, Ltd.) on the Brunswick Fireproof.
 MATINEE SESSION
 ORCHESTRAL CONCERT.

1.20 p.m.—Studio Orchestra.
 "Oh! The Lake of Geneva," Parts 1 and 2
 1.40 p.m.—Alfred D. Brown-Jones, Contralto:
 "Lament of Isis" (Bantock).
 "Sweet Pot Song" (Hull).

2.00 p.m.—Studio Orchestra.
 "In a Persian Garden" (Lohmann).
 "Huslan Festival" (Zawadzki).
 "The Royal Procession" (Cello)
 "Pavane" (Liszt).

2.14 p.m.—Studio Orchestra.
 "Infernales" (Sofie Ljungstrom) (Horn).
 "Sonic" (Gordon) (Trumpet).
 2.30 p.m.—Miss D. Brown-Jones, Contralto:
 "Dance Song" (Wanderer).
 "Wind Song" (Kopel).
 2.45 p.m.—Studio Orchestra.
 Selection, "The Balaban" (Gardiner).
 "Heart of Dream" (Zawadzki).
 4.0 p.m.—G.P.O. Clock Says "Four."

4.15 p.m.—Studio Orchestra.
 4.45 p.m.—Mr. Ralph Thompson, Baritone:
 "The Two Breadstreaks" (Schumann).
 "Star of Eve" (Wagner).

4.55 p.m.—Studio Orchestra.
 "A Furioso" (Roberts).
 "Cavities" (King).
 4.55 p.m.—Mr. Ralph Thompson Baritone:
 "The Stars That Once" (Mozart).
 "The Mistrated Boy" (Moore).

4.55 p.m.—Studio Orchestra:
 "Where No Water Flow" (André).
 "The Passion" (Zawadzki).
 5.00 p.m.—To-night's Entertainment.
 5.10 p.m.—G.P.O. Clock Says "Five."

5.20 p.m.—Studio Orchestra.
 CHILDREN'S SESSION
 "The Captain's School Life and School Sport for the Boys and Girls of Australasia."

5.35 p.m.—Market Reports; Notices.
 5.40 p.m.—G.P.O. Clock Says "Eight."
 8.1 p.m.—The Glenn Trio
 Selection from "The Four Flowers" (Bissi),
 "Fountain" (Ferguson) (O'Leary).

8.15 p.m.—Mr. Alan Bell, Conductor:
 Eight Minutes of Music and Nonsense.
 8.15 p.m.—Miss Marie Haines, Soprano:
 "Nightmare" (Haines) (Solo).
 "The Cuckoo Chorus" (Solo).

8.20 p.m.—Announcements.
 8.30 p.m.—Mr. Leslie Jughait, Tenor:
 "How I Enjoyed" (Crick) (Solo).
 "I'm a Lompin' for you" (Hathaway).

8.35 p.m.—The Two Waifs, Popular Duo:
 Harmony Numbers with melody Tuning.
 "Wagner, Wring Wagon on Bus" (Williams)
 "That Sweet Delishious Song" (Steinhorn).

8.45 p.m.—Mr. Harold Webb, Baritone:
 "I'm in the Balthazarian quill" (Anna), from
 "O' Bally in Maunster" (Verill).
 8.6 p.m.—The Glenn Trio:
 "Lance Potatoes" (Piddin).
 "Vienna Songs" (Dunn Brook).

8.11 p.m.—Mr. Alan Bell, Conductor:
 The Popular Harmonies in an Interlude of Myth and Nonsense.
 8.15 p.m.—Miss Marie Haines, Soprano:
 "The Lonesome Yankee" (Piddin).
 "The Market" (Solo).

8.20 p.m.—Announcements.
 8.30 p.m.—Mr. Leslie Jughait, Tenor:
 "How I Enjoyed" (Crick).
 "Passing By" (Warred).

8.35 p.m.—The Two Waifs, Popular Duo:
 Four Harmonies Numbers:
 "Wagner, Wring Wagon on Bus" (Williams)
 "My Cuckoo's Durn at Two, to Two"
 (Dunn).

8.45 p.m.—Miss Heather Phillips, Soprano:
 "The Black Prince" (Wald).
 "Two Russian Folk Songs" (Kreider).

8.50 p.m.—Mr. Harold Webb, Baritone:
 "Ira Finner" (Ireland).
 "When Thy Blue Eyes" (Lansen).
 10.0 p.m.—G.P.O. Clock Says "Seven."
 10.10 p.m.—"The Age" News Bulletin exclusive to 3AR.

10.15 p.m.—Dance Hour: Leggett's Ballroom Orchestra, Cleveland St. (Harve Waugh).
 10.55 p.m.—To-morrow's Entertainment.
 10.55 a.m.—Weather Forecast.

10.50 p.m.—Our Australian Good-Night
 Tonight.
 And thy health and strength are beyond
 counting.
 As the holy Jew that are worth
 praising.
 May the days to come be as rich in
 blessing.
 As the days we spent in the laid
 days.
 (From "Black Swan")
 —A. H. PATERSON.

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

7Q, BRISBANE.

Tuesday, MIDDAY SESSION.
 1 p.m.—Market reports; weather information;
 "The Daily Mail" and "The Daily Standard"
 news.
 FROM HOTEL CARLTON.
 2.20 p.m.—Lullaby music played by Nabe Carl-
 son Symphonic Orchestra.
 FROM THE OBSERVATORY.
 1.55 p.m.—Standard time signal.

2 p.m.—AFTERNOON SESSION
 A PROGRAMME OF MUSIC FROM THE
 STUDIO:
 4.15 p.m.—"Telegraph" news.
 4.50 p.m.—Close down.

KARLY EVENING SESSION.
 6.00 p.m.—"Daily Standard" news; announce-
 ments.
 6.15 p.m.—Lecturers, "The World of Our
 Separates" by Mr. Healey Hyde.
 6.30 p.m.—The children's session: Stories by
 "Uncle Jim."

7.1 p.m.—Special news service; market reports;
 stock reports.
 7.30 p.m.—Weather news; announcements.
 7.45 p.m.—Standard time signal.

7.45 p.m.—Lecturers: (Motorists), "Correct
 Lubrication" by Mr. H. de la Haye.
 NIGHT SESSION.
 ORGAN RECITAL.

The first portion of the programme will com-
 prise a short Organ Recital by Mr. A. R.
 Wood, relayed from Wharf Street Congrega-
 tional Church.
 FROM WHARF STREET CONGREGA-
 TIONAL CHURCH:
 8 p.m.—Organ Recital.

8.30 p.m.—Male quartets: "Little Red"
 (Dunlop), Anglo Male Quartet; overture
 "Lustspiel" (Keefer Bell), Mr. Matthews
 Cadena Quartet; "I'll Await Thee"
 "There's a Song Done Every Roadway"
 (Wood), Miss Dolly Brewster; a thought for
 tonight (Will H. Hines); "The Joy of
 Life"; "Guns and Cartridges" (Will H.
 Hines); "My Heart at the Sweet Voice" (Solo)
 Haines), Miss Clara Matthews (accompanied
 by the Cadena Pleural Club); recitativo
 solo, "I Think" (D'Hardesty), Miss
 Spenser; waltz, "Aval of the Rose"
 (Koffe); the Cadena Pleural Club accom-
 panied solo, "O Flower Divine" (Wood), Miss Eliza
 Treagay.

FROM THE STUDIO:
 9 p.m.—Metropolitan weather forecast; lamp
 selections—(a) "Ragtime Blues" (b) "Rocks
 and the Regiment" (c) "Merry and Mr.
 Richardson" (d) "The King" (e) Miss Ellen
 Melancon, tenor solo, "The Hawk" (Con-
 singer Clark), Mr. C. R. Koth, male qua-
 rters, "Home Sweet Home" (Parker), the
 Anglo Male Quartet, "I'll Await Thee"
 (Chimney Corner) (Solo), Miss Clara Mathe-
 wson, Miss Ella Beckwith and Mr. J.
 Hunter; bass solo, "The Woods" (Lester).
 Mr. R. Pike; waltz, "The Good
 Bye" (Barry), Mr. C. R. Koth and Mr. E.
 Pike; march, "The Black Prince" (Wald).



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the Cadence Electrical Club; baritone solo. "When the Sweetest-Mary's on Parade" (Longstaff), Mr. A. F. Nordberg, soprano solo. "Sing Again Ode Song to Me" (Saitta), Mrs. L. Hunter (accompanied) by the Cadence Electrical Club; male quartette. "Stars of the Evening Night" (Parkes), the Anglo Male Quartette.

FROM THE STUDIO:
14 p.m.—"The Daily Mail" news, weather news, Close down.

5CL, ADELAIDE.

Tuesday.

MORNING SESSION.

12 noon—Chimes.
12.5 p.m.—Studio Music.
13.15 p.m.—"Advertiser" news service, and market reports.
14.45 p.m.—Studio music.
1 p.m.—"Advertiser" news service.
1.55 p.m.—Relay from the Royal Cafe—League of Nations Union Address.
2 p.m.—Chimes, Star Exchange Intelligence, official weather bulletin. Close down.

AFTERNOON SESSION.

2 p.m.—Chimes.
2.1 p.m.—Relay from the Maple Leaf Cafe—Orchestra selections.
3.45 p.m.—I from the Studio—Talk by the Rev. C. E. Hale, B.A.
4.1 p.m.—Chimes.
4.1 p.m.—Relay from the Arcadia Cafe—Orchestra selections.
4.55 p.m.—Station announcements.
5 p.m.—Chimes and close down.

EVENING SESSION.

8 p.m.—Chimes.
8.1 p.m.—Dinner music by the Covent Garden Orchestra.
8.30 p.m.—Bedtime stories by Uncle Jack and Uncle Radio.
8.45 p.m.—Running time of the East West Express.
8.45 p.m.—Bedtime stories continued.
7.25 p.m.—Market reports, Stock Exchange Intelligence, Headly Green's reports, Automobile Association Bulletin, Dairies, Fish Market reports.
7.15 p.m.—Gardening Talk by "Spade."
7.45 p.m.—Home Beautiful Talk by "Dignus."
8 p.m.—Chimes.
8.1 p.m.—Relay Holden Band.
8.11 p.m.—Vera Gøtler, dramatic soprano.
8.15 p.m.—20 minutes with Will Runge the Dral Comedian.
8.15 p.m.—Holdens Band.
8.55 p.m.—Vera Gøtler, dramatic soprano.
8.43 p.m.—Holdens Band.
8.52 p.m.—Will Runge the Dral Comedian to humorous entertainment.
8.1 p.m.—Official weather reports.
8.2 p.m.—Daiery's wheat report.
8.3 p.m.—Clady Michie, contralto.
8.18 p.m.—Holdens Band.
8.30 p.m.—Dr. Phil.
8.41 p.m.—Relay Holden Band.
8.55 p.m.—Katie Yeager, violin.
9 p.m.—"Advertiser" news service, Wireless Shipping, Willoughby's weather service.
10.15 p.m.—Holdens Band.
10.25 p.m.—Clady Michie, contralto.
10.28 p.m.—Messrs. Smith and Dickie, baritone solo.
10.35 p.m.—Katie Yeager, violin.
10.38 p.m.—Clady Michie, contralto.
10.41 p.m.—Messrs. Smith and Dickie, baritone solo.
10.47 p.m.—Katie Yeager, violin.
10.52 p.m.—Messrs. Smith and Dickie baritone solo.
10.57 p.m.—Tomorrow's programme, Station announcements, weather bulletin, National Anthem.

7ZL, HOBART.

Tuesday.

MORNING SESSION.

11 a.m. to 10 noon.
AFTERNOON SESSION.
3 p.m.—G.P.O. Clock Chimes.
3.5 p.m.—Time in selected.
8 p.m.—Robert Stock Exchange quotations.

Weather information.
Items of interest: Astronomical.
1.15 p.m.—Musical items from the Studio.
2.30 p.m.—Broadcast by direct wire from North Hobart Oval, Eye-witness description of Interstate Schoolsboys' Football Match, Tasmania v. New South Wales, by "Dusloker".
Close down.

