

# WIRELESS WEEKLY

Broadcast Programmes a Week in advance

VOLUME 10

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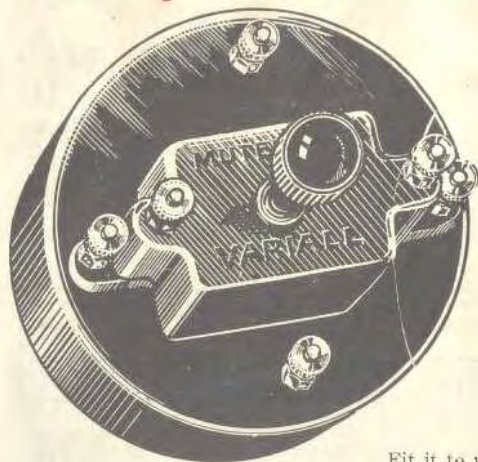
NUMBER 3



Friday, May 13, 1927.

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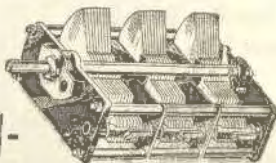
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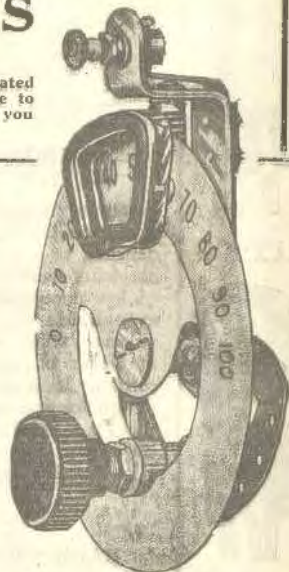
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# 22/6



# WIRELESS WEEKLY

VOL. 10, No. 5.

FRIDAY, 13th MAY, 1927.

## *Faint Praise—*

OFFICIALDOM came out of the Canberra broadcast rather better than most expected. Government functions burdened with formality offer small opportunity for enterprise and the vast nature of the Canberra broadcast required enterprise above all.

Nothing on such a scale had hitherto been attempted in Australia and the responsibility of carrying out the transmission lay heavily on inexperienced shoulders. We can imagine a few enthusiasts recognising the importance of the broadcasting among the hundred trivial flutterings in political nests; we can imagine them striving to win through with officialdom on their backs, well meaning, indefinite, courteous, but selfish, self-important, imbecile, and disastrous.

We have the enthusiast to thank that there was no disaster. He could not prevent, however, the whole broadcast smacking of political restraint. One felt that the announcer suffered from Parliamentary nervousness. He might not say too much, nor might he say too little.

It was evident that he was, to say the least, merely an acquaintance of the microphone rather than a familiar. His fragmentary announcements betrayed this. He failed to say when, where, and who was speaking, and we were left to guess that it was Mr. Bruce, or the Duke of York—a state of affairs made doubly worse by the fact that there was no official broadcasting programme.

We cannot say that his descriptions were vivid and clear, they conveyed us many names and ranks, a

fleeting glimpse of the parade, the march past, the scarlet Senate; they did not convey atmosphere. Color was absent, not because he lacked a command of words but because the scene instead of stimulating his imagination to excitement pitch left him cool and calm. One felt that he was impressed, but that the impression was registered as one only among others. Although an inexperienced broadcaster, he was an experienced newspaperman, and in this respect was different from the average listener. What would have excited and interested the average man he merely observed and commented upon.

In choosing the official announcer we cannot help believing that, in an endeavour to find a man with special qualifications for the job the authorities overlooked the usual qualifications of the announcer. He possessed a thorough knowledge of Parliamentary procedure, and a fair acquaintance with the famous 400, but not more than an ordinary broadcasting voice and personality.

In the rush of the long land lines the inflections of his voice were lost. Technically the transmission was inferior to most long land-line broadcasts listened to in the past. However, when we consider that this transmission entailed more miles of land line than has ever been used in Australia for broadcasting purposes, and that the transmission changing from point to point had to be followed by operators in every State, we realise that on the whole it was well done.

## Between You And Me And The Microphone

Conducted by Jack Plugge



AT A RECENT BALLOT taken by some 3,000 wireless traders on the question of the most suitable period of the year in which to hold a London Wireless Exhibition, voting was decidedly in favour of the choice of the month of September, which won the vote by a majority of 861. Strangely enough, the second most popular month was May, which had 487 votes.

THE HUMAN SIDE of broadcasting is exemplified by a letter received by Station 2BL from Wairio, New Zealand. Recently a Sydney man became ill, and it became necessary to acquaint his sister, who was in N.Z., with the information at once. An appeal to 2BL met with ready sympathy, and the information broadcast with a request that it be passed on to the man's sister, and within a few hours she had received the message. A letter has now been received expressing her thanks.

A SUB-COMMITTEE of the Union Internationale met recently at Geneva and was attended by delegates from several European countries. One of the chief subjects discussed was the actual transfer of programmes between different countries by land line, and the mutual exchange of lectures and talks. It was thought that this would inspire listeners with a desire to visit each other's countries.

AN INTERESTING STORY comes from Enfield, a small town in Victoria near Ballarat. Arrangements were well in hand for a wedding. It was to be a quiet family affair, but there was no piano in the house. How was the wedding march to be played? An inspiration seized the bride elect. She wrote to the manager of 3LO—would he be so kind as to broadcast the glad strains of Mendelssohn? Nothing easier. At the time appointed 3LO broadcast the wedding march as played in the studio. The wedding guests heard the march on the family radio set and were happy. Half Victoria listening in, wished the young couple every happiness. Several months have elapsed since a Sydney broadcasting station did the same thing, but both 2FC and 2BL have a standing offer to play the wedding march for any young couple who wish to receive it by radio. It costs the happy couple nothing, and both 2FC and 2BL have very fine organists.

"YOU SAID A MOUTHFUL": A headline in an American paper runs: "Simple Eliminator Cuts Out Most Man-Made Static."

AN APPEAL on behalf of the aborigines at Wallaga Lakes Station, near Tilba Tilba, is made by "Uncle George" of 2BL. On a recent holiday he visited the settlement and succeeded in collecting enough money among the party to enable a set to be installed. The work of educating and entertaining the natives is being admirably carried out by Mr. and Mrs. Sampey, and to help their work "Uncle George" asks listeners-in to forward papers, magazines or books to the station.

TWO OPINIONS: "I do not think television will ever become more than a stunt."—Mr. Thomas A. Edison. "Mr. Edison is probably not aware of the recent developments in television."—Mr. John L. Baird.

THE JOHANNESBURG (S.A.) broadcasting station, which owns the distinction of being the first important station to close down for financial reasons, will shortly resume regular programmes under the control of a new South African broadcasting company. An unusually interesting method of checking "piracy" is to be adopted. Under the scheme the sale of wireless apparatus to non-license holders will be prohibited.

### ADORATION

Sweetheart with the rose-kissed  
check,

You move me to this song,  
A finer feeling ne'er will speak;  
So high it knows no wrong.

Though untold time it's taken,  
For slow nature to unfold,  
At last 'tis not mistaken,  
And has struck the proper mold.

You personify the fragrance,  
That rules the Realm above;  
I look an Angel askance  
With you on Earth to Love—

My wave length.

ERNEST GROSS

THOSE ENGAGED on short-wave development work are likely to experience something of a shock as a result of the publication in the United States of a patent granted on February 8th of this year to R. A. Fessenden. Briefly, the patent is granted to Fessenden for the use of wavelengths between one and fifty metres for directional wireless purposes. The claim is based on early work, when the applicant is stated to have discovered for the first time that directive wireless was more satisfactory and less affected by the usual causes of variation when wavelengths between one and fifty metres were employed. It is scarcely to be imagined that in this country a patent could be granted giving to one inventor the control of the use of a complete wave-band for any particular application.

"BUNKY DOO": Every listener to 2BL—adults and children alike—know "Uncle George's" familiar good-night to the kiddies at the end of the bed-time session—"Bunky Doo." So popular has the phrase become that Mr. Herbert Carroll, the popular composer, has written a song with the title "Bunky Doo," and dedicated it to Uncle George. The song, which has a "catchy" air, is to be published by Albert's, and will be introduced by Uncle George from 2BL.

THE DUKE'S FAVORITE: Through the medium of Joe Aronson and his Syncopated Symphonists from 3LO, Melbourne, the favorite melodies of the Duke and Duchess of York have been discovered. At the State Government ball during the Melbourne visit of the Royal couple, Joe Aronson's band was chosen to provide the melody and rhythm. During a waltz the Duke approached Joe Aronson and asked if "Bye bye, Blackbird" could be played. The waltz was stopped forthwith and the Duke's favorite fox trot held the attention of the dancing visitors. Later the Duchess approached the band dais and asked if she might choose a number for herself. Naturally, Joe Aronson was only too eager to assent. He handed the Duchess a list of the items which the band played, but she smilingly shook her head when confronted by so many melodies. "Could you suggest one?" was the Royal request. Aronson suggested "Who," a modern fox trot, which immediately met with the Duchess's approval. "Who" was played with several encores.





**BUILDING A PROGRAMME.**—Messrs. Chapple, Anderson and Cochranne of 2FC preparing a programme

## Is There An Ideal Programme?

*Most listeners-in have no conception of the work involved in one week's programme, nor are they aware of the restrictions and limitations which make the perfect programme an impossibility*

**H**AVE you ever tried to build up an ideal programme for broadcasting? Every large broadcasting station is trying its hardest every day and has never yet claimed to have thoroughly succeeded, although some come very near it on the year's average. What a broadcast station, with the aid of a large staff, accomplishes with assiduous attention is very often slashed to pieces and thrown down by armchair critics with a stroke of the pen. There is never an idle moment in a busy broadcasting office such as 2FC or 3LO, although there is a large staff continually at work under the immediate supervision of the general director of programmes, behind the twinkle in whose eyes lurks an accumulation of programme material that would stagger a timberyard full of those jerry-builders who write to the papers!

Before a programme can be broadcast it must first of all be built! The

master architect of programmes for 3LO is, of course, Major Conder, and at 2FC, Mr. Anderson, under whose eagle eyes every item broadcast from those two stations must first pass muster. Every programme issued from 3LO or 2FC has its foundations laid at least three weeks ahead of the time, when you actually see it in print, and it is usually completed in all its details about a week before it reaches the public, because it has to be sent all over Australia to be in the hands of the newspapers in every State in time to be published on the due date. But, of course, some of the most important items in each week's programme cannot possibly be arranged so early.

The busy manager sits in a perpetual state of interview with artists eager to be broadcast. He has to arrange voice tests, file the results for reference, unearth from an elaborate index system the ghosts of long-buried repertoires and persuade coy

performers that they really must hold themselves in readiness to attend at the times set down for them. It is astonishing exactly how coy and hard to bind down some of these performers can be! Three weeks go by so suddenly for some people and so slowly for others that appointments have to be kept well in hand by the staff up to the last moment.

So far as the idiosyncrasies of performers will allow, the schedule times are run true to the minute, and the intervals of silence are sometimes almost too brief. Sometimes a station is criticised for its lack of variety, but this criticism is surely not founded on an actual study of its programme, as never a day passes without the office being overwhelmed with overtures from various performers, concert promoters, bands, public meetings, and so forth, all of which are given the most favorable consideration, consistent with being in time for preliminary arrangements. Very

frequently, indeed, a last-minute item has to be substituted for some advertised feature. Those candid listeners who think they could build a better programme with their eyes shut can have positively no conception of the laborious weeks of work involved in one week's published programme. To a great extent the office has to be guided by the letters it receives, and letters of appreciation always greatly exceed in number those of condemnation, such as appear in the daily press. It is so very easy for an armchair critic to ask why a station broadcasts some times and omits others. But no building can be safely constructed of bricks without straw, concrete without cement, and unweathered sandstone where granite is needed, and critics must remember that the programmes of our largest stations are unique in that they never repeat themselves night after night, as even the very best of theatre or concert programmes do.

Some of the best artists, moreover, flatly refuse to broadcast, or demand a fee which it would be preposterous to expect even SLO to pay. Added to this, some voices that are most acceptable on the platform or stage are a failure before the microphone, while the repertoire of others is so extraordinarily limited that if a station sometimes appears to repeat itself, the blame must be laid at the door of performers themselves. Some day, perhaps, a school for broadcasters will be established, and a broadcasting station will be able to pick and choose from a much greater variety than it now can. It must be remembered that out of the thousands of contributors to its revenue a broadcasting station has to suit a very wide diversity of tastes, and its staff endeavors, on the whole, most successfully, to cater for all these tastes continuously. Those who advocate special or exclusive programmes forget that even the minority have their rights, and it is to the credit of a station that it ever carries a tender spot in its heart for all sorts of minorities, even to the extent of spoiling what is often regarded as the first essential of a programme—the "atmosphere."