EVENING SESSION.

8.10 p.m.—Children's Corner by "Duke Peter"
9 p.m.—"Big Ben" choir to his Plea.
NIGHT SESSION.
7.30 p.m.—Musical selection.
7.50 p.m.—Literary Lapses and Literary Lists, by Mr. W. E. Fuller.
7.55 p.m.—"Mercury" special Tasmanian news service.
Railway auction produce sales.
Weather forecasts.
Robert Stock Exchange quotations.
8 p.m.—G.P.O. Clock Chimes.
8.15 p.m.—Broadcast by direct wire from Imperial Hotel, Hobart, Dance numbers by Mrs. Sheppard's Trio, interspersed with items by Miss E. Henry (contralto), Miss Jean Hubbard (soprano-contralto), Mrs. H. Saunders (accompanied), Miss Holly Preece (pianist), Mr. George Muir (tenor), Mr. J. Hight (baritone solo).
8.20 p.m.—British Official Wireless News.
8.50 p.m.—"Mercury" special Tasmanian news service.
Ships within wireless range.
Weather reports.
9 p.m.—Weather forecasts, station announcements.
National Anthem.

Wednes., August 17 2FC, SYDNEY

EVENING SESSION.

7 p.m.—"Big Ben" and Announcements.
7.15 p.m.—Studio music.
7.15 p.m.—Country Section: (official weather forecast, rainfall, temperatures, astronomical observations, shipping intelligence, mail services).
7.25 p.m.—Investment market, mining share market, metal quotations.
7.35 p.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.
10.35 a.m.—"Sydney Morning Herald" news service.
11.30 a.m.—Studio music.
10.35 a.m.—Studio music.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben." Marching music for school children.
11.5 a.m.—A.P.A. and Reuter's Cable.
11.55 a.m.—Studio music.
11.55 a.m.—A talk on home cooking and recipes by Miss Ruth Foss.
11.55 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
12.5 p.m.—Stock Exchange, first call.
1.25 p.m.—Official weather forecast, rainfall.
1.55 p.m.—Studio music.
12.10 p.m.—Summary of "Sydney Morning Herald" news service, Rapid wireless news.
12.35 p.m.—Studio music.
12.35 p.m.—Marching music for school children.
12.40 p.m.—Fossé Brakel, contralto:
"O Western Wind" (Drabes).
12.45 p.m.—The Oak Hall Instrumental Trio.
12.55 p.m.—Studio music.
1 p.m.—"Big Ben" Weather intelligence.
1.15 p.m.—"Evening News" midday news service. Producers Distributing Society's report.

1.20 p.m.—The Oak Hall Instrumental Trio.
1.25 p.m.—Stock Exchange, second call.
1.30 p.m.—Marching music for school children.
1.40 p.m.—Fossé Brakel, contralto.
"Invocantion to the Nile" (Bantock).
1.45 p.m.—Studio music.
1.50 p.m.—The Oak Hall Instrumental Trio (Lindsay, Mr. Horan Seale).
2 p.m.—"Big Ben" Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.
3.5 p.m.—KA/GREEN HORNE, soprano:
"Whisper Is-a-leaf" (Lohr).
4 p.m.—Studio music.
4.15 p.m.—A Reading.
4.30 p.m.—Marching music for school children.
4.40 p.m.—Joyce G. Hooper, soprano:
"The Shepherdess" (Pitt).
4.45 p.m.—Studio music.
4.55 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
4 p.m.—"Big Ben."
4 p.m.—KA/GREEN HORNE, soprano:
"Foggy Dublin, contralto:
"My Ah, Fog" (Lohr).
4.5 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
"If my little son of mine" (De Riego).
4.55 p.m.—Joyce G. Hooper, soprano:
"A little boy met me last year" (Lohr).
4.55 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
4.55 p.m.—Kathleen Harro, soprano:
"John" (Lohr).
4.55 p.m.—Foggy Dublin, contralto:
"To a Minstrel" (Drabes).
4.45 p.m.—Stock Exchange, third call.
4.45 p.m.—Elsie Haining, contralto:
"O Lovely Night" (Rowland).
4.50 p.m.—THE WENTWORTH SYMPHONIC DANCE ORCHESTRA, under the baton of Mr. Cyril Kaye.
5 p.m.—"Big Ben" Close down.

EVENING SESSION.

8.45 p.m.—The Chimes of 2FC.
8.50 p.m.—"The Hello Man" talks to the club.
9 p.m.—Chimes.
9.15 a.m.—Uncle Ben and "Jerry."
9.30 p.m.—Story time for the young folk.
9.45 p.m.—Dinner music.
9.50 p.m.—"Big Ben" and sporting news.
7.15 p.m.—Market's market reports (wheat, wheat and stock).
7.15 p.m.—Fruit and vegetable markets.
7.20 p.m.—Weather and shipping news.
7.25 p.m.—"Mercury" news service.
NIGHT SESSION.
7.45 p.m.—Programme announcements.
7.50 p.m.—Studio music.
7.55 p.m.—"Is it your birthday?"
8 p.m.—"Big Ben."

THE LYRIC WINTER GARDEN THEATRE ORCHESTRA.
8.10 p.m.—Lawrence Manning, baritone:
(a) "Piper's Song" (Schonkowsky).
(b) "A Song Remembrance" (Usher).
8.15 p.m.—Ewart Clugge, pianoforte solo.
8.25 p.m.—THE LYRIC WINTER GARDEN THEATRE ORCHESTRA.

8.30 p.m.—FROM THE STUDIO:
A Mark Trial, entitled
"THE TRIAL OF ROBERT TENORE";
A competition in which fourteen teams (with a known from 2FC stations) will contact, mail voice representing a personality who regularly broadcasts. Copies are available in the "Wireless Weekly" and "Listening-In."

BAIRD MUCK TRIAL: The prize in this competition are as follows:—1st, £10; 2nd, 10/-; 3rd, 10/-; 4th, 7/6; 5th, 10/-; 6th, 10/-; 7th, 10/-; 8th, 10/-; 9th, 10/-; 10th, 10/-; 11th, 10/-; 12th, 10/-.

All entries will be examined and placed in order of merit. If more than one correct solution is received, the prize will be drawn by lot. Should no correct solution be correct that of the characters, the other couples will then be drawn as in order of merit until the twelve prizes are allotted.
THE LYRIC WINTER GARDEN THEATRE ORCHESTRA:
Jimmy Elkins and his Jazz Band.
8.45 p.m.—Elsie Haining and "Jerry."
8.45 p.m.—Elsie Haining and His Cracklers, in popular Dance numbers.

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2 Volt Units with Dagenite Containers.

Type and Size.	Capacity Aet.	Inter.	Dimensions without Crate.			Weight, lbs.	Price Complete without Crate.
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BD5R	32	64	6½	17½	8	6½	£1 3 6
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Weight (including acid), 8½ lbs. approx.

PRICE: Excluding Acid, 30/- per 20 volt unit.

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30 Wentworth Avenue, Sydney.

- 9.50 p.m.—Ernst Gibb:
Garcia's Sketch "Gibb" (arr. Gibb).
- 10.15 p.m.—Laurence Maszlay, baritone:
(a) "Rolling down to Rio" (German).
(b) "O Flower of all the world" (Finnish).
- 10.30 p.m.—"Big Fish"
Charles Lawrence, entertainer:
(a) "The Two-toes to Tooting" (Revels).
(b) "There's a trick in picking a chicken" (Fritz).
- 10.45 p.m.—Al Jack and His "Crackerjacks" Dance members.
- 10.48 p.m.—Laurence Halbert, baritone:
Popular songs.
- 10.55 p.m.—THE LYRIC WINTER GARDEN THEATRE ORCHESTRA:
Jimmy Atkins and his Jazz Band.
- 10.57 p.m.—Scott Alexander, comedy sketch.
- 10.58 p.m.—Al Jack and his "Crackerjacks".
- 10.59 p.m.—Late news and announcements.
- 11 p.m.—"Dir Ben."
Al Jack and his "Crackerjacks" in Dance numbers until 11.30 p.m.
- 11.30 p.m.—National Anthem.
Close down.

2BL, SYDNEY.

Wednesday.

EARLY MORNING SESSION.

- 7 a.m.—G.P.O. Clock and Chimes.
Metropolitan Weather forecast.
- 7.2 p.m.—State Weather report.
- 7.4 a.m.—News from the "Daily Telegraph" Pictorial.
- 7.18 a.m.—G.P.O. Clock and Chimes.
Fruit Market report.
- 7.25 a.m.—Vegetable Market Report.
- 7.30 a.m.—M.L. and F. C.'s report.
- 7.42 a.m.—Dairy Farm Produce Market report.
- 7.58 a.m.—Poultry Market report.
- 7.59 a.m.—G.P.O. Clock and Chimes.
Musical programme from the Studio.
- 7.59 a.m.—News from the "Daily Telegraph" Pictorial.
- 7.11 a.m.—Boats in Call by Wireless.
- 7.55 a.m.—Mail information.
Shipping Arrivals and Departures, and Post Directory.
- 7.48 a.m.—G.P.O. Clock and Chimes.
News from the "Daily Telegraph" Pictorial.
- 8 a.m.—G.P.O. Clock and Chimes.
Close down.

MORNING SESSION.

- 11 a.m.—G.P.O. Clock and Chimes.
Musical programme from the Studio.
- 11.15 a.m.—Talk on "Walking Tours" by Miss Gwen Varley, Broadwaters' Women's Social Union—Response to Correspondents by Mrs. Jordan.
Talk on "Hospital Hygiene" by a member of Dental Board.
- 12 noon.—G.P.O. Clock and Chimes.
Special Ocean Forecast and Weather report.
- 12.3 p.m.—Musical programme from the Studio.
- 12.15 p.m.—Information—Mail, Shipping, and Post Directory.
- 12.19 p.m.—Boats in call by wireless.
- 12.20 p.m.—Fruit Market report.
- 12.22 p.m.—Vegetable Market report.
- 12.24 p.m.—London Metal Market report.
- 12.28 p.m.—Dairy and Farm Produce Market report.
- 12.30 p.m.—G.P.O. Clock and Chimes.
Fruit Market Report.
- 12.31 p.m.—Fish Market report.
- 12.34 p.m.—Rabbit Market report.
- 12.36 p.m.—News from the "Sun."
- 12.45 p.m.—Hilary's International Quartette, director, Caryl Conling.
- 1.30 p.m.—G.P.O. Clock and Chimes.
Talk to Children and Special Entertainment for Children in Hospital.
- 3 p.m.—G.P.O. Clock and Chimes.
Musical programme from the Studio.

AFTERNOON SESSION.

- Racing information broadcast immediately after each race, by courtesy of the "Sun."
- 3.10 p.m.—Racing resume.
- 3.15 p.m.—News from the "Sun."
- 3.25 p.m.—Operatic Talk. "The Great Composer."
- 3.40 p.m.—G.P.O. Clock and Chimes.
News from the "Sun."
- 3.10 p.m.—Musical programme from the Studio.
- 3.20 p.m.—Talk on "How to Maintain Your Health" by Dr. De Maurier.
- 3.48 p.m.—Anne Henderson and Her Hapsont-Gris, broadcast from the Dugswang Coliseum.
- 4.45 p.m.—News from the "Sun."
- 4.58 p.m.—Racing resume.
- 4.52 p.m.—Resume of night's programme.
- 4.58 p.m.—Announcements and "Wail's Oa."
- 5.10 p.m.—G.P.O. Clock and Chimes.
Close down.

EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. Clock and Chimes.
Uncle Ross and the Kites.
Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. Clock and Chimes.
Australian Metastatic, Land and Finance C.A.'s report.
Weather report and forecast, by courtesy of Government Meteorologists.
Producers' Distributing Society's Fruit and Vegetable Market report.
Stock Exchange quotes.
Grain and Fodder report ("Sun").
Dairy Produce report ("Sun").
N.I.R.A. Talk.
- 7.15 p.m.—Country news from the "Sun."
- 7.30 p.m.—Talk by a member of the St. John's Ambulance Brigade.