Even when a critic feels that there is legitimate cause for complaint as regards some of the programmes, there is a much better way of rectifying it than by writing indignantly to the newspapers. The best Listeners' League is undoubtedly that run by the G.P.O., where every listener-in is his own secretary, and can make his own suggestions direct to headquarters. If this is done with due regard to direct specification of the

grounds of complaint, mentioning the item objected to and suggesting the actual name or nature of the performer or item that would be preferred, such criticism will always be heartily welcomed and considered.

Is it likely, then, if large broadcasting companies are striving for the perfect programme, every day of the year, that any individual listener will discover it? I waited very impatiently for the perfect programme which was to result from a newspaper contest recently, I had a suspicion that it would not result for a very good reason—that there is no such thing as a perfect programme. While men and women are men and women no two minds will think exactly the same; just as no two witnesses of the same accident will tell exactly the same story in the witness-box.

I have heard it whispered since that of the 10,000 programmes sent in, not one was found with any novel

*WATCH for the  
details of the world  
famous Solodyne  
Receiver next week*

*One control  
Screened coil  
Five valves*

*A modern receiver of  
wonderful import.*

or original feature. I confess this has surprised me. Granted that not every novelty could be broadcast, I had expected quite a number of bright ideas that had not occurred to the men who work on the present programmes. After all, in a multitude of counsellors there is wisdom. The trouble about proverbs is, however, that no sooner do you think of a splendid one that fits the case than another comes in your mind to oppose it. It has just occurred to me that too many cooks spoil the broth. So the application of the principle differs according to whether you work out these programme makers in counsellors or cooks. Suit yourselves.

As a matter of fact, it was found, I think, that the programmes were merely variants on old programmes.

Instead of "Thanks for the Buggy-ride" being in Tuesday's programme, it was in Wednesday's. Many went on the principle of allotting half an hour for jazz orchestra, half an hour for ballads, half an hour for classical instrumental music and so on, which is really the principle on which most stations work, although, of course with variations.

This matter of programme-building is a very technical and difficult one. There is the question of copyright to be considered in relation to many popular works which the public would like, but cannot be given. Many have wondered why the performances of Gilbert and Sullivan cannot be given on the air. The reason lies in the prohibition by the executor of Sir Arthur Sullivan. Rightly or wrongly, he believes that the performance on the radio of the whole operas will lessen their "pull" in the theatre, and he has, therefore, set his face against it. He has, latterly, been persuaded to agree to individual numbers being done, but at a fee which makes the average broadcasting station very loth to accept the privilege.

This whole matter of rights to broadcast is a most complicated one. At first blush, it would seem that music should be free as the air over which it is proposed to shoot it. The wide publicity given, it is argued, popularises it, and its sale in the form of sheet music should be the greater.

Unfortunately, "should be" is not "is." The painful fact emerges from music sellers that all mechanical forms of music tend to reduce the sale of sheet music. So few people comparatively want to give themselves the trouble to learn painfully on the piano what they can get so easily on the gramophone, the piano-player, or the radio. We are becoming mechanised. We take the path of least resistance. Follow this out logically, and you will see that the music writer, who cannot live on air, must be paid to allow his product to live on it. If he is not, he will stop writing music and go in for making boots, for growing wheat, or for producing any other commodity that people will pay for. Then what will the broadcasters do? Stick to Schubert, Bach and the old masters who have not been copyrighted? Fair play's a jewel.

The larger broadcasting companies make no demur to paying the royalties demanded by the Performing Rights Association. Others are threatening to take political action to change the law of copyright so as to make mean writers and musicians give the world their products for nothing. They will have their trouble for their pains.



# Radio to make us Healthy

The influence of broadcasting programmes on our mental faculties is dealt with interestingly in this article by a well-known woman medical specialist whose name is withheld in accordance with the rules of the B.M.A.

By A Doctor

THE suggestion that the broadcasting stations should supply only "light music and light entertainment" every evening of the week during the year has aroused much uneasiness in many quarters. And not only amongst the cultured circles does this prospect cause dismay. Those who call themselves "low-brows" appear to be quite pleased with the title; indeed, to judge by the letters recently published, some actually take pride in this designation, whilst others (who have apparently had some degree of education) resent the idea that they should welcome further knowledge in the world of music or general information, and hence raise objections to the classical music and the interesting features in the programmes.

The healthy attitude of mind, surely all will agree, is never one of satisfaction with oneself. The wise man is well aware that even the best equipped brain has many gaps in its knowledge. There are innumerable avenues of knowledge and of delight which remain unexplored by even the most cultured men; the paths leading thereto are not trodden because they are unknown. Even the professional workers, and those who are accustomed to dealing with educational and scientific matters, become absorbed in their own work and tend to remain in a narrow rut for a lifetime.

The average man and woman neither buy a book nor attend a lecture which deals with a subject in which they are not already interested. So routine bound is the mental outlook of the unawakened mind that the thrill of adventure is sought for and obtained by such means of stimulation as is given by a variety of plays, fiction, cinema, and music which appeal to the least intellectual faculties.

In time, such men become unable to appreciate the simple and natural pleasure conveyed by good music, good literature, good art, even the peaceful joys of home life. Picture the condition of our country if the broadcasting authorities were unfortunately influenced to succumb to the demands for the provision every evening of nothing but entertainment of this nature. After a few months of such nightly fare, even the "lowest brow" would clamour for variety. Then might follow a demand for the sensational method which have been adopted by some

cinemas, journals and vulgar forms of stage patter. Into every home these degrading forms of excitement would then enter, with disastrous consequences to the national character.

The authorities, knowing that their programmes can penetrate into every home in the cities and the lonely country villages, realize, and try to act in accordance with, their tremendous responsibility. The newspapers containing the records of criminal and divorce court proceedings can be avoided by those who do not care for such reading; precautions are usually taken to prevent these pages reaching the eyes of children. So, also, no one desires to see introduced constantly into the home the light fare which is supplied to, and presumably suits the taste of, the average audience in the music-halls of a great metropolis.

Owing to physical disability, many cannot read nor write, nor leave home to visit places of entertainment; hence, for many thousands the wireless will more and more become the chief source of diversion, and even of mental occupation in the case of the very old and the invalid. Continual light entertainment is not conducive either to health or to happiness in such circumstances. And who does not shrink from the thought of providing the young adult and the child with such unatural nourishment for their impressionable minds?

Too many of those who cater for the public imagine that only poor or indifferent mental fare is enjoyed by the majority. But in truth it is probable that most men prefer what is wholesome, sincere and good; the proof of such a statement is provided by the history of the gramophone. The gramophone companies at first made little progress; their growing popularity and prosperity dates from the time they began to turn out large numbers of records of classical music. The enormous growth of the demand for such records proves not only that there exists a large number of people who appreciate fine music, but also that this public with a critical taste is rapidly becoming more numerous.

There is yet another point of view which demands consideration. Too much music continued over too long a period is unhealthy for mind and body. Unhappily, I state that even the worker with uneducated taste

would suffer were he to listen every night for several hours to light entertainment and light music. Such fare would not decrease, but increase his fatigue after his day's work. The best kind of rest is obtained by a change of mental occupation and change of thought. To be taken out of oneself is not only the most enjoyable form of recreation, but the most health giving, and the most restful for brain and body.

The clerk, wearied by monotonous office letters, the manual worker and the housewife, worn out after the day's muscular work, each and all will find refreshment by listening to news of another world, such as is obtained from a lecture on the stars, or on journeys through strange countries.

There is much to be said for those who suffer from long hours of entertainment. Those who desire light amusement from 8 to 11 every evening, and dance music from 11 till 1 or 2 a.m., are physically strong enough to be able to find their amusement elsewhere. They can go to the halls provided for such entertainment and pay the musicians a living wage. Again, the need for long hours of sleep by the invalid, by the young, and by the workers, should not be disturbed by the loud speaker of a neighbour. Is it just that brain workers should be kept awake, night after night, by sounds which not only exasperate their musical sense, but also injure their working power on the following day? This matter demands most serious consideration. The work of this world is not performed by those who require jazz music or light entertainment every evening, and the amusements of the young must not be allowed to ruin the home life, the health and the happiness of the workers.

Every medical man knows that the uneducated are readily hypnotized. The same mental characteristic is evidenced by their unquestioning acceptance of the suggestion that "the classics are heavy." Directly such men hear a few bars of classical music or old-world songs they shut down their wireless, believing that they are to be bored. Let them be more original. Let them emulate those who think for themselves; let them dare to question this myth as to the dullness of good music, good literature, and

(Continued on Page 13)



# The Safety Valve

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



## NOTHING TO COMPLAIN ABOUT.

Dear Sir,—After listening to the principal stations in operation per medium of a Super-Heterodyne, I would just like to let you know how we appreciate them. I think the programmes from 4QG, 3LO, 2FC, 2BL, and 5CL are all very good, and the listener who finds fault with these stations must have a very poor set, and instead of complaining should utilise all his spare time increasing the efficiency of his set.

Complaints about the speedway items are uncalled for, as nine out of every ten listeners that I ask in this town all like the Speedway from Brisbane, and also the announcer. He has a "happy-go-lucky" way about him, and has the knack of maintaining interest between events. Good luck to him!

We in North Queensland are well satisfied with the programmes. If one station does not suit us, we just go on tuning-in until we get one that does, and that is my advice to all group listeners.

Yours, etc.,

**SUPER-PLEASED.**

Townsville, Qld.

## THE CHARGING OF ACCUMULATORS.

Dear Sir,—I think this business of charging accumulators is one of the worst things that anyone interested in wireless has to contend with. I have had a lot of trouble with dry batteries, and so also have several of my friends. Anyone who undertakes to charge accumulators ought to be able to test the gravity of the acid, and if this is not up to standard, no good results can be obtained. After many failures in sending accumulators out to be charged, I have now put in a charging set of my own.

Yours, etc.,

**FRED. BETHELL.**

Morgan.

## TOO MANY VOCAL ITEMS.

Dear Sir,—I fully endorse S.H.E.Y.'s remarks. To my mind, 3LO is the only good station we have, because we get a bit of everything—2BL and 2FC have too much singing. It is about time we had a change.

Yours, etc.,

W.I.S.

Wollongong.

## WHY, OH WHY?

Dear Sir,—I would like to know this: Why are Government officials, who obviously know nothing about broadcasting (technically or otherwise), handling the broadcast at the opening of the Federal Parliament at Canberra? Why are not the broadcasting stations carrying out this most important work?

Hoping to hear other readers' views on this subject.

Yours, etc.,

**GENUINE.**

Strathfield.

## SHOCK EXCITATION.

Dear Sir,—Surely it must be detrimental to the interests of the broadcasting companies to have such powerful stations as 2BL in such a thickly populated area as it is, making hundreds of sets in the locality practically one-station sets and disgusting owners generally.

During the recent storm, when 2BL was off the air for repairs, many local listeners tuned-in 3LO for the first time, delighted to know their sets could do it, but on completion of the repairs out went 3LO and in came 2BL again, much to the chagrin of the aforesaid listeners, who wished the cyclone had blown 2BL to 1HL. A little 2BL is very nice on occasions, but it's rough when you have to take him in overdozes.

Personally, I am just able to tune-in 3LO on an eight-valve "Emcco" Super Het, generally without interference, but with nothing to spare. Even the Neutrodyne of "Radio," January 5, is unable to eliminate 2BL here, yet I took that identical set to Swansea, 16 miles this side of Newcastle, and it completely tuned-in every "A" class station, Perth excepted, and several "B" stations without interference, on an aerial 100 feet long by 50 feet high, and an aerial like that is "looking for trouble."

My experience there convinced me that we folks in this area have no idea whatever of what good reception is, and never will while such a short-sighted policy prevails. No doubt it is alright for the man in Alaska, but he pays no licence fees locally.

Yours, etc.,

Bondi.

## FIFTY-TWO YEARS YOUNG.

Dear Sir,—I want to tell you of the joy broadcasting is to my patient, an old lady of eighty-two. The first time she heard the National Anthem on the wireless she insisted on standing up, and tears ran down her face, and she said, "I never thought it was so grand." She greatly enjoys the Sunday evening services and follows the singing and prayers, but I think her special favourites are the bands. One night she said she hoped the Lord would bless them, as they had given her such great joy. I might add that our set has made life quite different for the rest of the household, too.

Yours, etc.,

**NURSE A. W. TURNER.**

Melbourne.

## THE CAT AND THE KOOKABURRA.

Dear Sir,—A friend who has recently installed a loud-speaker set, referring in a letter to the recent broadcast of the kookaburra, tells me that while the bird was laughing, her blue Persian kitten went searching round the room in an endeavour to find the invisible songster! Surely there could be no more striking testimony to the success of the broadcast.