NIGHT SESSION.

- 8 p.m.—G.P.O. Clock and Chimes.
Broadwaters' Topical Chorus.
- 8.3 p.m.—The Canterbury District Band.
Ruskinerum, Mr. Gus, Nicholas, broadcast from Baker's Hall, Camperdown.
- 8.23 p.m.—Mr. Harrison Allen (Kioskotist), in selections from his Repertoire.
- 8.31 p.m.—Miss Millie Hughes (soprano).
- 8.35 p.m.—Broadwaters' All-Sports Expert will talk on Boxing.
- 8.40 p.m.—Mr. Raymond Beatty (bass).
- 9 p.m.—G.P.O. Clock and Chimes.
Weather report and forecast, by courtesy of Mr. C. J. Mates, Government Meteorologist.
- 9.2 p.m.—Sis and Molly Green, and Jack Northcote, in a melody of Jazz.
- 9.27 p.m.—Mr. Harrison Allen.
- 9.30 p.m.—Duet: Miss Millie Hughes and Mr. Raymond Beatty.
- 9.35 p.m.—The Canterbury District Band.
- 9.45 p.m.—Resume of following day's programme.
- 10 p.m.—G.P.O. Clock and Chimes.
- 10.1 p.m.—Miss Millie Hughes.
- 10.2 p.m.—Mr. Raymond Beatty.
- 10.15 p.m.—Gee Morrison and his Gloom-chasers broadcast from the Ballrooms of the Bondi Casino. During intervals between games, "Glimp" news will be broadcast.
- 11 p.m.—G.P.O. Clock and Chimes.
National Anthem.

2GB, SYDNEY

Wednesday.

MORNING SESSION.

- 9 a.m.—Music.
- 9.5 a.m.—Talk.
- 1.15 a.m.—Music.
- 9.55 p.m.—Physiological Class.
- 10.40 a.m.—Music.
- 10.15 a.m.—Health and Diet.
- 10 a.m.—Class over.

AFTERNOON SESSION.

- 1.30 p.m.—Music.
- 1.37 p.m.—Talk.
- 1.52 p.m.—Music.
- 4.7 p.m.—Talk.
- 4.25 p.m.—Music.
- 4.30 p.m.—Class over.

EVENING SESSION.

- 6.10 p.m.—Children's Session.
- 7 p.m.—Music. Organ Accompaniment, Violin Solo.
- 7.35 p.m.—Benediction, Church Service.
- 7.40 p.m.—Address.
- 7.50 p.m.—Music Announcements.
- 7.55 p.m.—Songs by Eva Croft.
1. "To the Fair" (Tchaikowsky).
2. "Night" (Himlay-Kusakov).
- 8.5 p.m.—Address by Professor Ernest Wood.
- 8.20 p.m.—Violin Solo. DAN SCULLY.
1. "Trio Alto" (Tchaikowsky).
2. "Minuet" (Bethoven).
- 8.28 p.m.—Clement Hooking Quartet.
"Three Blue Danube Waltzes" arranged by Edward Brannomicke, Elsie Brown, Eva Croft, Thomas Hall, Clement Hooking.
- 8.40 p.m.—Duet for two violins with piano accompaniment. DAN SCULLY, MURICA HORDER, ADA BROOK.
- 8.50 p.m.—Songs by Clement Hooking.
1. "Song of the Volsa Swain" (Chappin).
2. "There's a Land" (Albison).
- 9 p.m.—Recital by Mrs. Willy Hart.
- 9.15 p.m.—Piano solo. ADA BROOK.
1. "La Campanella" (Liszt).
- 9.20 p.m.—Clement Hooking Quartet.
Three American Airs, arranged by Edward Brannomicke.
1. "Travels Home."
2. "Voe Oil Joe."
3. "When Johnny Comes Marching Home."
- 8.55 p.m.—Duet for two violins with piano accompaniment. Dan Scully, Monica Horder, Ada Brook.
- 9.15 p.m.—Songs by Elsie Brown:
1. "Wake up" (Phillips).
2. "Spring's Awakening" (Sandness).
- 9.53 p.m.—Duet.
- 10 p.m.—Close down.

3LO, MELBOURNE.

Wednesday.

MIDDAY SESSION.

- 12 noon.—Time signal. Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. British official wireless news from Roper's Reuters and the Australian Press Association cables. "Argus" news service.
- 2 p.m.—Description of Hurdle Race, two miles. HENDIGO RACES, by "Musky" of the "Sporting Globe."
- 2.5 p.m.—Close down.
- 2.48 p.m.—Description of Donkey Plate, six furlongs. HENDIGO RACES, by "Musky" of the "Sporting Globe."

AFTERNOON SESSION.

- 3 p.m.—Description of CARNIVAL FOOT-BALL MATCH, TASMANIA V. WINNERS of first match at M.C.G., by Mr. Red McGeevor.
- 3.10 p.m.—SIGNOR PALMETTO, tenor: "It's a Good and Lovely Live."
- 3.15 p.m.—Description of August Handicap, 1½ miles. HENDIGO RACES, by "Musky" of the "Sporting Globe."
- 3.20 p.m.—REGINALD BRADLEY, violin: Caprice (Rozster).
- 3.27 p.m.—Description of CARNIVAL FOOT-BALL MATCH, TASMANIA V. WINNERS of first match, at M.C.G., by Mr. Red McGeevor. Quarter time.
- 3.35 p.m.—ELIE DAVIES, soprano: Neapolitan Folk Songs ("Santa Lucia" (Marialis), "O Sole Mio" (Capua), "Addio Mia Bella Napoli").

The Renowned VALLEY ELECTRIC PRODUCTS

VALLEY "A" POWER UNIT



Makes it possible to completely electrify any set. Eliminates 6-volt storage battery by replacing both the "A" Battery and Charger. Contains no batteries, tubes or moving parts; no hum. Simply connect up Valley "A" Power Unit in place of the storage battery. If "B" Power Unit is used, plug it into back of the "A" Power Unit and you have a completely electrified set without disturbing or making any changes in your set and using your present tubes.

Consumes current from light socket only when set is in use. One switch on the Valley "A" Power Unit turns on both "A" and "B" Power. It is not necessary to use the switch on your set. Results are much more satisfactory than when storage battery is used.

Handsome black enamel, satin finish case, complete with cord and plug.

Retail Price, £16.

VALLEY B POWER UNIT



Model 40. Designed for use with radio receivers of 5 and 6 tubes or less. Supplies all B current necessary, including extra B voltage and C voltage required when a UX-171 power tube is used.

The tube supplied with this unit is the standard Raytheon type B1 tube which is ideal for this service.

Built compactly in black enameled case with C tap, detector and intermediate controls, and binding post on front panel.

Retail Price, £11/10/-

(including Raytheon Tubes)

Charges Your Battery Overnight



The Valley ABC Charger operates at a 6-ampere rate with 6-volt batteries and is capable of recharging a storage battery. As it works on signing-off time, tonight and listening in time to-morrow.

Only two working parts—the contacts, which can be replaced cheaply and quickly by anyone. Safe, dependable, economical. Comes complete with cord, plug, leads and clips.

Retail Price, £8/-/-

VALLEYTONE RADIO RECEIVER

Model 71. An Advanced One-Dial 7-Tube Receiving Set. Made on the exclusive Valley principle of potential balance, the Valleytone Radio Receiver has built among thousands of satisfied users a reputation for selectivity, tone quality, volume and range.

Model 71. Retail Price, £35
(Without Accessories)

TRADE
ONLY
SUPPLIED

Valley Automatic Charger

Retail
Price.

£6/-/-

With Switch
and
Ammeter.

£6/10/-



Combines the desirable features of all other types of chargers. Thanks to the Raytheon Element and Valley engineering ingenuity, this automatic charger has in its favour every factor for making it one of the biggest and most popular selling items on the radio market in 1927.

Charges at either 1½ or 2½ amperes. Equipped with automatic B power relay switch and battery charger control. We recommend it as far superior to table chargers.

Small, Compact. Black enameled case, satin finish. Comes complete with cord, plug, leads and clips.

Black enameled case, satin finish. Comes complete with cord, plug, leads and clips.

When a quiet charger is desired, the Valley Two-Bulb Charger will meet every requirement. No adjustments. Nothing to get out of order. Comes complete with cord, plug, leads and clips. Equipped with handle.

Retail Price (without tubes), £8/5/-

VALLEY B POWER UNIT

Model 50. The big Valley B Power Unit. Designed for all radio receivers up to 12-tube sets. Also supplies plate voltage necessary for a power unit or power tubes.

The Raytheon Tube is used with this unit also, because of its long life and satisfactory performance.

Toggle switch on the panel controls current from lighting circuit, mounted in handsome black metal case.



Retail Price, £16/5/-

(including Raytheon Tube)

This Two-Bulb Charger is Noiseless

The Valley Charger is a bulb type rectifier. May be used with one bulb or two, to charge at either 2½ amperes or 5 amperes.



When a quiet charger is desired, the Valley Two-Bulb Charger will meet every requirement. No adjustments. Nothing to get out of order. Comes complete with cord, plug, leads and clips. Equipped with handle.

Retail Price (without tubes), £8/5/-



Obtain particulars from your nearest Trader or Garageman, or from Wholesale Distributors, N.S.W.

BENNETT & BARKELL LTD. The Trade House MEAGHER ST. SYDNEY

- 8.45 p.m.—Description of *Notre Handicap*, 1 1/2 miles, BENDIGO RACES, by "Musket" of the "Sporting Globe".
- 8.50 p.m.—STUDIO ORCHESTRA: "Jester's Serenade" (Muzette).
- 9 p.m.—Description of INTERSTATE LACROSBY MATCH, Melbourne University v. Adelaide University, at University Oval.
- 9.15 p.m.—Description of CARNIVAL FOOTBALL MATCH, TASMANIA v. WINNERS of first match, at M.C.G. by Mr. Rod McGregor. Half time.
- 9.15 p.m.—Description of Jumpers' Flat Race, 1 1/4 miles, BENDIGO RACES, by "Musket" of the "Sporting Globe".
- 9.20 p.m.—Description of INTERSTATE LACROSBY MATCH, Melbourne University v. Adelaide University, at University Oval.
- 9.27 p.m.—STUDIO ORCHESTRA: "Mazurka" (Auler).
- 9.37 p.m.—Description of CARNIVAL FOOTBALL MATCH, TASMANIA v. WINNERS of first match, at M.C.G. by Mr. Rod McGregor. Three-quarter time.
- 9.45 p.m.—Description of *Winnereis Handicap*, seven furlongs, BENDIGO RACES, by "Musket" of the "Sporting Globe".
- 9.55 p.m.—"Herald" news service. Stock Exchange information.
- 9 p.m.—Description of CARNIVAL FOOTBALL MATCH, TASMANIA v. WINNERS of first match, at M.C.G. by Mr. Rod McGregor. Final score.
- 9.59 p.m.—Close down.

EVENING SESSION.

- 8.30 p.m.—Answers to letters and birthday greeting, by "MARY MARY."
- 8 p.m.—MILDRED AND CONNIE: Song with piano and violin. "Ain't she Sweet."
- Duet with piano, "Thinking of You." Harp solo, "Romanceau."
- 8.19 p.m.—"MARY MARY" King Arthur and the Round Table.
- 8.10 p.m.—"HAROLD HARRISON" will sing two little songs for the children.
- 8.25 p.m.—MISS N. FLOES GREIG B.A., LL.B.: "The People of Malaya"
- 8.40 p.m.—"Herald" news service. Weather reports, shipping movements.
- 8.47 p.m.—Stock Exchange reports.
- 8.52 p.m.—Fish market reports, by J. E. Bennett, Ltd. Rabbit trade.
- 8.18 p.m.—Hire reports.
- 8.54 p.m.—Market reports. Official report of Newmarket sheep sales by the Associated Stock and Station Agents, Bourke Street, Melbourne. Poultry, grain, hay, straw, wool, dairy produce, potatoes and onions.
- 7.5 p.m.—Market reports of fruit by the Victorian Fruitgrowers' Association, compiled by the "Frank World."

NIGHT SESSION.

- 9.15 p.m.—Under the auspices of the DEPARTMENT of AGRICULTURE, Mr. R. CROWE, Acting Director of Agriculture, will speak on "Marketing Methods."
- 9.30 p.m.—MR. CHARLES MUTALL: "What Became of Him."
- 9.45 p.m.—CAPTAIN C. H. VETTERS: "Hocks, Wires and Charities."
- 9 p.m.—STUDIO PRESENTATION OF "FLOBOODORA" by THE VICTORIAN OPERA COMPANY. (CAST):
 DOLORES Frances Lee
 ANDREW John D. Sullivan
 LADY HOLYROOD, Alina Floerung Dunstan
 GILFAIN Paul Mikkelson
 TWIDDLEPUNCH E. Mason Wood
 DONALD E. Brooks
 ANGELA Adeline Nicola
 ACT I.
 Opening Chorus.
 Soloists, "The Credit's Due to Me" (Clerks).
 Song, "The Eldest Sister of Love" (Dolores).
 Duet, "Symphony" (Dolores and Andrew).
 Chorus of Welcomes.
 Concerted number, "Come and See Our Island."
 Song, "When I Leave Town" (Lady Holy-
 rood).

- Duet, "Tallinna" (Angela and Donal).
 Trio, "I want to Marry a Man, I Do" (Lady Holyrood, Gilfain, and Twiddlepunch).
 Song, "The Fellow Who Might" (Angela and chorus).
 Duet, "Prezology" (Twiddlepunch).
 Song, "The Shade of the Palm" (Andrew).
 Finale, "Hey, Hey, Alaska!"
 ACT II.
 Opening Chorus.
 Song and Chorus, "Tact" (Lady Holyrood).
 Duet, "When We Are on the Stage" (Dolores and Twiddlepunch).
 Concerted Number, "Tell Me Pretty Maiden" (English girls and clerks).
 Song, "I've an Inkling" (Lady Holyrood).
 Song, "The Queen of the Philippine Islands" (Dolores).
 Song, "I Want to be a Military Man" (Donal).
 Finale.
 9.16 p.m.—MR. A. W. JACKSON, Victorian Amateur Golf Championship. Comments on last year's play.
- 9.21 p.m.—STUDIO ORCHESTRA: Overture, "Merry Wives of Windsor" (Nielsen).
- 9.22 p.m.—SIGNOR PALMETTO, tenor: "To the Ends of the World with You." "I Passed by Your Window."
- 9.25 p.m.—Meteorological information. Announcements.
- 9.45 p.m.—STUDIO ORCHESTRA: "Molly on the Snow" (Griegler).
- 9.55 p.m.—THE SECOND ACT OF "ROSE MARIK," transmitted from His Majesty's Theatre, by permission of J. C. Williamson, Ltd.
 A Musical Play.
 A Romance of the Canadian Rockies. Book and Lyrics by Otis Harbach and Oscar Hammerstein.
 MUSIC BY RUDOLPH FRIML and HERBERT STROTTLER.
 PRODUCED BY GEORGE A. HIGHLAND.
 THE CHARACTERS:
 Sergeant Malone JAMES HUGHES
 Lady Jane YVONNE HANWARD
 Bill GEORGE HRYAN
 Emilie La Flamme LOU VERNON
 Edward Hawley NOEL ALLAN
 Wanda STEPHANIE DEXTE
 Hard-boiled Herman, FREDERIC BENTLEY
 Jim Benson REGINALD DANDY
 Rose Marie La Flamme HARRIET HENNET
 Major Brander MABEL LAMBETH
 SYNOPSIS OF SCENERY:
 Scene 1, A Novelty Shop in Quebec. Eight months have passed.
 Scene 2, Grand Ballroom, Chateau Frontenac, Quebec. One month later.
 Scene 3, Impression of the Camp of a Hotel on the River Front, Quebec. Same night.
 Scene 4, On a hill near Kookernan Pass. One month later.
 Scene 5, "The Castle."
- 9.55 p.m.—MUSICAL NUMBERS.
 Opening Chorus.
 Trio, "Only a Kiss," Herman, Lady Jane, and Malone.
 Soloists, "Finlandia," Rose Marie, Jim, Hawley, Emilie, Ethel and Wanda.
 Empire March and Gavotte.
 Song and Duets—"Mist of the Minnow," "The Little Marie and Herman."
 Duet, "Wanda Waits," Wanda.
 (a) Bridal Procession.
 (b) Song, "Door of Mr. Dream," Rose Marie and Chorus.
 Final Chorus.
 Final Overture.
- 10.05 p.m.—"Argus" news service. British official wireless news from Bugby. ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE for today is for MOTORISTS: Taking the other fellow's side is better than "to shut estareck." Say it with honour and save the flowers.
- 11 p.m.—OUR GREAT THOUGHT.
 German colonies are six foids.
 By a' their colleges and schools.

That when she read his journal than.
 They mark a noble themselves to try them."
 — Byron.
 11.1 p.m.—JOE ARYLSON AND HIS SYMPHONIZING ABLPHONISTS.
 11.40 p.m.—GOD LAVE THE KING.

3AR, MELBOURNE

Wednesday.
MORNING NEWS SESSION.
 11.5 a.m. to 12 noon.
MIDDAY CONCERT SESSION.
 Transmitted from Panatropic House, 227 Collins Street (by exclusive permission of Willis and Garton, Ltd.), on the Brunswick Panatropic.
MATINEE SESSION.

- DANCE CONCERT.**
- 2.30 p.m.—"Four Spanish Pictures" (Liszt).
 2.45 p.m.—Aryas Danzoniana:
 Fox Trot, "Parade in Mother's Eyes"
 Fox Trot, "Blue Danes"
 Fox Trot, "At Sundown."
 2.50 p.m.—Mr. Ernest Pettifer Bandbox:
 Valse, "Lovelily" (Wagood).
 2.4 p.m.—Studio Orchestra:
 "Fautaise Espagnole" (Himery).
 "Tentabowly Gait" (Urbani).
 2.55 p.m.—Miss Elton Drexler, Piano:
 "Grietales" (Nicolai Ansoni).
 2.59 p.m.—Aryas Danzoniana:
 Fox Trot, "Buddy Brothers"
 Waltz, "My Pal is Mother."
 3.45 p.m.—Mr. William Daniels, Tenor:
 "A Castilian Lament" (Delibes).
 "The Love Path" (Caldoni).
 3.55 p.m.—Studio Orchestra:
 "Fautaise on Bulgarian Popular Melodies" (Wagner).
 4.0 p.m.—G.P.O. Clock Says "Four"
 4.1 p.m.—Studio Orchestra:
 4.4 p.m.—Mr. Herbert Pettifer, Violin:
 "Allegretto from Sonata" (Grieg).
 4.5 p.m.—Aryas Danzoniana:
 Fox Trot, "Reaching for the Moon" (with Vocal Chorus).
 Waltz, "Nouveau Nihil" (Danonaki).
 Waltz, "Cairo" (Meyere).
 4.59 p.m.—Mr. William Daniels, Tenor:
 "Drink to me Only" (Gullier).
 "Land of the Sky-blue Water" (Gulman).
 4.55 p.m.—Studio Orchestra:
 "Blue Suite" (Grieg).
 4.59 p.m.—To-night's Entertainment.
 5.0 p.m.—G.P.O. Clock Says "Five", Close Down.

CHILDREN'S SESSION.

8.30 p.m.—"The Farmyard Five," Transmitted from Kookernan Gully, the 3AR City-Country Station—Jimmy Jackson and his Pals; Sammy Sanderson and his Concertina; Tommy Towrie and his Little Gramophone; Yarrak, the white Gokulapi; Darchie, the Black Kelpie Dog. All the Fun of the Farm from the Folks from Five to Fifty-Five.

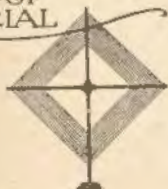
EVENING SESSION.

MELBOURNE STRING QUARTETTE.
 Studio Master: Mr. V. Upton-Brown.
 Personal Arrangements: Mr. Walter Quirk.
 7.30 p.m.—THE 3AR Stamp Club; President: Mr. A. F. Gardiner.
 7.40 p.m.—Mr. Lindsay McCutcheon of the Town Planning Commission. Ten Minutes of Popular Interest.
 7.50 p.m.—Market Reports; Notices.
 8.0 p.m.—G.P.O. Clock Says "Six."
 8.1 p.m.—Mr. Walter Quirk, Piano. All the "In the Spring" (Grieg).
 "Dancing Doll" (Poldini).
 8.7 p.m.—Mr. William Davies, Baritone:
 "Ode Dunning" (Grieg).
 "Youth" (Albanini).
 8.14 p.m.—Mr. J. Harcourt-Baister Entertainer, in one of the popular Baister's most original sketches: "The Plumber."



Grodan Solodyne Kits. Three tested units, blue print circuit, lay out, etc., etc. £3/7/6 per kit.

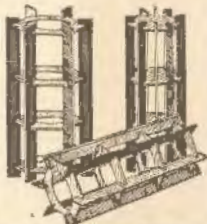
The Grodan Folding
LOOP AERIAL



Loop Aerial £1/12/6 each
No. 2 Loop £3/10/- each
No. 3 Loop £3/5/- each



NEUTRALISING CONDENSER 3/9



ANTI-LOSS COIL FORMERS
MADE IN 3 SIZES. VIZ.
3 3/4" x 3 1/2" x 2 1/2" IN.
7 INCHES LONG **2/6**



PERICON DETECTOR 3/6
PERICON REFILS 1/6



SPIDER WEB COIL FORMERS
PLUG INFORMER 1/3
PLAIN FORMER 6^d
Easy to wind any size wire



The New 3 in 1 Choke Coil, 200, 300, or 500 turns may be used. Best on the market, 8/9 each.



Single Rotor Tuners 12/6
Double Rotor Tuners ... 18/6
Kindly write for illustrated pamphlet.

GRÖSE & DANIELL,
Holden Street, Redfern,
Sydney.



Neutrodyne Kits.
£1/17/6 each.



New Browning-
Deake Kits.
£2/1/-.

GRODAN RADIO COMPONENTS

REDFERN SYDNEY

DE FOREST AUDION TYPE DL4

Special R. F. Amplifier



SPECIFICALLY designed for Radio Frequency Amplification, the DL4 has no equivalent.

Regardless of the type of R. F. circuit, tubes of very uniform characteristics are required for best results. The DL4 fills every requirement in this respect.

The DL4 Audion is characterised by a very high mutual conductance and high amplification factor. Greater control over the selectivity of the set is obtained by the use of DL4 Audions, whose special design permits the operation of the R. F. rheostat over a very wide range of settings. These qualities result in greater volume on distance reception than is obtainable with ordinary tubes.

FUNCTIONAL CHARACTERISTICS.

Filament Voltage	5 volts
Filament Current25 amps.
Plate Voltage	87½-90 volts
Plate Current at 87½ volts, with grid disconnected	3.5 milliamps.
Mutual conductance, measured at 90 volts with grid to negative filament	1150
Amplification Factor	10
Grid-plate capacity in MMFDS	10

Clip each of these advertisements out and after some period you will complete data on all de Forest Audions.

International Radio Co. Ltd.
200 CASTLEREAGH STREET, SYDNEY.