Yours, etc.,

**AUDREY HARRIS.**

Glebe.

## THE BIRTH OF THE SAXOPHONE.

Dear Sir,—I have in my possession a volume of the "Illustrated London News" of 1849, and in a notice of an exhibition in Paris in the issue dated July 7th of that year, mention is made of the saxophone—"a new musical instrument invented by Mr. Saxe, whose fame is well known in this branch of art and appropriately named after the inventor." A sketch of the instrument is given.

Yours, etc.,

**F.E.G.**

## BOUQUET FOR MRS. JORDAN.

Dear Sir,—Just a word of commendation on Mrs. Jordan's (2BL) Women's Session. This lady's talks are both interesting and instructive, and it is always a pleasure to listen in when she is on the air. May Mrs. Jordan reign for ever!

Yours, etc.,

**A WOMAN LISTENER.**

Bankstown.

Square Glass Cells with each Philco.



# It's All in the Air

Coming Features in the  
Broadcasting Programs

**COMMUNITY SINGING AGAIN:** Few modern institutions have taken such a hold on the public fancy as community singing, and its "happy season" through the winter months is eagerly awaited. 3LO have made arrangements to broadcast the 1927 season of Community singing from the Assembly Hall, Melbourne and every Thursday from 12.15 p.m. to 1.15 p.m. The enthusiastic response will be on the air. Various conductors will wield the baton throughout the season, and many novelties are proposed.

**MADAME ELSA STRATTA,** the world-famous soprano, is shortly to commence a brief season of broadcasting at 3LO. Madame Stratta has made tours with such notable people as Dame Clara Butt, Dr. Pachmann, Yvonne and Mark Hambourg. She is all anxiety to commence on her short but most interesting season in Melbourne, which will be but a prelude to English and American operatic tours.

**A LADY PIPPER:** Miss Gertrude Armstrong, the well-known lady singer who is once again at 3LO (with her bagpipes) is a particularly queer person, and has devoted many years to the study of "nine" music. Not many airs are written specially for the pipes—they all have to be transposed and re-arranged from other melodies, and Miss Armstrong has no fewer than 500 of these airs to her credit—all transcribed and arranged for the bagpipes by herself. Contrary to universal opinion—they originally came from Ireland, but the enterprising Scot, with the march of time, has made certain modifications in the staves and bellows, and therein lies the difference between the pipes of the "O's" and the Mac's."

**THE FUTURISTS:** We must really pass a hearty vote of thanks to that clever band of entertainers "The Futurists" who have introduced listeners to that "bitty" form of entertainment, the "noted" revue. When three or four people have to carry the entire performance on their own backs—it must follow that they must be distinctly smart and up to date, and this describes The Futurists. Whilst their turn is being broadcast, there is not one dull moment; it is witty and tuneful, the vocal contributions being much above the average. These talented people have all had an equal share in the preparation and production of the show, and are to be congratulated on their excellent results.



Mr. Stuart Robertson, the young English basso who is touring Australia in association with Dame Nellie Melba's farewell appearance. Mr. Robertson has been a consistent artist at 2LO London for the last 23 years, and will be broadcast by 2FC, when in Sydney.

**JONES AND RAIRES:** Entertainers, who have had a long series of engagements with 3LO, will be heard from 2FC on Saturday, May 14.

**E. J. VAN DE VELDE,** who still remains as active as ever under the impressive title of the 2FC Aerial Ambassador, literally blew back from Adelaide, having concluded a wonderful four days trip there and back. He said "Au revoir" to his Sydney friends on Wednesday night, left Cootamundra on Thursday morning at 6.0 a.m., and the 2FC announcer was reading telegrams during the day from the various points of call—Hay, Mildura and Broken Hill. At Broken Hill thirty wireless enthusiasts were waiting for the landing of the plane. "E.J." was astride the machine, snapping photographs of Broken Hill. Two talks were given from 5CL, and many listeners to 2FC rang the Studio, congratulating them, and commenting on the excellent reception of the Station in Adelaide. Mr. Van de Velde flew back from Adelaide to Cootamundra in record time, and was back in the Studio next morning with four hundred photographs. His talk from 2FC will be given on Wednesday night, May 18. There will be a number of photographs, illustrating this, the 4th of the Series: "Know Your Own Country," which will deal with his trip to Broken Hill and the Darling.

**LEE WHITE AND CLAY SMITH:** Theatrical fame is usually local, but not the name of Lee White and Clay Smith outside a theatre in London, New York, Frisco, Calcutta, Sydney, Auckland, Paris, Berlin or Buenos Aires, and a crowded audience will be there to welcome the famous couple. In the air their name is equally renowned, and now that 3LO have made arrangements to present a series of concerts by Lee White and Clay Smith there will be few idle sets throughout Australia. Few artists have done more to popularise that style of entertainment known as "songs at the piano" than Lee and Clay, as they are affectionately known to all who have heard them. What is the secret? Lee White's entrancing personality, a sunny smile and an unerring judgment of the songs the public likes are the answer. And this brings us to Clay Smith, the brilliantly unobtrusive partner. Clay writes the wistful ballads, the merry jingles, and the witty word puzzles which have made Lee famous. His piano accompaniment is perfect, yet he supplies the full effect without detracting attention from Lee White. Yet when he does step into the limelight we find a brilliant light comedian, a bright personality who vies with his beautiful partner in catching the public attention. Lee and Clay are American born, but both proudly claim a Scotch ancestry. "The blood of the Stuarts is in the veins of both families," they explain.

**PAULINE PRY:** Hides the identity of a recent arrival from England, who will give a series of afternoon talks commencing May 16 (Monday), from 2FC. This lady was private secretary to one of the biggest revue managements in England, for a considerable period, and has many intimate stories to tell us.

**A NIGHT WITH CAPTAIN HURLEY:** Listeners are reminded to listen in 2FC-wards, on Thursday night, May 12, when the unique story of Captain Hurley's home, and his numberless adventures, will be told.

**S. H. BOWDEN** can always be depended upon to give an interesting talk, and he has been booked by 2FC for a series of Sunday talks, on the following interesting subjects: "York, the City of the Duke," "England's Hallowed Ruins," "Milin and its Cathedral," "Lucerne, Queen of the Swiss Lakes," and "Ireland's Baronial Castles." The series will commence on Sunday, May 8.



"FRASQUITA," broadcast on May 6, proved delightful. The opera contains so much tuneful music, it makes it particularly suitable for broadcasting. The 2nd Act will be broadcast by 2FC on Friday, May 13.

**BRIDGE LOVERS:** Are requested to listen in to the series to be given by the well known bridge authority, Graham Kent, which commences on Friday, May 13. The subject of the first talk is: "What to Lead."

**CHINA SOCCER TEAM:** Which is touring Australia, and playing matches with the principal States, is due for a match with N.S.W. at the Royal Agricultural Showground on Saturday, May 14, which 2FC is hoping to describe.

**STATE WIDE DANCE NIGHT:** In connection with "Girls' Realm Week," which commences on Monday, May 16, the Radio Bureau have, at the request of this committee, approached the various Stations to arrange a special dance night. Miss Elaine de Chair is taking particular interest in the work of the Girls' Realm, and a private dance is being given at Government House during the week. Arrangements have been completed whereby Tuesday night, May 17, will be given up as a radio dance night. Loud speakers will give the guests in many thousands of homes a continuous night of dance music. 2FC are placing a band of ten members in the Studio, and commencing at 8.0 sharp, with dance music, giving groups of ten minutes each right through the evening until 11.0 p.m. Four-minute intervals between each group will be filled in with Studio items, including Alfred C'Shea, Australia's foremost tenor, Candes Lawrence, entertainer, Dorothy Dewar, soubrette, Len Maurice, popular baritone, and Freda Gilder, contralto. Should this all-night dance programme meet with general approval, it may be possible to make it a regular feature.

**THE FOUR WAIFS:** Harmonists and vocal comedians, will be heard from 2FC on May 16. On the same evening, 2FC will broadcast several groups from the pianoforte recital by the Russian pianist, Alexander Sverjensky.

**SOME NEW ARTISTS FROM 2FC:** Neapolitan Duo, mandolin and steel guitars; Miss Kitty Poole, comedienne; Jean Kennedy, flute and oboe soloist; T. Rea, trombone; Miss Muriel Boley, soprano; Andrew Higginson, and Miss Enid Lavis, Jones and Raines, entertainers; Clyde Thorne, violinist; Michael Brian, baritone; Lawrence Broadbent, basso cantante; Ted Turrell, comedian and imitator; Howard Leighton, piano novelty pianist.

**"AU FAIT":** Derservedly popular are the fashion talks of "Au Fait," who is one of the first "lecturers" to broadcast from 3LO. The pleasing thing about these "talks" is that "Au Fait" does not forget to remember that many of her listeners are country people who have not that convenient little shop round the corner to rush to at any moment, but have oftimes to make do with what they have on hand. Her various hints on fashions—which are of tremendous interest to the majority of women—have made for her a wide circle of friends, and her extensive mail contains many grateful expressions of thanks for help received.

**DISTINGUISHED TENOR:** Maxim Brodt, the distinguished Russian tenor, who is to be associated with Madame Strala during her broadcasting season from Studio 3LO, is already well known in Australian musical circles, as the possessor of a delightfully pure and resonant tenor voice, with qualities that make it especially adaptable for broadcasting. He has come to Australia via England and South Africa, where he gave many concert recitals, and is fulfilling a brief season in Melbourne, before he goes to America to enter upon some important contracts.

**"TAMBOUR MAJOR":** As far as we can remember, "Tambour Major" has not been heard on the air in any part of Australia. Edward Eroy is preparing this beautiful old opera, and as a transmission cannot be taken from the actual production, arrangements have been made for a Studio presentation of the gems from "Tambour Major" on Tuesday, May 24. Items from the choruses and the best songs, will be rendered by the principals of the Company.

**SYDNEY SMITH, JUNR.,** will give his final talk on the Australian cricket tour, on Wednesday, May 25.

**JACK LUMSDAINE:** We wish this popular entertainer from 2FC "Bon Voyage." He sailed on Friday, May 6, for New Zealand, for two months, and may the time pass quickly, for his going leaves a noticeable gap in radio entertainment.

**A NEW BAND ON THE AIR!** The N.S.W. Tramways Band has been given a Studio engagement by 2FC, and will be heard in a selected programme on Thursday, May 19.

**ST. CLEMENTS, MOSMAN,** is fortunate in possessing a very fine organist in the person of Mr. Arthur Massey, and Sunday, May 22, has been given up to the Service of the Church, with an organ recital to precede it from 6.30 to 7.15 p.m.

**APPRECIATION** of the descriptions of boxing contests at the Stadium broadcast periodically by 2EL have recently been received from several outback listeners in New Zealand. Clear reception has been the feature of the descriptions, according to the letters received.

**THE PRODUCTION** at Hoyt's Theatre, "Chatwood, of the musical comedy, "The Ruffia Girl" (by Rex Shaw), is to be broadcast by 2EL. The first act of the comedy will be broadcast on Wednesday, May 18, and the second act on the following night.

**FREQUENTLY UNCLE GEORGE,** who conducts 2EL's popular Birthday Club for youngsters, receives postal notes offering payment for membership of the club. Uncle George wants all his young listeners to understand that the club is absolutely free. No payment at all is necessary, and every youngster who wishes to join is welcome.

**ON WEDNESDAY, May 25,** the entire programme provided by 4QG will be relayed from the Soldiers' Memorial Hall at Mr. Gravatt. Popular artists will assist and the evening promises to be a good one.

**ANOTHER** of the choral recitals which have proved acceptable to the majority of 4QG listeners will be relayed from the City Tabernacle, on Thursday, May 26, when the choir, under the leadership of Mr. Sydney May, will provide the programme. The recital will be followed by the relaying of an impromptu programme of music by the Brisbane Municipal Concert Band.

**MR. GEORGE SAMPSON,** who is conducting the Workers' Educational Association Tutorial Classes in music this year and is holding them in the Reception Hall at 4QG, has no less than five different parties of artists assisting him to illustrate his lectures. Each of these parties is composed of distinguished musicians and the efforts of these performers, as reproduced by wireless, have been something well worth while listening for.

**4QG** will go a long way afield on the night of Saturday, May 28, when it will be connected by land line with Murwillumbah (N.S.W.), so that the choral section of the Murwillumbah Musical Festival may be relayed. Remembering the recent relays from Nambour and Gympie, listeners may look forward with pleasure to the forthcoming broadcast from Murwillumbah.



# Victorian Broadcasting

## News and Notes

By Our 3LO Correspondent.