- 8.21 p.m.—Melbourn String Quartet; Miss Helen Hamerlin, 1st violin; Miss Marjory Proctor, 2nd violin; Miss Gwen Proctor, 3rd; Miss Eileen Gregory, viola; "Quartet II in D Major" (Mazur).
- (a) "Movement 1—Allegretto."
(b) "Movement 2—Andante."
- 8.31 p.m.—Radio Game Competition.
Prize winners announced.
- 8.35 p.m.—Mr. Turlion Bayments.
The noted Australian nature guide, in one of his interesting Bible studies, "The Remarkable Voyages of the Old Bees."
- 9.15 p.m.—Mr. Wallace Reid, tenor;
"In an old-fashioned town" (Sauter).
"Mary of Argyle" (Nelson), request.
- 9.55 p.m.—Mr. Lauriston Burnett, English Harpist;
A laughable interlude at the piano:
"Susan Van Duzee" (Harriet).
"She won't She won't" (Gordon).
- 9.5 p.m.—Miss Sylvia Macpherson, mezzo;
"Wondering Why" (Cunningham-Close).
"Little Town Cottages" (Dickson).
- 9.10 p.m.—Mr. J. Harcourt Bailey, entertainer;
A humorous number from Mr. Harcourt Bailey's repertoire:
"The Haunted Hide" (Mel. B. Sour).
9.20 p.m.—Mr. William Davis, baritone;
"My Ship" (de Rega).
"I Hid My Love" (D'Hardot).
- 9.27 p.m.—Melbourn String Quartet;
"The Best two movements of the D Major Mozart Quartet."
(a) "Movement 3—Minuet and Trio."
(b) "Movement 4—Allegretto."
- 9.42 p.m.—Mr. Wallace Reid, tenor;
"When the dream is there" (D'Hardot).
"Playthings" (Nelson).
- 9.49 p.m.—Announcement.
- 9.54 p.m.—Mr. Lauriston Burnett, English Harpist;
More music and mirth from this popular purveyor of mirth:
"The Punny Little Man" (Merr).
"Apart from that" (Farr).
- 10 p.m.—G.P.O. clock says, "Ten."
- 10.1 p.m.—Miss Sylvia Macpherson, mezzo;
"Open Thy Blue Eyes" (Mazur).
"Elm" (Mazur).
- 10.8 p.m.—The "Aer" news bulletin, exclusive to 2AK.
- 10.15 p.m.—James Hoar, Leggett's Ballroom Orchestra (director, Mr. Harry Nangle).
- 10.25 p.m.—Tomorrow's entertainment.
- 10.28 p.m.—Weather forecast.
- 10.30 p.m.—Our Australian Good-night
"Strange how the heart will lean,
To see one face at the open door;
To hear one voice ring haunting out,
One step upon the floor."
Eyes "Mardi" (Mary Queen).
- 11 p.m.—G.P.O. clock says, "Eleven."
God Save the King.

4QG, BRISBANE.

Wednesday.

EARLY MORNING SESSION.
8.30 a.m.—Physical culture session.
7 a.m.—Close down.

MIDDAY SESSION.
1 p.m.—Market reports; weather information; "The Daily Mail" and "The Daily Standard" news.
FROM THE G.P.O.
1.20 p.m.—Lunch hour music played by the Postal Institute Orchestra.
FROM THE OBSERVATORY:
1.58 p.m.—Standard time signal.
2 p.m.—Close down.

AFTERNOON SESSION.

FROM HOTEL CARLTON:
 2.30 p.m.—Afternoon tea music from the lounge, played by Hotel Carlton Symphony Orchestra.
FROM THE STUDIO:
 4.15 p.m.—Beauty talk by Dorothea Webster; and "Telegraph" news.
 4.30 p.m.—Close down.

EARLY EVENING SESSION.

6 p.m.—"Daily Standard" news; announcements.
 6.15 p.m.—Lecturic: "The Story of a Steel Bridge"—by Mr. Gilbert TAYLOR (Secretary, Queensland Preference League).
 6.30 p.m.—The Children's Hour: Stories by "Little Miss Brisbane."
 7 p.m.—Special news service; market reports; stock reports.
 7.20 p.m.—Weather news; announcements.
 7.45 p.m.—Standard time signal.
 7.45 p.m.—Lecture, arranged by the Queensland Agricultural High School and College.

NIGHT SESSION.

TIVOLI OPERATIC ORCHESTRA.

By courtesy of the Directors of Haymarket Theatre, Ltd., half-an-hour's music played by the Tivoli Operatic Orchestra (under the baton of Mr. G. Groves) will be relayed from the "Tivoli Theatre."
FROM THE TIVOLI THEATRE:
 8 p.m.—Orchestral music.

THE WINDSOR BAND.

FROM THE STUDIO:
 8.30 p.m.—March, "Victoria" (Lithgow), the Windsor Municipal Band; contraalto solo, "Good Morning, Brother Sunshine" (Lithgow), Miss Winifred Anderson; cornet solo, "Australia" (Lithgow), Mr. J. Fitzgerald (accompanied by the Windsor Municipal Band); tenor solo, "Soldier, What of the Night?" (Arlie-Dix), Mr. Roy Daniels; fantasia, "Balmoral" (Haynes), the Windsor Municipal Band; a thought for to-night (Will H. Lister)—"The Valley of the Shadow"; waltz, "Chorister" (Phipps), the Windsor Municipal Band; contraalto solo, "Bonnie Mary of Argyle" (Nelson), Miss Ella Howie; march, "Dandy Fifth," the Windsor Municipal Band.

THE STUDIO ORCHESTRA.

FROM THE STUDIO:
 9 p.m.—Metropolitan weather forecast; pianoforte solo, "Irish Tune from County Down" (Granger), the Rev. P. G. Brookes; vocal duet, "Nocturne" (Dennis), Miss Vera and Miss Mabel Parker; descriptive oriental fantasia, "Yoshida Elm" (Lester), the Studio Orchestra (conductor, Mr. A. R. Featherstone); contraalto solo, "I Don't Suppose" (Trotter), Miss Irene Elphinstone; valse, "Les Revenues" (Waidenfels), the Studio Orchestra; vocal duet, "Friendship" (Marzulli), Miss Vera and Miss Mabel Parker; tenor solo, "Duna" (McGill), Mr. Roy Daniels; Spanish serenade, "La Bella Valenciana" (Kaempfer), the Studio Orchestra.
 10 p.m.—"The Daily Mail" news; weather forecast.
 Close down.

5CL, ADELAIDE.

Wednesday.

MORNING SESSION.

12 noon.—Chimes.
 12.1 p.m.—Studio Music.
 12.25 p.m.—"Advertiser" news service.
 12.45 p.m.—Studio music.
 1 p.m.—"Advertiser" news service.
 1.15 p.m.—Studio Music.
 2 p.m.—Chimes, Stock Exchange Intelligence, Official weather Bulletin. Close down.

Guaranteed Radio Parts

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

Below is a List of Parts

Recommended by Us to Build
 this year's most popular Radio

RECEIVERS

SOLODYNE

**Three Valve
 LOW LOSS**

- 1 Bakelite Panel, 21 x 7 x 1/2" 15/-
- 1 Dilecto 25/-
- 1 Igranite Three-gang, 5000 Con., with balancing Con. 25/12/6
- 1 Pilot Vernier Dial, 6/6
- 1 Emmo's Bakelite 7/6
- 1 MacLauran Tone Purifier 21/-
- 1 50025 Variable Condenser, Advance, S.I.P. 9/6
- 1 Radiokets Kit, with primary screened coils 23/10/-
- 5 Brown Bakelite U.X. Sockets, each, 1/8; Benjamin 8/-
- 2 Advance Midget Condensers, each 4/6
- 2 Geop Transformers, each 35/-
- 5 Automatic 1/4-amp. Brachstaps, each 4/6
- 3 T.C.C. Unit Condensers 5/6
- 1 Terminal Board 2/8
- 1 Radioket R.F. Choke 9/6
- 1 Knob for Condenser 1/6

- Stage Assembly Kit, complete, with Coils, etc. 24/11/6
- 5 H. & H. Porcelain Sockets 3/-
- 1 Geop 4-1 Transformer 21/12/-
- 1 Geop 2-1 Transformer 21/10/-
- 1 Panel, 21 x 7 x 1/2 Radios or Dilecto 17/6
- 2 Bradleystats 21/10/-
- 1 Geop 11 Plates Condenser, Vernier Dial 21/10/-
- 1 Cutter-Hammer Battery Switch 3/9
- 1 R.M.S. Single Circuit Jack 2/9
- 1 R.M.S. Double Circuit Jack 3/-
- 1 Electrical Condenser and Link 4/6
- 1 502 Dubilier Fixed Condenser 2/6
- 1 D.A. Valve, "Phillips" Special 1/-
- 1 Detector 7/-
- 1 R. 498 Valves, "Phillips" 21/7/-

Below is a List of Parts

SUITABLE FOR BUILDING THE

Four Valve Set as Described in this Issue

- 1 Panel, 24 x 7 x 3/4 Dilecto 15/-
- 2 Aladdin 3 Coil Tuners, each 24/-
- 1 50025, Precise Condenser 10/6
- 1 50035, Precise Condenser 15/6
- 2 Pilot Vernier Dials, each 6/6
- 4 Benjamin Stock Sockets, each 5/-
- 1 Neutralising Condenser 3/-
- 1 Electrical Grid Condenser 2/6
- 1 Electrical 3-Meg. Leak 3/-
- 1 F.M.C. 6-1 Transformer 13/6
- 1 F.M.C. 3 1/2-1 Transformer 13/6
- 1 D.C. Jack 2/6
- 1 S.C. Jack 1/9
- 1 Battery Switch 3/6
- 1 501 Dubilier Condenser 2/6
- 2 Emmo's No. 1 each 7/6
- 1 Terminal Board 2/6

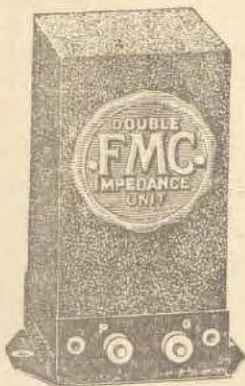
Colville Moore Wireless Supplies Ltd.

10 ROWE STREET [Next Hotel Australia] SYDNEY

'Phone, B2261

F.M.C.

Amplifying Units



Licensed under Hiler Patent, No. 158962.

Price 40/- each

A revolutionary method of Audio Amplification. A marked advance in the campaign of pure reproduction more even than in previous years. F.M.C. amplifying units will be identified with the season's leading receivers. The Double Impedance unit is the first step in this direction.

International Radio Co. Ltd.

200 CASTLEREAGH STREET, SYDNEY

AFTERNOON SESSION

- 3 p.m.—Chimes.
- 3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral selections.
- 3.15 p.m.—From the Studio—Musical selections and social notes.
- 4 p.m.—Chimes.
- 4.1 p.m.—Relay from the Arcadia Cafe—Orchestral selections.
- 4.55 p.m.—Station announcements.
- 5 p.m.—Chimes.

EVENING SESSION

- 8 p.m.—Chimes.
- 8.1 p.m.—Relay from the Covent Garden Restaurant—Orchestral selection.
- 8.30 p.m.—Bedtime stories by Uncle Jack and Uncle Radio.
- 1.25 p.m.—Market reports, Stock Exchange Intelligence, Retail Grocer's report, Automobile Association Bulletin.
- 7.5 p.m.—Hay Rents Corner.
- 1.55 p.m.—Faulding's Scientific Talk.
- 8 p.m.—Chimes.

STUDIO PIANIST, LAURENCE HAGGITT. OLD FOLKS NIGHT.

- 8.1 p.m.—Madame Callow's Instrumental Trio.
- 8.8 p.m.—Elsie Woley, contralto.
- 8.12 p.m.—The Fady's Quartette.
- 8.17 p.m.—Madame Callow's Instrumental Trio.
- 8.24 p.m.—George Horton, humorist.
- 8.30 p.m.—Madame Callow's Instrumental Trio.
- 8.40 p.m.—The Hadys Quartette.
- 8.45 p.m.—Madame Callow's Instrumental Trio.
- 8.51 p.m.—Edie Wooley, contralto.
- 9.1 p.m.—Weather report.
- 9.2 p.m.—Daisy's wheat report.
- 9.3 p.m.—Elsie Woley, contralto.
- 9.7 p.m.—Ernest Hugs, Mouthorgan.
- 9.12 p.m.—Gerald Healy, tenor.
- 9.16 p.m.—Madame Callow's Instrumental Trio.
- 9.22 p.m.—Mrs. Keith Steward, soprano.
- 9.26 p.m.—George Horton, humorist.
- 9.32 p.m.—Madame Callow's Instrumental Trio.
- 9.38 p.m.—Gerald Healy, tenor.
- 9.44 p.m.—The Hadys Quartette.
- 9.48 p.m.—Madame Callow's Instrumental Trio.
- 9.55 p.m.—Ernest Hugs, Mouthorgan.
- 10 p.m.—Advertiser's news service; Wireless shipping, station announcements.
- 10.15 p.m.—Madame Callow's Instrumental Trio.
- 10.21 p.m.—Mrs. Keith Steward, soprano.
- 10.25 p.m.—George Horton, humorist.
- 10.31 p.m.—Madame Callow's Instrumental Trio.
- 10.38 p.m.—Gerald Healy, tenor.
- 10.43 p.m.—Madame Callow's Instrumental Trio.
- 10.50 p.m.—Mrs. Keith Steward, soprano.
- 10.55 p.m.—Tomorrow's programme, Station announcements, weather report, and National Anthem.