THE story of Victorian broadcasting for the past couple of weeks is really the story of the Royal visit. Every event of any importance has been described over the wireless with such detail that those absent from the city have been able to see the ceremonies through the eyes of trained broadcasters.

Notable among these was the University "rag," which was an unexpected addition to the dignified ceremony in the Wilson Hall. Although this latter, including the Duke's speech, was of great interest to the listening public, it was when the noisy but humorous "rag" broke out that the real "fun of the fair" started. I happened to meet Norman McCance in the Registrar's office a minute or two after it began. He was ringing 3LO furiously. Within a very few minutes, despite the difficulties, the mechanics from the studio had hurried up in a car and had connected up a long line which enabled McCance to follow the mad procession that had captured the Duke and to send over the air as fine a bit of humorous description that Victoria has known. I have heard many comments since, not only on the way the broadcaster did his work, but on the way in which 3LO jumped into an emergency.



Donald Maclean, new children's entertainer at 3LO Melbourne. (see letterpress on this page).

### POPULAR CONCERTS.

On Anzac night the only entertainment in the city was the broadcasting in 3LO's studio. So great was the crowd seeking admittance that the street doors were closed, and only a secret pass word admitted.

I looked in a little after 8, and found the public space fully occupied. It was appropriately a Diggers' Night, and after the strain of the wonderful and moving march during the day, in which hundreds of thousands of citizens were enabled to participate through the excellent description of almost every move over the wireless, people seemed glad to listen to the lighter side of the war experiences of the men, especially the camp fire songs of the campaigns.

With a couple of hands playing martial music, and the familiar bugle calls echoing with thin sweetness through the studio and thence round Australia, it was easy to recall those years of war and to imagine the city once more full of khaki-clad warriors. For this is the magic and the province of music, to re-create emotions.

### DONALD MACLEAN.

All children pass through the stage where the fairy stories are abandoned for tales of adventure and bravery, and 3LO's army of children listeners are of all ages. None is too young to appreciate the stories of Captain Donald Maclean, a new entertainer, during the children's hour of 3LO.

Captain Maclean chose for his opening entertainment the period of Drake and the Spanish Main. To the average child's mind there is no era in British history so enthralling, so adventurous and so romantic as the reign of Queen Elizabeth, he says, and the tales of buried treasure, fierce maritime battles, and England's pioneering navigators.

However, listeners should note that Captain Maclean's lectures and stories are not only of interest to children. Adults will find his tales just as enthralling. He has just returned to Australia after a lecturing tour in the British Isles, where he did much to popularise Australia and encourage immigration by means of a lecture entitled "Australia today." This lecture was given throughout the principal cities of England and Scotland under the auspices of civic authorities. "Though I had no



Miss Stephanie Deste to produce *Salome* on the Air at 3LO (see paragraph on this page).

connection with Australia House, and received no payment from the Australian Government for my work, I claim that I have done as much as anybody to popularise Australia. On many occasions I have lectured to 3000 people at a time, and in my whole series of lectures I found that "Australia to-day" was the most popular feature."

Captain Maclean's adventurous and varied career alone will enthrall him to children's hearts. Born and bred in the Australian bush, Donald Maclean has seen life from many angles. Bush missionary, navy prison, city minister, army chaplain, traveller and lecturer and author are a few of his vocations. He is the author of several well-known books, "The Man from Curdies River," "John Scarlett," "The Luck of the Gold Mouldere" are some of the most popular, and he has also gained popularity as a writer of short stories in the "Windsor," "Strand," "London," "Wide World," and other magazines.

"SALOME" ON THE AIR: That picturesque personality and brilliant artiste, Miss Stephanie Deste, who plays an important role in "Rose Marie" at His Majesty's Theatre, Melbourne, has had a wish granted. When she first gave elocutionary recitals through 3LO she stated that "Salome" would make an excellent subject for broadcasting. 3LO, Melbourne, have now made arrangements for Miss Deste to produce Oscar Wilde's famous play with a cast selected by Miss Deste. A special orchestral accompaniment from the operatic version by Strauss will be a feature of the entertainment. A date has not yet been fixed for the recital.

# Day and Night Reception in the Country

## CESSNOCK.

Dear Sir,—I live in Cessnock, fifteen miles from Maitland, and experience poor night reception of 2FC and 2BL. I cannot make head or tail of 2FC's night programme (7 p.m. onwards). It is impossible to listen to any item in the whole of the night's programme. 2BL is also the same in this district, though not so bad as 2FC. Yours, etc.,

H.K.

Cessnock.

## ALBURY.

Dear Sir,—My report on 2FC and 2BL reception is as follows:—

Daylight: 2BL, very weak; 2FC, weak, but far better than 2BL.

Night: 2BL, very good and remaining constant throughout with only few slight patches of fading. 2FC, only fair, fading troublesome, and also a characteristic mushiness that gives us the impression that they have wandered from their wavelength, this occurring for minute stretches at about five minute intervals. All other inter-State stations good, especially 4QG, and of course, 3LO.

Yours, etc.,  
AERIAL.

Albury.

## GRETA.

Dear Sir,—I am disappointed in the transmission from 2FC and 2BL. During the daytimes these stations are only passable, and at night it is beyond me or any other listener-in that I know to get satisfactory results, as I have listened in to three, four and five valve sets of all makes and they are all the same. Yours etc.,

D.E.S.

Greta.

## GOULBURN.

Dear Sir,—In the daytime the Sydney stations are almost perfect, but at night they are absolutely impossible because of distortion, and I know that the majority of listeners in this part of N.S.W. are of the same opinion.

I was looking forward so much to the transmission of "The Mikado," but it was a bitter disappointment. I am sure that had Gilbert and Sullivan been listening they wouldn't have recognised their own opera, so there was nothing else to do but switch over to 3LO. This station and 4QG is always excellent at night, when there is no static. It seems such a pity that when 2FC's programmes are often so excellent we are debarred from hearing them.

Yours, etc.,  
G.

Goulburn.

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

## NEAR AND DISTANT RECEPTION

Dear Sir,—I believe all the A class stations are efficient. As a close reader of "Wireless Weekly" and a lover of radio reception, I have deducted the following in respect to transmission in relation to distance (A class stations only).

Where the station is from 100 miles to 300 miles distant (approx.), daylight reception is clear and fading is almost absent. At night, however, there is constant fading and indistinctness.

On the other hand, where the station is above 400 miles (approx.) night reception is very good.

The change of seasons affects this deduction only slightly, that is, of course, relatively speaking when comparing each.

4QG on the Clarence River is very "wobbly" at night, while daylight reception is stable and distinct—distance approximately 150 miles. 3LO is excellent; distance 1000 miles (approx.).

Through "Wireless Weekly," in one of your issues last year, appeared reports made in respect to fading of 3LO. These reports were the results of special tests made approximately 100 miles east of Melbourne. They clearly showed that while good reception was available during the daytime, listeners-in invariably tuned-in to 4QG for a clear, distinct night's programme.

This statement will probably be helpful to a great number of listeners who justly complain of poor reception from neighboring A class stations. As regards reception from 2BL and 2FC on the Clarence, I might add they are evidently much better from this distance—approximately, 350 miles, though quite secondary to 3LO. Yours, etc.,

G.J.C.

Woodford Leigh.

## AVON DAM.

Dear Sir,—Reception of 2FC and 2BL is alright in daytime, but as soon as night sets in they are distorted and by the time they are tuned in especially 2FC, they sound far away. I have only noticed this within the last couple of weeks. This is very hard on the worker, as he can only listen in at night.

Yours, etc.,  
M.A.E.

Avon Dam.

## QUIRINDI.

Dear Sir,—I am sorry to have to endorse the statements made by other correspondents regarding reception of 2BL and 2FC. I arrive at this conclusion by a very simple method, namely: I tune into Melbourne or Brisbane on my receiver, and then very quietly sit and listen to the programme without having to touch the receiver for an hour or two. If I tune in 2FC or 2BL I have to be in constant attendance at the dials; tuning and re-tuning, owing to distortion in the transmission. This occurs both in day and night reception. Yours, etc.,

F.W.E.

Quirindi.

## HAMILTON.

Dear Sir,—I have a Browning-Drake set, but since 2FC altered its wavelength, I cannot get that station at night time for blur and distortion. I get all other stations, interstate as well, excellently, 2BL comes in excellently, but I think their programmes could be bettered. I think if they were interspersed with more musical, instrumental and band items they would be brought up to the standard of 3LO and 4QG. Too much of one thing, such as continual vocal numbers, soon tires one, and it is a pity that such a good station as 2BL should be passed over to listen to the inter-State's

Yours, etc.,

G.J.B.H.

Hamilton.

## SOUTHERN HIGHLANDS.

Dear Sir,—If reception as experienced by other correspondents is as bad as here on the Southern Highlands, then they have my sympathy. "Impossible" is the only word to describe it.

The affected area here, from enquiries made, extends from Bargo to Goulburn, a distance of 70 odd miles, and includes such towns as Mittagong, Bowral, Moss Vale and Bundanoon, etc. Daylight reception is good, so why this distortion should take place in certain localities, and only from Sydney, is a mystery. Evidently direction and darkness is in some way responsible for the phenomenon, but the main thing is the remedy, and this, in my opinion, lies solely in the erection of relay stations. One strong relay station, transmitting, say, from Katoomba, would give to all now affected an entirely different nightly service.

Yours, etc.,  
F.H.P.

Bowral.



**Radio to Make us Healthy**

(Continued from Page Seven.)

good lectures. After a very little perseverance, they will find, to their surprise and growing delight, that on further acquaintance the only difference between good and bad music is that the good stands the test of time. The inferior article soon palls; the superior works give deeper pleasure the more often they are heard.

\* \* \* \* \*

Life is not always full of energy and high animal spirits. Horse-play and care-free jollity, however customary amongst the young, can only touch the fringe of life. Sorrow, sickness, evil temptation, tragedy and death await each one of us in the brief passage from birth to the grave. No light entertainment helps a man when he first makes acquaintance with any one of those things. Then he comes in touch with the infinite, with the reality behind the show. Only the great in music and literature give consolation and courage to endure these mighty tests of character. Therefore, they ought to have due place in programmes designed to bring help and give pleasure to every home in this great nation.

On page 33 of "WIRELESS WEEKLY" of April 29th appeared an advertisement featuring the well-known Philips B400 valve. Underneath the block showing the cut section of the valve are published the characteristics, the last line reading: "Impedance (ohms), 13,000." We regret that this line was inadvertently included in the advertisement.

**HAWAIIAN DUO:** Lovers of that ever-popular form of musical entertainment, the Hawaiian steel guitar and ukelele, will welcome the news that two of the great players of these instruments are shortly to make their bow before the microphone in BLO. Frank and Francis Luia, who have gained a world-wide reputation as Hawaiian entertainers, will be remembered by Melbourne theatre-goers for their delightful performance with the Hawaiian Troubadors at the Athenaeum Theatre, some few months ago.

In the last issue of "Wireless Weekly" we inadvertently listed the name of Manufacturers' Products Pty., Ltd., as exclusive selling agents for Clyde Batteries. Such is not the case, as the Clyde Company distribute Clyde Batteries themselves.

**PROOF:—***Results speak louder than words, BUT—**Words Prove This*

Petersham,

12th April, 1927

Dear Sirs,

I desire to bring under your notice the splendid results obtained from the MINGAY SUPER THREE SET purchased from you on the 2/4/27. On an Indoor Aerial I have tuned in all the following Stations on the Loud Speaker:— 2KY, 2UE, 2GB, 2BL, 2FC, 3LO, 3AR, 4QG, 5CL and one New Zealand Station, 1YA, Auckland - every night they are working. I may add that this is the first Radio Set I have had.

Yours faithfully,

(Signature on application)

**The MINGAY****£21/-/- SUPER-THREE***Complete*

Obtainable at our Dealer-Agents and

**SYDNEY RADIO CO., LTD.,  
60 CASTLEREAGH STREET :: SYDNEY**

# Can You Get Holland?

Build yourself a Short Wave Receiver and get the Dutch Station PCJJ  
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## The "CONOCOIL" Short Wave Tuner Kit

Wave Range:	
Coil	Metres
No.1 Tunes	15 to 33.5
" 2	" 31.5 to 65
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PRICE:

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Set of 3 Coils cover  
Wavelengths  
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These Coils are designed for the "Weagent" Valve Circuit.  
Full Particulars and Circuit supplied with each "Conocoil" Outfit.