7ZL, HOBART

Wednesday.

MORNING SESSION.

11 a.m. to 12 noon.

AFTERNOON SESSION.

- 3 p.m.—G.P.O. Clock Chimes.
- 3.1 p.m.—Tune in selection.
- 3.5 p.m.—Hobart Stock Exchange quotations. Weather information.
- Horns of Ireland; Announcements.
- 3.18 p.m.—Orchestral selections by T.L. Orchestra.
- 3.50 p.m.—Social Calendar.
- 3.45 p.m.—Educational Calendar.
- 4 p.m.—Story from "Illustrated Tasmanian Mail."
- 4.30 p.m.—Close down.

EARLY EVENING SESSION.

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

NIGHT SESSION.

- 7.30 p.m.—Musical selection.
 7.55 p.m.—"News Bulletin" from the Department of Markets and Migration.
 8.00 p.m.—"Mercury" special Tasmanian news service.
 Railway auction produce sales.
 Weather forecasts.
 Hobart Stock Exchange quotations.
 Adelaide and stock market reports, through the courtesy of Roberts and Co., Ltd., Murray Street, Hobart.
 8 p.m.—G.P.O. Clock Chimes.
 8.1 p.m.—Broadcast by direct wire from New Town Congregational Church programme of Sacred Music:
 Organ solo, "Evensong" (Martin), Mr. W. M. Needham; duet, "Love Divine," Mrs. S. Eastwood and Mrs. C. S. Bearham; song, "Swear my God to Thee" (Stainer), Mr. P. C. Plummer; song, "The Coming of the King," Mr. P. N. Brownell; anthem, "Great is the Lord," the Choir; song, "Into Thy Hands," Miss Jessie Hodgson; song, selected, Mr. Owen Burrows; duet, "So Thou Lifted Thy Divine Petition" (Stainer), Messrs. G. S. Beacham and T. Hurst; solo, "My Hope is in the Eveninging" (Stainer), Mr. G. S. Beacham; organ solo (request), "Minuet in G" (Beethoven), Mr. W. M. Needham. Soloists, Mr. G. Beacham (tenor), Mr. E. J. Laughlin (baritone). Organist, Mr. W. M. Needham.
 At conclusion of eminent British Official Wireless News.
 "Mercury" special interstate news service.
 Tasmanian District Weather Reports
 8 p.m. Weather forecasts.
 Station announcements.
 National Anthem.

Thurs., August 18

2FC, SYDNEY

EARLY MORNING SESSION.

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

MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
 10.5 a.m.—Studio music.
 10.15 a.m.—"Spazzy Morning Herald" news service.
 10.30 a.m.—Studio music.
 10.45 a.m.—A racing talk by the 2FC Commentator.
 10.45 a.m.—Studio music.
 11 a.m.—"Big Ben."
 Marking music for school children.
 11.5 a.m.—A.P.A. and Reuter's Cable Services.
 11.10 a.m.—Studio music.
 11.15 a.m.—A Reading.
 11.30 a.m.—Close down.

MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
 12.2 p.m.—Stock Exchange, first call.
 12.3 p.m.—Official weather forecast, rainfall, temperatures.
 12.5 p.m.—Studio music.
 12.10 p.m.—Summary of "Sydney Morning Herald" news service.
 Rugby wireless news.
 12.25 p.m.—Studio music.
 12.30 p.m.—Marching music for school children.
 12.40 p.m.—Auntie Sadger, mezzo:
 "Blissings" (Del Riego).

Ever-Ready Features No. 2.

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Built into each and every Ever-Ready Radio Battery is that faithfulness of workmanship and materials which combine to make the term "Ever-Ready Reliability" not a mere phrase, but a truth. That this sturdiness in construction is appreciated by a keen radio public is evidenced by the huge volume of sales of Ever-Ready Radio Batteries over the counter in 1926-27.

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The Ever-Ready "Standard" "A" Battery (3-cell), 4.5 volt, specially designed for economical operation of 1, 2, or 3 valves, taking .05 amperes at 3 volts. For sets with four or more valves, the most economical service is obtained by using two "Standard" "A" Batteries connected in parallel.



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SYDNEY

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Employ a staff who always endeavour to educate patrons by offering the CORRECT advice to those assembling sets, etc. PURCHASE YOUR ACCESSORIES from A RELIABLE RADIO HOUSE and be sure of obtaining advice that will not lead to trouble later.

WE AIM TO HELP, NOT HINDER.

Keogh's sets and accessories assure dependable entertainment and service without expert attention.

OUR STOCK CONSISTS OF FIRST CLASS COMPONENTS.

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Phillips, 33X, 60 volt	£8/15/-
Phillips, 40 volt	£9/0/-
Victrola, 60 volt	£8/7/6
Willard, 60 volt	£8/17/6

BATTERY CHARGERS.

Phillips "A"	£2/7/6
Toscani 2 Amp. A and B ..	£8/10/-
Balkite Trickle Charger ..	£4/7/6
Phillips B Eliminator	£9/10/-
Acme, Type K	£12/12/6
Emeco	£5/10/6
Tungar Bulbs	£1/8/-
Phillips Eliminator Bulbs ..	17/6

CONDENSERS, VARIABLE.

S.L.P., 80225	from 0/6 to 12/6
S.L.P., 80226	from 10/- to 12/6
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5000 to 500	2/-
5000 to 500	2/6
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250 Tower Cone Speakers. Usual Price, £3/10/-	Now	£28/6
Single Valve Set, Complete	£5	10/6
Selective Crystal Set, with Headphones	£1	5/0
Two Valve Amplifier, Complete	£5	19/6

Orth. Horepouch, mounted ..	2/- each
Aches, mounted	6/6 each
Grid Plane coupler	1/9 each
Grid Plug, metal fixed	1/6 each
Variable Cond. metal	5/6 each
Iskellie Knobs	1/-
Resistors	2/-

Cermet Core N.P.	5d.
Assorted plain discs	6d. each
Assorted Valve Sockets ..	6d. each
Electrad lead in insulators ..	6d. each
Coloured Binding Strips	2d. length
Solder resin core	2d. length
Switch Arres	1/-
Series parallel Di. forest ..	1/6

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"The Pioneer Radio Company."

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3 Spacious Floors.

Showroom.

'Phone: City 870

12.45 p.m.—THE OAK HALL INSTRUMENTAL TRIO (Horace Kest, leader).
12.55 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.5 p.m.—Evening News' midday news review.
Producers' Distributing Society's Report.
1.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
1.55 p.m.—Stock Exchange, second call.
1.58 p.m.—Marching music for school children.
1.40 p.m.—Auntie Sadie, soprano.
"A Persian Song of Spring" (Mabruky).
1.45 p.m.—Studio music.
1.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
1.55 p.m.—Last minute racing information of the 2FC Commissioner.
2.5 p.m.—Close down.

AFTERNOON SESSION.

2 p.m.—"Big Ben" and programme announcements.
2.5 p.m.—A Recital by the Students of Mrs. Stairs Ltd.
3.10 p.m.—Marching music for school children.
3.40 p.m.—Gladys Austin, soprano: "Over the Meadow" (Carew).
3.45 p.m.—Studio music.
3.50 p.m.—THE OAK HALL INSTRUMENTAL TRIO (Leader, Mr. Horace Kest).
3.55 p.m.—Marjell Watt, contralto: "My Dear Soul" (Anderson).
4 p.m.—Alison Best, mezzo (from Fernoy's Tea Rooms): "Absent" (Metral).
4.5 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
4.15 p.m.—Eileen Jenkins, soprano.
4.20 p.m.—Gladys Austin, soprano: "Song of the Little Folk" (Coster).
4.25 p.m.—THE OAK HALL INSTRUMENTAL TRIO.
4.35 p.m.—Marjell Watt, contralto: (a) "Guller Swan"; (b) "Glace Bl. Twice Shy" (Hilgendorf).
4.40 p.m.—Alison Best, mezzo: "Coming Home" (Wilby).
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Eileen Jenkins, soprano.
4.50 p.m.—THE WESTWORTH SYMPHONIC DANCE ORCHESTRA, under the leadership of Mr. Cyril Kaye.
5 p.m.—"Big Ben," Close down.

EARLY EVENING SESSION.

5.45 p.m.—The Chimes of 2FC.
5.50 p.m.—The "Hullo Max" talks to the children.
6.30 p.m.—Story time for the young folk.
7 p.m.—Dinner music.
7.45 p.m.—"Big Ben." Late evening news.
7.50 p.m.—Gladys's market reports (wheat, wheat and stock).
7.55 p.m.—Fruit and vegetable markets.
7.58 p.m.—Weather and shipping news.
7.59 p.m.—"Evening News" late news service.

NIGHT SESSION.

7.40 p.m.—Programme announcements.
7.45 p.m.—Talk by the Technical Editor of "Wireless Weekly."
7.50 p.m.—"It is your Birthday!"
8 p.m.—Alfred Cunningham, baritone: "When Children Play" (Davies).
8.5 p.m.—FROM ST. ANDREW'S CATHEDRAL, GEORGE STREET, SYDNEY: An Organ Recital by DR. T. HAIGH: 1. "Sonata No. 3" (Mendelssohn). 2. "Rossini" (Haydn).
8.50 p.m.—Brunton Gibb and Jessie Thomas, vocalists: (a) "In the Swim" (Smith). (b) "The Swan" (Smith).
8.55 p.m.—FROM ST. ANDREW'S CATHEDRAL, GEORGE STREET, SYDNEY: Continuation of the Organ Recital by Dr. T. Haigh: 3. "Choral Prelude" (Bach). 4. "Air Variations and Fugue" (Bach). 5. "Fantasia on Two English Melodies" (Guilmont).
8.59 p.m.—Alfred Cunningham, baritone: "Love could I only tell thee" (Liszt).

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Instead of wasting money on dry batteries which quickly run down and must be thrown away, Philco users have purest radio music every night for months at a time and then can recharge for a few pence. A Philco "B" battery may be recharged from any home-lighting plant.

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PHILCO
DYNAMIC RADIO
BATTERIES

- 11.15 a.m.—Social Notes, Replies to correspondents by Mrs. Jordan.
Talk on "Interior Decorations" by Mrs. Jordan.
- 12 noon.—G.P.O. Clock and Chimes.
Special ocean forecast and weather report.
- 12.3 p.m.—Musical programme from the Studio.
- 12.15 p.m.—Information, shipping, and post directory.
- 12.18 p.m.—Notes in call by wireless.
- 12.30 p.m.—Fruit market report.
- 12.32 p.m.—Vegetable Market report.
- 12.34 p.m.—London Metal market report.
- 12.35 p.m.—Dairy and Farm Produce market report.
- 12.39 p.m.—G.P.O. Clock and Chimes.
FORAGE MARKET.
- 12.32 p.m.—Fish Market report.
- 12.34 p.m.—Rabbit Market report.
- 12.36 p.m.—News from the "Sun".
- 12.43 p.m.—Millery's "Zodiacal Quizzes" Direction, Caryl Castling.
- 1.30 p.m.—G.P.O. Clock and Chimes.
Talk in Children and Special Entertainment for Children in Hospital.
- 2 p.m.—G.P.O. Clock and Chimes.
Close down.

AFTERNOON SESSION.