Karas Orthometric Condensers, .00025 Price 32/9  
These Condensers are most suitable for the above

Here are parts to build a selective 3-Valver for the experimenter who seeks to cut out interference:—

### The Wave Trap 3-Valve Reinartz Set

	£	s.	d.		£	s.	d.
1 Genuine Radion Panel, 21 x 7 x 3-10	0	15	4	1 Radiookes H.F. Choke	0	8	0
2 23 Plate New "Certified" S.L.F. Condensers, at 9/6		10	0	2 "Advance," "Jefferson," or F.M.C. Transformers, at 17/6	1	15	0
1 17 Plate New "Certified" S.L.F. Condenser, at 9/6	0	9	6	1 Philmore Standard Terminal Board	0	2	3
2 Ajax Wire Wound 30 ohms. Rheostats, at 1/10	0	3	8	2 Emmco Bakelite Vernier Dials, at 7/6	0	15	0
1 "A" Battery Switch (push-pull type)	0	1	6	2 New Philmore (one hole fixing) Point Switches, 2/4	0	4	8
1 Philmore Single Circuit Jack	0	1	7	1 Dox. Square Buswire	0	0	10
2 1in. lengths of 3in. Radion Tubing, 10d.	0	1	8				
1 4lb. real 35 D.S.C. Wire	0	3	5	You can buy these parts with a money-back guarantee for			
3 Philmore Standard Valve Sockets, at 1/9	0	5	3		£	5	8

### More Goods To Interest You

(Write for Our Current List.)

	£	s.	d.		£	s.	d.
Puremax Loudspeakers: A £6/10/- Speaker for	3	10	0	E.C.O. Hollow Spindle, Straightline Condensers: Suitable for gang mounting, .0005	0	10	0
Transonic Junior Loudspeakers: The Little Marvel	0	19	9	Advance S.L.F. Condensers: .00025, 9/8; .00035, 10/-; .0005	0	10	6
Wet "B" Batteries: "Varta" 10 Volt Units, each	0	11	3	Emmco Audio Transformers: 5 to 1, or 3½ to 1	0	17	6
Everready "B" Batteries: 31 Volts, 9/6; 42 Volts, 12/6; 60 Volts	0	18	0				
Heavy Duty "B" Batteries: 45-Volts, Volt-on, 22/6; Burgess	1	8	0	COUNTRY CUSTOMERS: Please remember all our goods can be returned and money refunded if you are not satisfied. We pay carriage on all orders of 10/- and over, except on Batteries, Cabinets, Loudspeakers and Value Payable Post Parcels.			
Emmco Vernier Dials: Metal, 9/6; Bakelite	0	7	6				
Plot Vernier Dials: Black Bakelite	0	0	9				

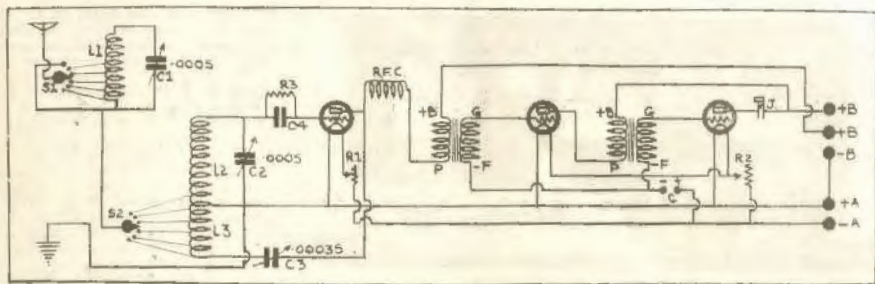
"YOURS FOR LOWER PRICES."

## THE ECONOMIC RADIO STORES

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## A Wave Trap 3 Valve Reinartz

*A Receiver which gives full volume on distant stations.*

Of recent weeks there has been a great demand by readers for an extremely selective three valve Reinartz receiver, and this article is in response to these requests. That it is selective, there is no doubt, and that it is extremely sensitive is also true, therefore we feel sure that it will be welcomed by all.

Last week's receiver, it will be remembered, was a three valve set with one stage of radio frequency amplification, detector, and one stage of audio frequency amplification, but this week the straight out detector and two stages of transformer coupled audio frequency are employed. To insure maximum selectivity a wave trap of the auto coupled series type is incorporated in the receiver. The many people living close to 2BL, 2PC, and 2GB will find this wave trap a boon.

The Reinartz form of reaction is resorted to, in this receiver, as it is the best for simplicity of control. Instead of the set bursting into oscillation with a "pop" the Reinartz method is different. The reaction is gradually and smoothly brought into play by means of adjusting the small reaction condenser C3. This is simple and effective.

The front panel view shows three big dials which are for the three condensers. Although three condensers are required the main tuning control is the middle one, this condenser tuning the grid circuit of the detector. The condenser on the left governs the

wave trap, the right hand condenser being for the reaction control. From 200 to 800 metres are covered by this Reinartz, this being the range of all Australian and New Zealand stations excepting 6WF, Perth.

Two rheostats are provided, one for the detector valve and one to govern both audio valves. A selector switch for the wave trap is located under the wave trap condenser; under the grid tuning condenser is placed a selector switch for the aerial. Nothing has been left to chance, everything has been carefully worked out and the selector switches make allowances for different lengths of aerial.

The circuit is the standard Reinartz as may be seen in the diagram, the addition, of course, being the wave trap L1 which is tuned by condenser C1. The grid coil L2 is tuned by condenser C2, C3 being the reaction condenser. This condenser is of 17 plates; whereas both other variable condensers are of 23 plates, although no great harm would be done if all condensers were of 23 plates. The radio frequency choke may not be necessary if the first A.F. transformer is of the large core and large primary type. It was found advantageous in the receiver built by us.

The parts required are enumerated elsewhere in this article, and it behooves the constructor to remember that the valves should be adhered to strictly if the best results are desired. The Radioakes choke is of excellent design, but, if desired, this may be made at home. Obtain a piece of Dilecto or Radion or even fibre tubing 2½ inches long by 1 inch in diameter, and wind on this former 250 turns of the 36 gauge D.S.C. wire, neatly and evenly.

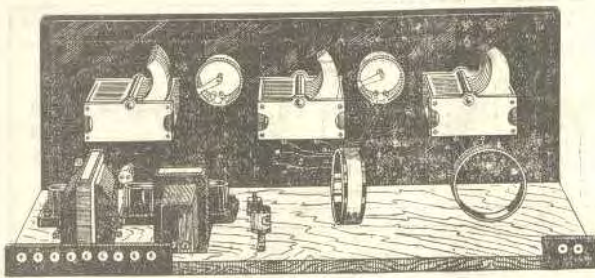
While in the winding humour, wind the coils. For this purpose the 3-inch tubing and the 36 gauge D.S.C. The construction of the coils is fairly straightforward, but it is admitted that extreme care is necessary in handling this thin gauge of wire. The coils must be wound reasonably tightly otherwise the wire is likely to slip. Drive a long nail into an old piece of board and slip the reel of wire over it. Fix a small spring in such a way that it makes a rubbing contact with the bottom of the spool thereby creating a nice useful winding tension. The long spring from one of the Everready refills is just ideal, and a nail through one end and into the board will hold it in position.

Don't make this tension too tight or the wire will break if pulled too hard. Watch out for kinks, as the wire will be weakened at the kink and any attempt to straighten it out usually results in a break.



*The front panel.*

**You can Recharge a Philco for a few pence.**



A back of panel view showing arrangement of component parts.

Wind coil L1—the wave trap—first. Make two very small holes  $\frac{1}{4}$  of an inch from the edge and thread the beginning of the wire through these holes and wind on 40 turns of wire neatly and evenly. Tappings are taken at the 5th, 10th, 12th, 15th and 20th turn. The method of taking tappings is simple. Hold the thumb over the last turn wound, that is the tapping turn, and pull an inch of wire from the reel, and twist into a loop, making several twists to prevent the loop coming undone later. When the coil is wound don't attempt to further twist the loops or it is likely that a break will be made. Don't be alarmed at these instructions, as they are for your guidance and are told you to avoid the consequences.

When this coil is wound proceed to wind the next coil—the grid coil, also the aerial-reaction coil, both being wound on the same former. The grid coil L2 consists of 40 turns of the same gauge wire, a tapping being made at 5 turns from the earth end as shown. The next coil (L3) of 20 turns is wound consecutively to the grid coil and is tapped at 3, 5, 8, 12, and 20 in the manner already prescribed. When finished winding wipe over the coils with a little shellac varnish. Don't smother the coils, only one wipe with thin varnish will keep every turn of wire in place. Keep the shellac off the loops or taps. This saves time when removing the insulation.

This insulation from the taps must, of course, be scraped off. Use a blunt penknife and carefully scrape each tap. Don't scrape too hard, just gently. Perhaps a small piece of fine sandpaper would prove efficacious instead of a penknife. When the insulation has been scraped off the taps perhaps it would be advisable to tin each tap at this stage. Heat up the soldering iron, and while it is heating apply a small portion of flux to each tap. Now with a nice hot, tinned, soldering iron, pick up a small quantity of solder and apply to each loop.

The solder should "take on" easily. Now leave these coils carefully on one side, out of harm's way, and prepare the panel.

PARTS.

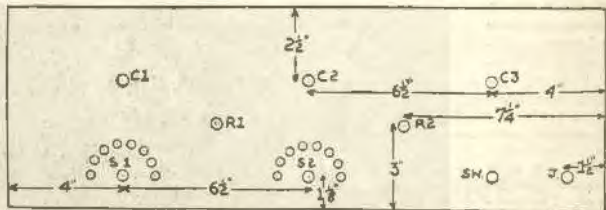
- 1-Direct or Radion Panel 21x7x 3-16.
- 2-23 plate (0005) Pilot Condensers 9125.
- 1-17 plate (0003) Pilot Condensers 9117.
- 2-30 ohms. Advance Rheostats.
- 1-B.M.S. Battery Switch.
- 1-B.M.S. S.C. Jack.
- 2-1-inch Arm Selector Switches.
- 12-Contact Studs and 4 Stops.
- 3-All American-Valve Sockets.
- 1-Advance 5/1 A.F. Transformer.
- 1-Advance 3 1/1 A.F. Transformer.
- 1-00025 Wetless Grid Condenser.
- 1-2 meg. Leak.
- 1-Radioken R.F. Choke.
- 1-Terminal Board.
- 2-Vernier Dials.
- 1 Baseboard, 30 x 9 x 1/2.
- Busbar, Celatite, Screws, etc.

The panel drilling diagram indicates the positions of the different parts. Compare this diagram with the front panel view for reconciliation

purposes. Lay the panel on the flat surface of a table or bench and centre punch each position. Only the spindle holes of the variable condensers are shown; with the Pilot condensers used in our set a drilling template is provided which shows the positions of the fixing screws. The radial switch arms recommended should be about 1 inch span, and it is advisable to drill the hole for these switches, and mount them, describing an arc in the positions of the contact studs. With a pair of dividers or compasses measure off the positions for each stud, each being  $\frac{3}{16}$ ths. of an inch away from its neighbour. Switch stops may be included if desired, the positions for these will not take much determining. Watch carefully that no piece of apparatus fouls another piece. Drill all the holes, including three holes at the bottom of the panel for fixing the panel to the baseboard.

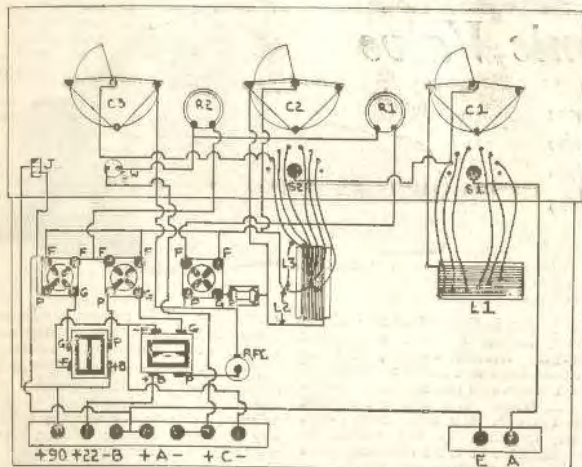
When drilled mount the parts. Begin with mounting the contact studs. Firmly fix each stud to the panel, tightening up the nut at the back securely. When this set was being built a friend presented the writer with a group of small magneto spanners, and they were found to be ideal for many wireless purposes. Get a set, they are very handy. Perhaps you have a friend who believes that "it is better to give, than receive." That is by the way, however.

The baseboard is the next consideration. Firstly fashion small brackets for fixing the coils to the baseboard. When this is being done get someone to square up the baseboard. Sandpaper it well and give it a couple of coats of shellac. Shellac varnish is easily made. Obtain sixpennyworth of dry orange shellac from the ironmonger and shake it into a large mouthed pickle bottle. Pour over it sufficient methylated spirits to cover it and shake well. Leave it overnight and in the morning you will have really good varnish. On examining it you will find that the top is of a nice light shade, varying in density as the depth increases. For the coils the top portion is required, but for the baseboard the shellac may be stirred up. Always keep this shellac well corked up, as by evaporation



The panel drilling template.