- Racing information broadcast immediately after each race, by courtesy of the "Sun".
- 2 p.m.—G.P.O. Clock and Chimes.
Musical programme from the Studio.
- 2.15 p.m.—News from the "Sun".
- 2.20 p.m.—Musical programme from the Studio.
- 2.30 p.m.—News from the "Sun".
- 2.40 p.m.—Anne Henderson and Her Wagon.
New Girls broadcast from the Lutogean Cabaret.
- 4 p.m.—G.P.O. Clock and Chimes.
News from the "Sun".
- 4.15 p.m.—Serial Stories.
- 4.30 p.m.—Anne Henderson and Her Happiest Girls.
- 4.45 p.m.—News from the "Sun".
- 4.55 p.m.—Radio Features.
- 4.57 p.m.—Review of night's programme.
- 4.54 p.m.—Announcements and "What's On".
- 4.59 p.m.—Special Ocean Forecast.
- 5 p.m.—G.P.O. Clock and Chimes.
Close down.

EARLY EVENING SESSION

- 6.45 p.m.—G.P.O. Clock and Chimes.
Ladies' George and the Kiddees.
- 8 p.m.—The Pupils of Mrs. Monica Sedly will entertain the children.
- 8.20 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. Clock and Chimes.
Australian Mercuriale, Land and Finance Co.'s report.
Weather report and forecast by courtesy of the Government Meteorologist.
Producers' Distributors Society's Fruit and Vegetable Market report.
Stock Exchange reports.
Grain and Poultry reports ("Sun").
Dairy Produce Report ("Sun").
Weekly Traffic Bulletin.
- 7.15 p.m.—Country News from the "Sun".
- 7.30 p.m.—Talk on "Brilliant Women in Cancer Research" by courtesy of American Society for the Control of Cancer, by Mrs. Hopper Markham, B.E.

NIGHT SESSION.

- 8 p.m.—G.P.O. Clock and Chimes.
Broadcasters' Tontol Chorus.
- 8.5 p.m.—The Macksville Salvation Army Band (Bandmaster, Mr. N. H. Knight), broadcast from Wemyss St., Macksville.
- 8.55 p.m.—Song Recital by Madama Vesper-Gossens.
- 9.45 p.m.—A Radio Drama, presented under the direction of Mr. Edmund Duggan.
- 10.30 p.m.—Jazz Music by Cos. Morrison and his Gloucestershire broadcast from the Ballroom of the Bondi Casino.
- 11 p.m.—G.P.O. Clock and Chimes.
National Anthem.

2GB, SYDNEY

Thursday.

MORNING SESSION.

- 9 a.m.—Music.
 9.5 a.m.—Obserio Talk.
 9.15 a.m.—Music.
 9.25 a.m.—Talk.
 9.40 a.m.—Music.
 9.45 a.m.—Health and Diet.
 10 a.m.—Close down.

AFTERNOON SESSION.

- 3.25 p.m.—Music.
 3.37 p.m.—Address, H. Martor.
 3.52 p.m.—Music.
 4.7 p.m.—Address, Mr. C. T. Musson.
 4.25 p.m.—Music.
 4.39 p.m.—Close down.

3LO, MELBOURNE

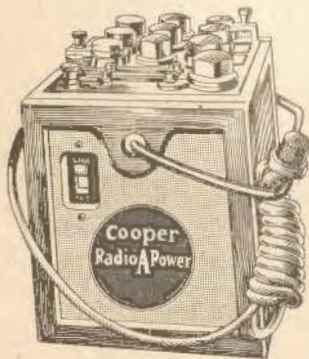
Thursday

MIDDAY SESSION.

- 12 noon.—Time Signal: Metal Prices received by the Australian Mines and Metals' Association from the London Stock Exchange this day; Reuter's and the Australian Press Association Cables; British Official Wireless News from Rugby.
 12.15 p.m.—Under the Auspices of the Concert-goers and Community Singers' Association: **COMMUNITY SINGING**, transmitted from the Assembly Hall, Collins Street, Melbourne.
 1.45 p.m.—Stock Exchange Information; Meteorological Information; Shipping Intelligence; Weather Forecast for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Reports; Rain for Victoria, South Australia, Tasmania and New South Wales.
 3.0 p.m.—Description of Trial Handicap, 6 furlongs, **BENDIGO RACES**, by "Musket," of "The Sporting Globe."
 2.5 p.m.—Close Down.
 3.40 p.m.—Description of Wilson Handicap, 1 mile, **BENDIGO RACES**, by "Musket," of "The Sporting Globe."
 2.45 p.m.—Close Down.

AFTERNOON SESSION.

- 3.0 p.m.—Rev. K. HENDERSON, will speak on: "Topics of the Week."
 3.15 p.m.—Description of Brush Steeple, 2 miles, **BENDIGO RACES**, by "Musket," of "The Sporting Globe."
 3.20 p.m.—REGINALD BRADLEY will give a short illustrated talk to Students of the Violin on: "Wieniawski."
 3.35 p.m.—Miss G. FLOS GREGO, B.A., LL.B., will speak on: "The Women of Maky and Burma."
 3.45 p.m.—Description of Handicap Trot, 1½ miles, **BENDIGO RACES**, by "Musket," of "The Sporting Globe."
 3.50 p.m.—SIGNOR PALMETTO, Tenor: "Girl of the Golden West," aria by (Johnson).
 3.55 p.m.—STUDIO ORCHESTRA: "The Minstrel's Delight" (Knight).
 4.4 p.m.—MILDRED AND CONNIE: Song with Violin and Piano: "For My Sweetheart."
 Song with Piano, "That's a Good Girl," Harp and Violin, "Blue Skies."
 Song with Piano, "That's a Good Girl."
 4.15 p.m.—Description of Inglis Handicap, 5½ furlongs, **BENDIGO RACES**, by "Musket," of "The Sporting Globe."
 4.20 p.m.—STUDIO ORCHESTRA: "Have Angelina" (Halezaft).
 4.27 p.m.—MIGNON WESTON, Oboe: "Wengentien" (Meyer).
 "Adante Pastorale" (Rheinberge).
 4.34 p.m.—LESLIE ELLIOTT, Concedienne: "Three Cheers for the Dustman" (Weston and Lee).
 "Listen In For Happiness" (J. Elliott).
 4.41 p.m.—"Herald" News Service; Stock Exchange Information.

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No more "A" Battery trouble

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

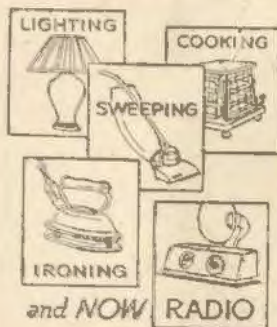
The Cooper "A" Unit consists of a six-volt accumulator, and expertly designed and constructed trickle charger. The operation is entirely automatic. The Cooper "A" Unit supercedes the accumulator, charger and "A" batteries. There are no moving parts—no replacements. There is only the first expense. The Cooper "A" Unit obtainable at David Jones' remarkable price £8

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ACME



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LIGHT socket operation—radio's newest sensation! The superb Acme "B" Eliminator will run any radio set you build or buy, from your electric current supply.

No more "run down" Battery worries! No hum—no distortion, but perfect radio reception for all time.

It's newer—better—cheaper!

**SUPER
POWER!**

Built for all radio power valves, the Acme "B" eliminator will deliver up to 180 VOLTS—giving strong, steady direct current.

**NO
Filament!**

Fitted with a magic Raytheon Rectifying Tube which keeps reception uniform, and, having no filament, cannot burn out.

Yours on Easy Terms

from—

New System Telephones Pty. Ltd.,
280 Castlereagh Street, Sydney

- 6.45 p.m.—Description of Walter Handley, 7 Fortiana, BENDIGO EASTERN, by "Musket," of "The Sporting Globe."
6.50 p.m.—EVENING, transmitted from St. Paul's Cathedral.
6.55 p.m.—Acceptance for Saturday's Race at Flemington.

EVENING SESSION

- 6.55 p.m.—Answers to Letters and Birthday Greetings by "MARY GUNLEAF."
6.55 p.m.—STUDIO ORCHESTRA:
"Heavy VIII" Danon, (German).
6.55 p.m.—STEPHANIE BURPE, by permission of J. C. Williamson, Ltd.,
"Happy Moments with the Children."
6.55 p.m.—"Herald" News Service: Weather Synopsia, Shipping, Movements.
6.47 p.m.—Stock Exchange Information.
6.55 p.m.—Fish Market Reports by J. R. Barrett, Ltd.; Rabbit Prices.
6.55 p.m.—River Reports.
6.55 p.m.—Market Reports by the Victorian Producers' Co-operative Co., Ltd.; Jute, Dairy Produce, Potatoes, Onions; Newmarket Sheep Sales; Poultry, Grain, Hay, Straw.
7.0 p.m.—Market Reports of Fruit by the Victorian Producers' Association.

NIGHT SESSION

- 7.15 p.m.—Under the Auspices of the Victorian Institute of Advertising, Mr. R. H. WILFORD, F.C.A., Past-president of the Victorian Institute of Advertising, will speak on:
"Habit, Contact and Advertising."
7.30 p.m.—Mr. J. HOWLETT ROBE will speak on:
"Birth of the Great Napoleon."
7.45 p.m.—MR. JAMES HAY, of the Gilbert and Sullivan Opera Company, by permission of J. C. Williamson, Ltd., will speak on the Opera:
"Rodrigue."
8.0 p.m.—Mr. ROD McDERMOTT will speak on:
"Football."
8.15 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS:
"I'd of My Lonesome Hours" (Bunch).
"Don't Sing Alone to Me" (Moray).
"Out of the Duck to You" (George Lee).
8.25 p.m.—JERALIE KILGORTH, Conventioneer:
"I'd Give Out of the Rates" (Wetton and Lee).
8.35 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS:
"That Night in Araby" (Byrd).
"I Made You Happy" (Gardner).
"While We Danced 'Till Dawn" (Schuster).
8.45 p.m.—MILDRED AND CONNIE, Song with Accompaniment:
"Oh Antelope."
8.45 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS:
"Gonna Be a Little New Will Ya, Bah" (Turk).
"Any Lee To-day, Lady" (Belard).
"Bessie I Love You" (Rezin).
8.55 p.m.—SIDNEY BURCHALL, Balladeer:
"Coming Home" (Whaley).
8.57 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS:
"For My Sweetheart."
"You Heart Toss'd Into Mine" (Hubel).
"I'm Telling the Birds, Telling the Snow" (Brown).
"Oh, if I Only Had You" (Friend).
8.7 p.m.—We have pleasure in presenting to you, JACK O'HAGAN, the well-known composer of popular songs, who will sing his very latest composition:
"Forgotten."
8.47 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS:
"Kentucky Lullaby" (Miller).
"He's the Last Word" (Kahn).
"Song of the Wanderers" (Moray).
8.57 p.m.—Mr. A. W. JACKSON, Amateur Composer of Verse—Solo:
"Comments on the Day's Play."
8.57 p.m.—JOE ARONSON AND HIS SYM-COPATING SYMPHONISTS:
"I Didn't Know Swift" (Swain).
"Who" (Kern).
"Two Little Bluebirds" (Kern).

9.42 p.m.—ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE for Today is as follows:

PEDESTRIANS: "A dangerous person is one who acts with no thought of consequence to others."

9.48 p.m.—JOE ARONSON AND HIS SYMPHONIZING SYMPHONISTS:
"A Message from Missouri" (Chester).
"Spring Fever" (Piano Solo).
"Sam, the Old American Maid" (Kahn).

9.53 p.m.—LESLIE FILLIOTT, Comedienne:
"Mamma's Gaze Dances" (Weston and Lee).

9.57 p.m.—JOE ARONSON AND HIS SYMPHONIZING SYMPHONISTS:
"Meadow Lark" (Florida).
"Talking to the Noon" (Basketette).
"I've Been Waiting My Dreams Over You" (O'Hagan).

10.7 p.m.—"Arenas" News Service: Sporting Notes by "Olympics" American athletes.

10.21 p.m.—JOE ARONSON AND HIS SYMPHONIZING SYMPHONISTS:
"Take in the Sun, Hang Out the Moon" (Woods).