The wiring diagram.

all the methylated spirits will vanish, and remember that the cork always sticks. Wash out the brushes in some hot water and soda to prevent them "gluing up."

Screw the parts to the baseboard, noting that the transformers are at right angles to each other. Although the grid condenser is shown as having been mounted on the baseboard, actually it is mounted straight on to the grid of the valve socket. It will be seen too that the wave trap coil is placed at right angles to grid-aerial-reaction coil. Gauge the distance from the positions of the variable condensers. Fix everything in position, then the set is ready for wiring.

Begin wiring by connecting up the taps from the coils to the contact studs. Follow out carefully the back of panel wiring diagram. Notice that the aerial switch joins the lowest or nearest stud on the wave trap selector. This is to permit the wavetraps being cut out of circuit altogether if desired. For all these connections use some flexible leads, such as Celatite or spaghetti covered wire. Solder one end of each wire to the already tinned tap, then solder to the correct stud. Take the connections to the variable condensers, then wire up the filaments of the valves, the rheostats, then work back from the audio end. The terminal board is the last thing to be wired in, after which test out the receiver for continuity. Check everything over very carefully—compare with the circuit diagram

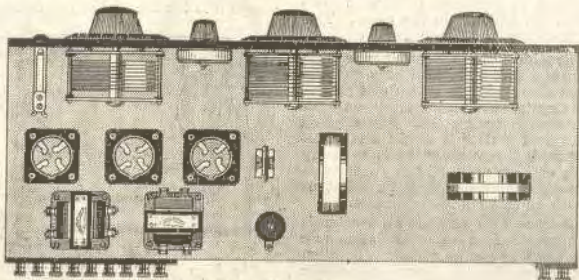
always and take this further opportunity of understanding the circuit diagram. Connect up the A, B and C batteries. On the actual test Osram D.E.5 h. valves were first tried. Being a 5 volt valve a 6 volt accumulator was used for an A battery, and was connected to the correct terminals. The detector valve had 45 volts as a plate battery, while 90 volts were applied to the two audio valves from the Volton batteries. A C battery of 45 volts functioned best as grid bias. When Mullard valves were used the detector voltage was lowered to 22½ volts. Remember always to try different plate voltages to the different terminals, and also adjust the grid or C battery to maximum commensurate with results.

However, hook on the aerial and earth and plug in the loud speaker.

Set the left hand, or wave trap switch to the sixth stud, that is the stud which is joined to the aerial switch. This cuts out the wave trap from the circuit. Tuning with the middle condenser C2 bring in the local station to its loudest point. Bring around reaction condenser C3 until the set is just on the point of oscillation. Now move the wave trap selector switch back a point and tune with the wave trap condenser C1 until the signals from the local station are weakened. Find the weakest point—that point when a movement in either direction increases the strength of signal. If possible eliminate the station altogether. If this is not possible on the fifth stud try each successive stud in rotation, tuning each time with the first variable condenser.

The aerial selector switch is very easily adjusted. This is adjusted according to the wave length of the station being received. Perhaps you may hear 3LO, Melbourne, on stud 4 and 5CL, Adelaide, on stud 5. This can be determined for yourself and experience will show you just the best location. It may take a little bit of careful handling to understand the trap arrangement, but after all it is really very easy.

Within half an hour of this receiver being built it was possible to hear 4QG, Brisbane, on good loud speaker strength and 3LO, Melbourne, on medium strength. Adelaide, 5CL, was nicely heard, too, and no sign of the local stations was heard during reception of the interstate stations. A little careful adjustment of the trap was required, but one could always go back to the settings and find the same station. The aerial situated at Marriekville is 78 feet in length overall.



The baseboard layout.

## The Thermionic Valve

*The first of a series of three articles dealing with the functioning of that all important piece of wireless apparatus, the valve.*



**I**N spite of all that has been written with reference to the three electrode wireless valve it is astonishing to learn of the number of people who have no conception of how a wireless valve works. The correct understanding of the functioning of a wireless valve goes quite a long way to explain the theory underlying the principle of wireless, and, therefore, no one can proceed very far in this vastly fascinating subject without some knowledge of the theory of electrons—that most wonderful of all units of matter.

It must be understood that a complete treatise on wireless valves is not possible in these pages. The writer has an extensive collection of wireless books on his bookshelf and fully two-thirds of them deal with the valve itself entirely, so, please, be content with just a surface glance of this vast subject in the meantime.

Many people wonder where the definition of valve comes in with relation to the "Aladdin's Lamp of Wireless. A valve in a bicycle or motor tube, or a steam valve, is generally understood. In the motor tube the current of air passes in one direction, that is, from the outside to the inside and the valve prevents this air flowing back again. This is similar to a wireless valve, it allows the current of electrons to flow in one direction and not in the other. This will be explained fully later on.

Speaking of electrons, it may seem strange that it is necessary to discuss these little particles of negative electricity before anything of the wireless is understood. The electron theory of matter is of the utmost interest, but remember it is a theory only and has replaced many other previously convincing theories. Let us touch on it for a few moments.

Science tells us that all matter is composed of a number of minute particles known as atoms. The atom again may be split into much smaller particles of two different characteristics—the proton and the electron,

the proton is the central core of the atom, having a positive electrical charge. Around this proton or nucleus exist or revolve a number of electrons, which are of negative electrical value. Two different metals, for example, may differ from each other according to the number or arrangement of these electrons—that is, by the way, however.

A piece of lead, for example, which to the human eye looks a dull solid substance, is in reality made up of many millions of atoms—protons with electrons revolving around them just like the planets revolve around the sun. It is possible that there is an empty space between the protons and electrons and also between the atoms themselves, so what looks solid is really not.

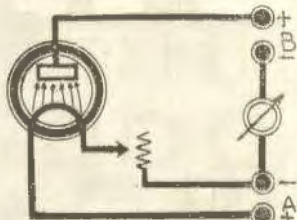
Now some of these electrons never venture far away from the core or proton, some, again, on the other hand, wander away altogether and may be shot through space at a marvellous velocity. Now, these electrons may be disturbed. A piece of copper wire, like all other substances, is comprised of atoms. When an electric current is applied to the copper wire great disturbances take place. We say that the current flows along the wire. Actually the electrons get quite excited and bump into the chap next to him, who in turn bumps into the next fellow, disturbing

everything. This process carries on right along the length of the wire and is known as the flow of current.

Suppose now we branch off on a different tack. Let us go back to the valve. The forerunner of the wireless valve to-day was the ordinary household electric bulb or lamp which was originally produced by that great American inventor, Edison. In the course of his experimenting with the electric bulb which we have to-day he noticed that after burning for a while a deposit of dark substance was registered on the glass of the vacuum bulb. Being of an introspective turn of mind, he set about investigating this phenomena, and as a result he placed a metal cylinder or plate or anode around the filament. He then found that this black deposit represented what we to-day know as electrons and, unfortunately, didn't investigate any further. It was left to Fleming to find the value of these electrons, and this he did.

In the course of his research he found that these electrons were produced by means of heating the tungsten filament and he discovered their property—that is, they were particles of what we know as negative electricity. Many and varied were the experiments he conducted, and as a result, found that electric current flowed from negative to positive, not from positive to negative, which heretofore was the accepted version. This he explained by the fact that positive ions attracted negative ions, a positively charged atom being a positive ion, and a negatively charged atom being a negative ion.

Now, if an atom is properly balanced, it will consist of equal values in the proton and the electrons. If a few electrons are attracted from an atom, this atom, having lost some of its negative value, will become positive in its charge. Again, on the other hand, if the atom is "supercharged" with electrons, it will be of more value as a negative quantity than a positive quality. Now, nature is wonderful in the respect that it has a tendency to equalise all things



*The Two Electrode Valve showing flow of electrons through valve, and Ammeter in circuit.*



in value, so that if one atom is of a positive value, another atom must correspondingly have a negative charge. In the equalising law it appears that there is a tendency to balance all matter so that it was found that if a positively charged atom, was in proximity to a negatively charged atom, the positive charged atom attracted the excess negative electrons from the negatively charged atom, thus equalising matters. To prove this, Fleming set about research.

He placed inside the glass bulb a sheath or plate which encircled the filament, and he applied a positive to this plate. This positive charge was found extremely interesting.

It was found that when the filament of a lamp was heated to incandescence the free electrons were shot or into space in ratio with the heat of the filament. The hotter the filament up to a certain point the more the free electrons wandered away. By applying a positive charge to the plate, it was discovered that these free electrons were attracted to the positive charge on the plate, thus causing a current to flow. This current was measurable on a very sensitive instrument known as a galvanometer, and this is shown on the drawing produced. The greater the heat, also the greater the positive charge on the plate, the greater was the flow of electrons from the filament to the plate. Thus the two electrode valve was produced, and using this valve in the standard circuit known at the day, quite good results were obtained.

From this many deductions were made. It was known that as the current flowed only in one direction, a valve action was produced. If a negative charge was impressed on the plate no current flowed, proving that a positive charge was necessary to attract the current flow, thus showing that current flowed from negative to positive. This applies not only to valves, but to all electrical circuits. Thus we have the ordinary spark or induction coil with what is known as a spark gap. If two leads are taken from the beginning and end of the secondary winding of an induction coil and these leads are connected to two points close to each other. If when the secondary winding is charged inductively we have a flow of electric current between each point or ball. This flow is purely the balancing of the atoms, the electrons or negative particles of electricity, being attracted to the excessively positive charged matter, thus evening up the balance of things. We can see the current passing by means of a spark which is produced by the burning of oxygen and dust in the air between the two points. We will leave this subject now for this week. Next week we will proceed further and get an understanding of the three electrode valve so well known to-day in radio circles.

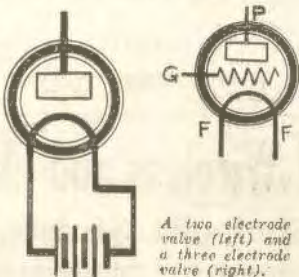
## Do the Majority of Listeners want Dance Music?

NOW that the "A" Class Stations in Sydney have altered their sessions by closing down at 11.0 o'clock each night, with the exception of a late night on Saturday, there is less dance music in the air, with the result that listeners are clamouring for dance programmes. They claim dance music after 10 o'clock is of little value to them, and they ask for it earlier in the evening. Broadcasting stations are dubious of carrying this out to any extent. It has to be remembered that the majority of listeners possess crystal sets, and are unable to work loud speakers, and a preponderance of dance music during the earlier part of the evening is not likely to be well received by head 'phone listeners. On occasions, however, when the evening is given up to a State-wide dance night, those listeners who do not care for dance music, realising the importance of the occasion, do not object to it. Such an evening is arranged for Tuesday, May 17, when special dance programmes have been arranged. Mr. C. C. Faulkner, of the Radio Bureau Broadcast, at the request of the Girls' Realm, and in aid of Girl's Realm Week, which commences on Monday, May 16, has approached the various Stations and made arrangements for continuous dance music. 2FC advise they are starting at 8 o'clock, the famous 2FC Dance Band of ten members, including Len Maurice, whose vocal choruses with the band are so much appreciated. The band will play right through till 11.0 o'clock, giving groups of ten minutes each. During the intervals between dances, there will be time found to introduce studio items, but on that night dance lovers will have a feast of music.

Several of the leading papers took a plebiscite last year, with the result that band and dance music were very high in the list, and shared that place with church services. Sporting results occupied a very modest place lower down on the list, side by side with classical music.

Now we are told sporting men do not worry to write about these things, and for the same reason lovers of classical music are very reticent in expressing their views, whereas, the lover of jazz or popular music is insistent in his claims, and would be quite happy to have dance programmes of this nature to the exclusion of everything else. It is very hard to know exactly what is the feeling of the masses. The columns of this paper are open to a discussion on the matter. Can we not sting into action those listeners who detest noisy music, and who, in the privacy of their own homes, and to their friends, continually remark on the preponderance of popular items in broadcasting programmes? Cannot they be induced to write to the Stations? Listeners' letters are the only tangible evidence of their wishes, and when 2FC, after the description of the arrival of the Duke of York, received nearly 3,000 letters within ten days, they knew they had pleased the great majority. If 3,000 unanimous letters are received on one subject only, it is surely proof that general satisfaction is felt everywhere, but if in one week's correspondence, not more than two or three complaints are voiced against a broadcasting programme, is not the Station at liberty to believe it meets with the approval of the majority?

A FEW DAYS AGO Mr. Lyons, resident magistrate of Samarai, visited 4QG and was loud in his praise of the station. In the course of his remarks he stated that 4QG is the most popular broadcasting station with the people of the Pacific Islands. He specially mentioned the broadcasting of copra quotations, which information is of vital importance to the copra growers, not only at Samarai, but throughout the Pacific Islands. 4QG aims at developing the utility side of radio to a high standard, and though the station is chiefly concerned with providing these facilities for Queensland listeners, as an act of grace, requests made by copra growers, as indicated above, have been acceded to.