"Ain't She Sweet" (Yellow).
"Moonbeam Kiss Her for Me" (Dixon).

10.34 p.m.—MILDRED AND CONNIE:
Sung, with Accordion:
"In My Gondola."

10.38 p.m.—JOE ARONSON AND HIS SYMPHONIZING SYMPHONISTS:
"Whistle Your Blues Away".

"Do the Black Bottom With Me" (Meyer).
"Where Do You Work's John" (Marks).

10.48 p.m.—SIDNEY BURCHALL, Baritone:
"The Ticked to Death 'In Sixes'" (Gideon).

10.52 p.m.—JOE ARONSON AND HIS SYMPHONIZING SYMPHONISTS:
"Cover Me With Sunshine" (Dixon).
"I'm Looking Over a Four Leaf Clover" (Dixon).

"The More We Are Together" (Campbell).

11.0 p.m.—DUI GREAT THOUGHT:
"If you fling yourself under the wheels, Juggernaut will go over you, depend upon it."—Thackeray.

11.1 p.m.—JOE ARONSON AND HIS SYMPHONIZING SYMPHONISTS.

4QG, BRISBANE.

Thursday.

MIDDAY SESSION.

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

FROM THE CONSTITUTIONAL CLUB:
1.20 p.m.—A lunch hour address.

1.33 p.m.—Standard time signal.
2 p.m.—Close down.

AFTERNOON SESSION.

2.30 p.m.—A programme of music from the Studio.

4 p.m.—A cookery talk by "Betty Simpson."

4.12 p.m.—"Telegraph" news.

4.39 p.m.—Close down.

EARLY EVENING SESSION.

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

6.15 p.m.—A rose talk by "Teanna."

6.30 p.m.—The Children's Session: Stories by "The Sandman."

7 p.m.—Special news service; market reports; stock reports.

7.30 p.m.—Weather news; announcements.

7.45 p.m.—Standard time signal.

7.45 p.m.—Lecturette: "A Talk on Books"—by Mr. W. A. Draxler (McLeod's Bookstore).

NIGHT SESSION.

MR. ERICH JOHN'S PARTY.

Tonight's programme has been arranged by Mr. Erich John, and will be given by his party of radio vocalists.
FROM THE STUDIO:

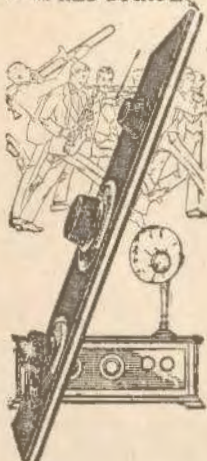
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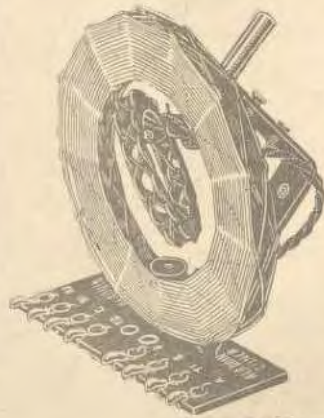
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PART I.—OPERATIC

Double quartette, "Trois Chorus" (from "William Tell"—Rossini); vocal duet, "Home to Our Mountain" (from "Il Trovatore"—Verdi); Miss Aubrey Bell (contralto) and Mr. Jack Lord (tenor); baritone solo, "Helen" (from "Il Trovatore"—Verdi); Mr. Ben Cloire; double quartette, "Hymn of the Fishermen's Children" (from "Zampa"—Hercold); vocal duet, "Paris O cara" (from "La Traviata"—Verdi); Miss Thelma Champion (soprano) and Geo. W. Williamson (tenor); double quartette, "Gains the Power of Evil" (from "Faust"—Grimm); soprano solo, "Jewel Song" (from "Faust"—Grimm); Miss Mays Hughes; vocal duet, "Fick Heured Nini" (from "La Boheme"—Puccini); Mr. Geo. Williamson (tenor) and Mr. Ben Cloire (baritone); contralto solo, "Habenera" (from "Carmen"—Bizet); Miss Mildred Bell; double quartette, "March" (from Tannhauser)—Wagner).

8 p.m.—Metropolitan weather forecast.

PART II.—SONGS OF YESTERYEAR
Double quartette, "Bennie Banks of Loch Lomond"; vocal duet, "Eileen Allanah"; Miss Mildred Bell (contralto) and Mr. Ben Cloire (baritone); tenor solo, "Mary"; Mr. Jack Lord; double quartette, "Tear Little Shamrock"; vocal duet, "Believe Me if all Those Endearing Young Charms"; Miss Mabel Malouf (soprano) and Miss Mildred Bell (contralto); soprano solo, "Anne Laurie"; Miss Thelma Champion; double quartette, "All Through the Night"; vocal duet, "Simon the Cellarer"; Mr. Jack Lord (tenor) and Mr. Walter Lord (soprano); bass solo, "In the Cellar Cool"; Mr. Tom Bran; double quartette, "Home Sweet Home".

SPECIAL NOTE: THOUSAND VIOLINS.

During the evening a selection played by the Orchestra of 1000 Violins, arranged by Mr. L. A. Paree, will be relayed from the Exhibition Hall. The actual time of the relay will be announced during the evening.

FROM THE STUDIO:
10 p.m.—"The Daily Mail" news; weather news.
Close down.

5CL, ADELAIDE

Thursday.

MORNING SESSION.

12 noon.—Chimes.
12.15 p.m.—Studio music.
12.15 p.m.—"Advertiser" news service.
12.45 p.m.—Studio music.
1 p.m.—"Advertiser" news service.
1.30 p.m.—Relay from the Victoria Hall Address to Business Men.
2 p.m.—Chimes, Stock Exchange Intelligence. Official weather bulletin.
Close down.

AFTERNOON SESSION.

3 p.m.—Chimes.
3.1 p.m.—Relay from the Maple Leaf Café—Orchestral selections.
3.40 p.m.—Homesocial Talk by Mrs. Murray Coghill.
4 p.m.—Chimes.
4.1 p.m.—Relay from the Arcadia Café—Orchestral selections.
4.50 p.m.—Radio announcements.
5 p.m.—Chimes and close down.

EVENING SESSION.

6 p.m.—Chimes.
6.1 p.m.—Relay from the Covent Garden Restaurant—Orchestral selections.
6.30 p.m.—Bedtime Stories by Uncle Jack and Uncle Radio.
7.25 p.m.—Market reports, Stock Exchange Intelligence report, Retail Grocers' report, Automobile Association bulletin.
7.35 p.m.—Talk on Yachting.
7.45 p.m.—Mr. A. M. Whitebury will Talk on "Poultry".
8 p.m.—Chimes.

STUDIO PIANISTS ... ISOBEL PENNY

- 8.1 p.m.—Special Radio Stunt.
 8.20 p.m.—Relay: the Magill Silver Band.
 8.30 p.m.—Mary Edson, soprano.
 8.35 p.m.—The Magill Silver Band.
 8.50 p.m.—Ken Hughes, tenor.
 8.55 p.m.—Mary Edson, soprano.
 9 p.m.—Official Weather report.
 9.2 p.m.—Dalgety's Wheat report.
 9.3 p.m.—Magill Silver Band.
 9.18 p.m.—Ken Hughes, tenor.
 9.23 p.m.—The Magill Silver Band.
 9.30 p.m.—Mary Edson.
 9.34 p.m.—The Magill Silver Band.
 9.45 p.m.—James Glenison, violin.
 9.51 p.m.—The Magill Silver Band.
 10 p.m.—"Advertiser" news service. Wireless shipping. Winona's sporting service.
 10.15 p.m.—The Magill Silver Band.
 10.25 p.m.—James Glenison, violin.
 10.29 p.m.—Gwen Collett, contralto.
 10.30 p.m.—James Glenison, violin.
 10.40 p.m.—Signor Torre, baritone.
 10.47 p.m.—Gwen Collett, contralto.
 10.51 p.m.—Signor Torre, baritone.
 10.55 p.m.—To-morrow's programme. Station announcements. Weather bulletin. National Anthem.

7ZL, HOBART

Thursday.

MORNING SESSION.

11 a.m. to 12 noon.

AFTERNOON SESSION.

- 3 p.m.—G.P.O. Clock Chimes.
 3.1 p.m.—Tune in selection.
 3.5 p.m.—Hobart Stock Exchange quotations. Weather information. Items of interest. Announcements.
 4.15 p.m.—Chat by Child Welfare Nurse.
 4.30 p.m.—Broadcast by direct wire from North Hobart Oval. Eye-witness description of Schoolboys' Carnival Football Match. Tasmania v. West Australia, by "Onlooker." Close town.

EARLY EVENING SESSION.

- 5.50 p.m.—Children's Corner by "Uncle Peter."
 7 p.m.—"Big Brother" chats to his Pal.

NIGHT SESSION.

- 7.30 p.m.—Musical selection.
 7.35 p.m.—Educational Talk.
 7.50 p.m.—"Mercury" special Tasmanian news service. Railway auction produce sales. Weather forecasts. Hobart Stock Exchange quotations.
 8 p.m.—G.P.O. Clock Chimes.
 8.1 p.m.—Band selections by the Hobart Citizens' Band (conductor, Mr. Roy Sutcliffe).
 8.40 p.m.—British Official Wireless News.
 9.50 p.m.—"Mercury" special interstate news service. Tasmania District Weather Reports. 9 p.m. Weather forecasts. Station announcements. National Anthem.

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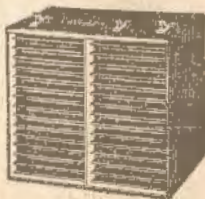
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My Husband and I

My husband is enjoying a holiday,—which means that he has left me at home,—and has entrusted me with his weekly column. His last remark was: "Let me see if a woman can have a sense of humor!"

I have carefully read his stuff for the last three months, and so far as I can see he glories in placing a Burgess Battery at one end of it and a sunset, a sardine tin or a carpet cleaner at the other. The idea is to bring them together!

This process is supposed to be "humorous." It is as humorous as the treacle which used to smooth the way for Gregory's Powders or sulphur when I was a girl.

If I were selling Burgess Batteries I should not describe Byrd's flight nor how Captain Harley sat on his wireless set in New Guinea. Nor would I go into the various selling points of the battery.

No, indeed. I should advertise it at so much three farthings, offer it in ducal finish in any color to suit the furniture, and announce that each of the first three women to buy one on a certain day would get a free wireless set thrown in.

Believe me, there would be a crowd of Burgess Battery buyers from one end of Castlereagh Street to the other.

Of course, I should have a easy conscience as well, for since my husband bought a Burgess Battery for our set, we have lost those hideous crinkles that used to give me the creeps,—I always felt like running to the oven to see if the fat was burning!

My husband says that women do not buy batteries. Let him go on thinking it! I know who made him buy a Burgess and who will make him buy another if our pet battery ever wears out (which I doubt).

But one of the first things a woman learns is how to get things by inducing a man to believe it is his own idea. Why my husband actually imagines that he made me marry him,—the real fact is that I began buying a troupeau six months before he proposed!

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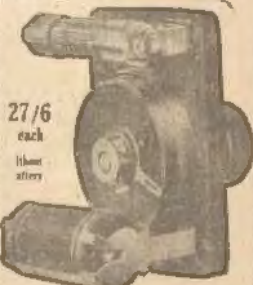
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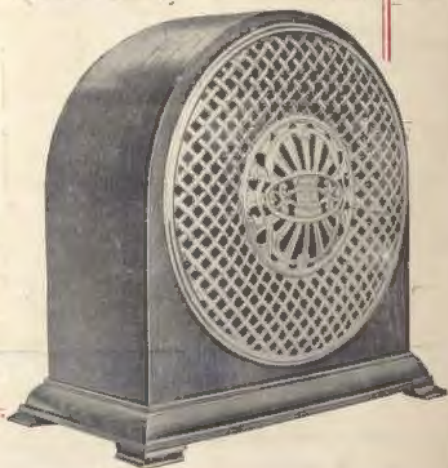
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