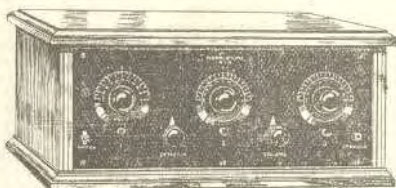


A two electrode valve (left) and a three electrode valve (right).

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Easy to  
Build



Easy to  
Use

Illustration of a completed "Wondertone" H.C. IV. Receiver.

	Complete Parts ready to build:	Assembled, Wired and Tested ready for use.
"Wondertone" H.C. IV., parts ready to assemble, with 60 Ampere Hour Accumulator .....	£19 17 6	£21 17 6
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Loud Speakers, suitable for above from 23/6 to £6/10/-.

The Components include everything necessary for a complete Receiver, such as Polished Maple Cabinet, Bakelite Panel, drilled and engraved, heavy duty "B" Battery, Accumulator or Dry "A" Battery, "C" Battery, "B" Battery, Voltmeter, Hydrometer (for Accumulator), Headphones, Battery Connecting Cable and Aerial Equipment, Blue Print Diagram and Building Instructions.

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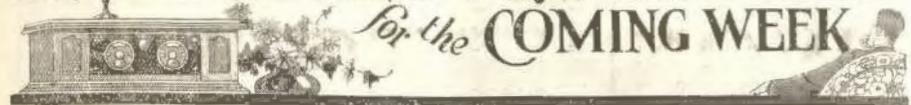
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# BROADCASTING PROGRAMMES



## Friday, May 13

### 2FC, SYDNEY

Farmer's Broadcasting Service.

Wave Length, 442 Metres.

#### MIDDAY SESSION.

- 12 noon.—"Big Ben" and announcements.  
 12.5 p.m.—Stock Exchange, first call.  
 12.8 p.m.—Official weather forecast, rainfall, messages, astronomical memoranda, shipping intelligence, mail services.  
 12.15 p.m.—Studio music.  
 12.25 p.m.—Summary of "Sydney Morning Herald" news service and cables.  
 12.35 p.m.—Rugby wireless news.  
 12.45 p.m.—Studio music.  
 12.55 p.m.—Miss Ida Johnstone, soprano.  
 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.—Studio music.  
 1.28 p.m.—Stock Exchange, second call.  
 1.30 p.m.—Marching music for school children.  
 1.40 p.m.—Studio music.  
 1.45 p.m.—Miss Ida Johnstone, soprano.  
 1.50 p.m.—Studio music.  
 2 p.m.—"Big Ben." Close down.

#### AFTERNOON SESSION

- 3 p.m.—"Big Ben" and announcements.  
 3.3 p.m.—Mr. Michael Brian, baritone: "My Dreams" (Toyt).  
 3.7 p.m.—The Neapolitan Duo: Mr. Len Gibson, mandolin, and Mr. Charles Backstrom, steel guitar:  
 (a) Duet, "Mignonette" (Nielche).  
 (b) Mandolin solo, "Serenade" (Schubert).  
 3.13 p.m.—Studio music.  
 3.25 p.m.—Mr. Michael Brian, baritone: "Ditty" (McGill).  
 3.30 p.m.—Marching music for school children.  
 3.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Muriel Humphries, contralto: "Come Close to Me" (Carnel).  
 3.45 p.m.—A talk on Home Cooking and Recipes by Miss Ruth Hurst.  
 4 p.m.—FROM FARMER'S TEA ROOMS: Miss Florence Grant, soprano: "The Moonlit Road" (Squire).  
 4.5 p.m.—The Neapolitan Duo: Mr. Len Gibson, mandolin, and Mr. Charles Backstrom, steel guitar:  
 (a) Duet, "Im Rosenheim" (Huber).  
 (b) Steel guitar solo.  
 4.15 p.m.—Studio music.  
 4.20 p.m.—FROM FARMER'S TEA ROOMS: Miss Muriel Humphries, contralto: "The Sweetest Flower that Grows" (Hawley).  
 4.25 p.m.—Studio music.  
 4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Florence Grant, soprano: "Home of Mine" (Maximilian Murdock).  
 4.45 p.m.—Stock Exchange, third call.  
 4.47 p.m.—Studio music.  
 5 p.m.—"Big Ben." Close down.

#### EARLY EVENING SESSION.

- 5.45 p.m.—The Chimes of 2FC.  
 5.50 p.m.—"The Hello Man" talks to the children.

- 5.30 p.m.—A serial story, "Davie's Big Brother."  
 5.40 p.m.—Dinner music.  
 5 p.m.—"Big Ben." Last minute sporting information by the 2FC Racing Commissioner.  
 5.10 p.m.—Dulgey's Market Reports (wheat, wheat and stock).  
 5.15 p.m.—Fruit and Vegetable Markets.  
 5.20 p.m.—Weather and Shipping Intelligence. Stock Exchange.  
 5.28 p.m.—Late "Evening News" news service.

#### NIGHT SESSION.

- 7.45 p.m.—Programme announcements.  
 7.50 p.m.—Studio music.  
 8 p.m.—Mr. Francis Hall, bass.  
 8.4 p.m.—Mr. Clyde Thorpe, violinist: "Spanish Dance" (Rehfeld).  
 8.9 p.m.—Miss Peggy Dunbar, contralto: "Supple Ode" (Brahms).  
 8.13 p.m.—Mr. Graham Kent will commence a series of Friday night Bridge Talks.  
 8.28 p.m.—Mr. Francis Hall, bass.  
 8.35 p.m.—Mr. Clyde Thorpe, violinist: "Meditation Theme" (Massenet).  
 8.39 p.m.—Miss Peggy Dunbar, contralto: (a) "Four by the Clock" (Mallinson). (b) "Ye Banks and Braes" (Burns).  
 8.46 p.m.—Mr. George Searle, comedian.  
 8.53 p.m.—Mr. Michael Brian, baritone: (a) "Gerard's Monologue" from "Andra Chener" (Giordano). (b) "The Birth of Morn" (Leon).  
 9 p.m.—Mr. Clyde Thorpe, violinist: "Perpetuum Mobile" (Saverio).  
 9.8 p.m.—Miss Peggy Dunbar, contralto: "Songs my Mother Sang" (Grimsshaw).  
 9.4 p.m.—Mr. George Searle, comedian.  
 9.14 p.m.—Mr. Francis Hall, bass.  
 9.17 p.m.—FROM THE THEATRE ROYAL, SYDNEY: The Second Act of the new Comic Opera 1 by permission of J. C. Williamson, Ltd.).

#### "FRASQUITA"

- featuring Marie Burke and Herbert Brown. MUSICAL NUMBERS: ACT TWO: Scene: "The Night Cabaret."  
 "El Tango," Sylvia Miller, Alex. Dolloff. "The Return of the Legion," Marie Burke, Chorus, Gentlemen and Skillet.

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

- 2FC.—Farmer's Broadcasting Station, Ltd., Sydney, wavelength 442 metres, power 5000 watts.  
 2BL.—Broadcasters' Ltd., Sydney, wavelength 353 metres, power 5000 watts.  
 2GB.—Theophanous Broadcasting Station, Ltd., Sydney, wavelength 316 metres, power 500 watts.  
 2KY.—Trades and Labor Council, Sydney, wavelength 250 metres, power 1500 watts.  
 2UW.—Otto Sandel, Sydney, wavelength 267 metres, power 500 watts.  
 2MK.—Meekler Bros., Bathurst, wavelength 275 metres, power 250 watts.  
 2UE.—Electrical Utilities Supply Co., Sydney, wavelength 293 metres, power 250 watts.  
 2BE.—Burgin Electric Co., Sydney, wavelength 316 metres, 100 watts.  
 2HD.—H. A. Donzias, Newcastle, wavelength 288 metres, 100 watts.

- "Come Closer," R. Barrett-Lennard, Marie Eaton and Gloria.  
 Dance, Pas De Deux, Thurax Rogers and Robert Lauchlin.  
 "The Love Spell," Marie Burke, Herbert Brown.  
 "I'm so Popular," R. Barrett-Lennard, Thelma Barnes and Girls.  
 "Farewell, My Love, Farewell," Marie Burke, "Hush, Dear! Hush, Dear!" Marie Burke, Herbert Brown.  
 Finale, Marie Burke, Herbert Brown, Apollo.  
 10.25 p.m.—FROM THE STUDIO: Mr. Harrison White, banjo solo.  
 10.30 p.m.—Mr. George Searle, Comedian.  
 10.35 p.m.—FROM THE WENTWORTH CAPE.—The New Wentworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Leighton.  
 10.42 p.m.—FROM THE STUDIO: Mr. Harrison White, banjo solo.  
 10.50 p.m.—Late news and announcements.  
 10.55 p.m.—The Wentworth Symphonic Dance Orchestra in popular numbers.  
 11 p.m.—"Big Ben." National Anthem.  
 Close down.

## 2BL, SYDNEY

Broadcaster's Ltd.

Wave Length, 353 Metres.

Friday.

#### DAY SESSION.

- 12 noon.—G.P.O. Clock and Chimes.  
 12.1 p.m.—Special Ocean Forecast and Weather Report.  
 12.3 p.m.—Information—Mail and Shipping and Movements of Important Ships.  
 12.4 p.m.—Sydney Stock Exchange Calls.  
 12.8 p.m.—Boats in call by wireless.  
 12.10 p.m.—Musical programme from the Studio.  
 12.20 p.m.—Fruit Market Report.  
 12.21 p.m.—Vegetable Market Report.  
 12.22 p.m.—London Metal Market Report.  
 12.24 p.m.—Dairy and Farm Produce Market Report.  
 12.27 p.m.—Racing Resume.  
 12.30 p.m.—G.P.O. Clock and Chimes.  
 12.31 p.m.—Musical programme from Studio.  
 12.40 p.m.—Sporting Information ("Sun").  
 12.45 p.m.—Hillers Instrumental Quartet: direction, Carl Castling.  
 1.30 p.m.—G.P.O. Clock and Chimes.  
 1.31 p.m.—News from the "Sun."  
 1.40 p.m.—Hillers Instrumental programme from the Studio.  
 1.50 p.m.—News from the "Sun."  
 2 p.m.—G.P.O. Clock and Chimes.  
 2.05 p.m.—MUSIC FROM WIGN BROADCAST IN MEDIATION AFTER EACH RACE BY COURTESY OF THE "SUN."  
 2.1 p.m.—Talk to Children and special entertainment for Children in Hospital.  
 2.15 p.m.—Musical programme from the Studio.  
 2.20 p.m.—WOMEN'S SESSION (conducted by Mrs. Jordan).  
 Talk on "Hockey" by Mrs. G. Varley, Broadcasters' Women's Sports Authority.  
 Social Notes.—Replies to correspondents.  
 Talk on "Feeding the Family" by Mrs. Jordan.  
 3 p.m.—G.P.O. Clock and Chimes.

- 8.1 p.m.—Musical programme from the Studio.
- 8.15 p.m.—Civil Service Stores Trio direction, Miss De Courcy, Bremer.
- 8.30 p.m.—G.P.O. Clock and Chimes.
- 8.31 p.m.—Talk on "The Grand Opera," Illustrated by H.M.V. Records.
- 8.50 p.m.—News from the "Sun."
- 9 p.m.—G.P.O. Clock and Chimes.
- 9.1 p.m.—Civil Service Stores Trio.
- 9.15 p.m.—Serial Story.
- 9.30 p.m.—G.P.O. Clock and Chimes.
- 9.31 p.m.—Musical programme from the Studio.
- 9.41 p.m.—News from the "Sun."
- 9.45 p.m.—Racing Results.
- 9.52 p.m.—Producers' Distributing Society's Fruit and Vegetable Market Report.
- 9.54 p.m.—Resume of night's programme.
- 9.56 p.m.—Announcements.
- 9.58 p.m.—Special Ocean Forecast.
- 6 p.m.—G.P.O. Clock and Chimes; close down.

EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. Clock and Chimes.
- 6.45 p.m.—"Daddy Longlegs" will entertain the Kiddies.
- 6.49 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. Clock and Chimes.
- Australian Mercantile Land and Finance Co.'s Report.
- Weather Report and Forecast by courtesy of Govt. Met.
- Producers' Distributing Society's Fruit and Vegetable Market Report.
- Stock Exchange Reports.
- Grain and Fodder Report ("Sun").
- Dairy Produce Report ("Sun").
- 7.15 p.m.—Country News from the "Sun."
- 7.49 p.m.—Talk on "Gardening Science" by Mr. Cooper, Park Superintendent, City Council.
- 8 p.m.—G.P.O. Clock and Chimes.
- Broadcasters' Topical Chorus.
- 8.3 p.m.—Mr. Raymond Beatty (bass).
- 8.34 p.m.—Miss Millie Hughes (soprano).
- 8.37 p.m.—Mr. Ted Stanley (comedian).
- 8.40 p.m.—Mr. Fraser Coo (baritone).
- 8.51 p.m.—Messrs. Stan Hudson and Alf J. Lawrence.
- 8.51 p.m.—Duet, Miss Millie Hughes and Mr. Raymond Beatty.
- 8.55 p.m.—Resume of following day's programme.
- Weather Report and Forecast by courtesy of Mr. C. J. Hayes, Govt. Meteorologist.
- 9 p.m.—G.P.O. Clock and Chimes.
- 9.1 p.m.—Broadcasters' Trio.
- 9.11 p.m.—The Sporting Editor of the "Sun" will talk on the prospects of Saturday's Racing.
- 9.31 p.m.—Mr. Fraser Coo.
- 9.38 p.m.—Lenore Graham and Syd. Kingsley in Comedy with Harmony.
- 9.53 p.m.—Miss Millie Hughes.
- 10 p.m.—G.P.O. Clock and Chimes.
- 10.1 p.m.—Mr. Ted Stanley (tenor).
- 10.2 p.m.—Broadcasters' Trio.
- 10.15 p.m.—Mr. Raymond Beatty.
- 10.25 p.m.—News Reports by courtesy of the "Sun Newspaper."
- 10.40 p.m.—Mr. Ted Stanley.
- 10.47 p.m.—News reports.
- 10.48 p.m.—Broadcasters' Trio.
- 10.55 p.m.—Mr. Ivan Marshall.
- 11 p.m.—G.P.O. Clock and Chimes.

2GB, SYDNEY

Theosophical Broadcasting Service. Wave Length, 316 Metres.

Friday

- 8 a.m.—Music.
- 8.5 a.m.—Chorus Talk.
- 9.35 a.m.—Music.
- 9.40 a.m.—Psychological Class.
- 9.45 p.m.—Music.
- 9.50 a.m.—Health and Diet.
- 10 a.m.—Close down.

AFTERNOON SESSION.

- 3.50 p.m.—Music.
- 3.57 p.m.—Talk.
- 3.58 p.m.—Music.
- 4.7 p.m.—Talk.
- 4.22 p.m.—Music.
- 4.40 p.m.—Close down.

EVENING SESSION.

- 6.30 p.m.—Children's Session.
- 7.00 p.m.—Music.
- 7.5 p.m.—Talk.
- 7.15 p.m.—Music.
- 7.30 p.m.—Topical Talk.
- 7.50 p.m.—Music.
- 7.45 p.m.—Talk to Men.
- 7.55 p.m.—Violin Solos by DAN SCULLY.
- 8.5 p.m.—Address by Professor Ernest Wood.
- 8.20 p.m.—Songs by Clement Hosking.

- 1. 2.
- \* 2.3 p.m.—Instrumental Quartette: DAN SCULLY, MONICA HORDER, MURIELLE LANG, ADA BROOK.
- 8.55 p.m.—Announcements.
- 9 p.m.—Topical Talk.
- 9.15 p.m.—Piano Solos by ADA BROOK.
- 9.25 p.m.—Songs by CLEMENT HOSKING.
- 1. 2.
- 9.33 p.m.—Instrumental Quartette: DAN SCULLY, MONICA HORDER, MURIELLE LANG, ADA BROOK.
- 9.34 p.m.—Chorus Talk.
- 10 p.m.—Close Down.

3LO MELBOURNE

Broadcasting Co. of Aust.

Wave Length, 371 Metres.

Friday.

MIDDAY SESSION.

- EDOUARD LAMBERT, Violin.
- MADAM LAMBERT, Soprano.
- FRANKLIN STONHAM.
- TASMA TIERNAN.
- PAUL DE RAYONNE, Tenor.
- 1.15 p.m.—STUDIO ORCHESTRA.
- Accompanist..... AGNES FORTUNE
- Announcer..... ALFRED ANDREW
- 12 noon.—Time Signal; British Official Wireless News from Rugby; Reuter's and the

- Australian Press Association Cables, "Argus" and "Herald" News Service.
- 12.20 p.m.—EDOUARD LAMBERT, Violin.
- "Arie" (Goldmark).
- "Mazurka" (Zarytski).
- 12.30 p.m.—STUDIO ORCHESTRA.
- "Symphony No. 1," First Movement (Beethoven).
- 12.40 p.m.—Stock Exchange Information.
- 12.50 p.m.—MADAM LAMBERT, Soprano.
- "Notre Doux Aïe" (Loche).
- "Serenade Inutile" (Debussy).
- 12.57 p.m.—Grand Duo for Clarinet and Cello, FRANKLIN STONHAM and TASMA TIERNAN.
- "Duo" (Beethoven).
- 1.1 p.m.—PAUL DE RAYONNE, Tenor.
- Comptail, Funicail (Debussy).
- 1.14 p.m.—Meteorological Information.
- 1.20 p.m.—MADAME LAMBERT, Soprano.
- "Faire" (Arensky).
- 1.27 p.m.—EDOUARD LAMBERT, Violin.
- "Sonata No. 5" (Beethoven).
- 1.37 p.m.—STUDIO ORCHESTRA.
- "Pianoforte Quartette" (Beechoven).
- 1.45 p.m.—PAUL DE RAYONNE, Tenor.
- "My Dreams" (Faet).
- "The Star" (Rogers).
- 1.52 p.m.—STUDIO ORCHESTRA.
- "Symphony Movement" (Beethoven).
- 2.0 p.m.—Close Down.

AFTERNOON SESSION.

THE STUDIO ORCHESTRA.

- Speakers:
- "AU FAIT," MRS. M. CALLAWAY MAROOD
- BESSIE GAUNSON, Violin.
- ESTELLE MARK TRIO.
- EUGENIE DUGGAN, Executionist.
- NIBLO AND DORIS.
- Accompanist..... AGNES FORTUNE
- Announcer..... ALFRED ANDREW
- 1.15 p.m.—FASHION AND ART.
- 6.0 p.m.—STUDIO ORCHESTRA.
- Overture, "Titus" (Mozart).
- 6.10 p.m.—"AU FAIT."
- "Fashion Talk."
- 6.25 p.m.—BESSIE GAUNSON, Violin.
- "Chanson de lais XIII."
- "Pavane" (Courcier-Kreidler).
- 7.32 p.m.—ESTELLE MARK TRIO.
- Song, "As I Went a'Roving" (May Brahe)
- Piano, "Le Petit Prince" (Sheridan)
- Song, "Crown Land."
- Violin, "Torch Dance" (Ed. German).
- 6.47 p.m.—STUDIO ORCHESTRA.
- "Selection," "Merry England" (German).
- EUGENIE DUGGAN, Executionist.
- "Which Shall It Be."
- "The Gambler's Wife."
- 6.5 p.m.—STUDIO ORCHESTRA.
- "Othello Suite" (Col. Taylor).
- \* 6.17 p.m.—NIBLO AND DORIS.
- "Comedy Recitation."
- "Comedy Song."
- "Everything Ho Kead Her."
- 6.45 p.m.—STUDIO ORCHESTRA.
- "No. No. Nanette" (Yosmano).
- 6.46 p.m.—MRS. M. CALLAWAY MAROOD.
- "Art in Modern Life."
- 6.45 p.m.—"Herald" News Service; Stock Exchange Information; Results of Public Schools Tennis.
- 6.0 p.m.—Close Down.

EVENING SESSION.

- Accompanist..... ELSIE BRADSHAW
- 6.40 p.m.—CHILDREN'S HOUR. Answers to letters and children's greetings.
- 6.55 p.m.—BEATRICE REARD, A.L.C.M., Executionist.
- "The Jackdaw of Rhelms."
- "Lost."
- 6.2 p.m.—"BILLY BUNNY."
- "Story for the Little One."
- 6.12 p.m.—HAROLD COLLIER, Mouchogean Selections.
- 6.20 p.m.—"BILLY BUNNY."
- "Partnership With the Bee."
- 6.35 p.m.—"Herald" and "Argus" News Service; Weather Synopsis; Shipping Movements.
- 6.47 p.m.—Stock Exchange Information.
- 6.52 p.m.—Fish Market Reports, by J. R. Berrett, Ltd.
- 6.56 p.m.—River Reports.
- 6.58 p.m.—Market Reports of Fruit, by the Victorian Fruitgrower's Association, compiled by "The Fruit World," exclusive to 3LO.

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

- 3LO.—Broadcasting Company of Australia, Ltd., Melbourne, wavelength 371 metres, power 5000 watts.
- 104.—Queensland Radio Service, Brisbane, wavelength 355 metres, power 8000 watts.
- 5CL.—Central Broadcasters' Ltd., Adelaide, wavelength 395 metres, power 5000 watts.
- 4WE.—Western Farmers, Ltd., Perth, wavelength 1280 metres, power 8000 watts.
- 72L.—Tasmanian Broadcasters, Ltd., Hobart, wavelength 535 metres, 3000 watts.
- 3AN.—Associated Radio Co., Ltd., Melbourne, wavelength 484 metres, power 1800 watts.
- 3DE.—Danleigh Business and Technical College, Melbourne, wavelength 255 metres, power 500 watts.
- 3UZ.—O. J. Nilson & Co., Melbourne, wavelength 313 metres, power 100 watts.
- 4GR.—Gold Radio Electric Service, Tasmania, Queensland, wavelength 294 metres, power 150 watts.
- 5KA.—Spencer Radio Broadcasting Station, Adelaide, wavelength 250 metres, power 1000 watts.
- 4DN.—4DN Pty., Ltd., Adelaide, wavelength 313 metres, 500 watts.



# RADIO

IN AUSTRALIA  
& NEW ZEALAND.  
*Incorporating Sea, Land and Air.*

## REORGANISED

TO APPEAR AS A MONTHLY

Next Issue Next Week

- ¶ Watch the bookstalls and newsagents for the striking cover design of the new "Radio" to appear as a monthly early in May.
- ¶ It will contain 80 pages (exactly twice the size of the present issue) of interesting and informative articles for radio enthusiasts of all classes, from the beginner to the amateur experimenter.
- ¶ Among the features will be a long article by SENATORE GUGLIELMO MARCONI, written specially for "Radio." It will be the first article by the world famous scientist to be published in Australia, and will describe the early experiments which led to the perfection of the beam system of transmission.
- ¶ For the broadcast listener J. G. Reed, assistant chief engineer of Amalgamated Wireless, will give the constructional details of a new ultra-selective, soft-toned, distance-getting receiver, the result of a year's experimenting. Attached to the set is a battery eliminator enabling the whole of the power to be drawn from the electric light mains.
- ¶ C. D. MacLurcan writes for the amateurs whose interests are dealt with in a large Amateur section. An article describing the construction and installation of a small low power, short wave transmitter and receiver will also be published.
- ¶ A dozen other articles dealing with all phases of radio broadcast activity are under preparation.

### ORDER YOUR COPY TO-DAY

At All Newsagents

1/-

NIGHT SESSION.

Speakers:  
**MR. H. W. DAVEY, DR. BROOKE NICHOLLS, MR. H. K. LOVE, 'CARDIGAN,' MR. G. J. WILLIAMS.**  
**THE STUDIO ORCHESTRA.**  
**G'OMARA AND BERKE.**  
**SISCA NAVARETTI, Soprano.**  
**EUGENE DUGGAN, Elocutionist.**  
**'THE FUTURISTS.'**  
**BYD BECK, Comedian.**  
**STATION TRIO.**  
**THE COLLINGWOOD CITIZENS' BAND.**  
**THE IRELAND AMBASSADORS.**  
**MISS LEE WHITE and MR. CLAY SMITH.**  
**JOE ARONSON and HIS SYNOPATING SYMPHONISTS.**

Accompanist: **AGNES FORTUNE**  
 Announcer: **MATRICE DUDLEY**  
**7.10 p.m.**—Under the Auspices of the Department of Agriculture, Mr. H. W. DAVEY, San of Orchard Supervisor, on "Feeding Orchard Soil."  
**8.30 p.m.**—**G'OMARA AND BERKE.**  
 "Icelandic" (Sullivan).  
**9.15 p.m.**—**G'OMARA AND BERKE.** Entertainers from the Emerald Isle.  
**ANNA BURKE.** "The Tender Apple Blossom" (Traditional).  
**CHAS. O'MARA** will entertain you.  
**STUDIO ORCHESTRA.**  
 "Irish Air."  
**CHAS. O'MARA, Baritone.**  
 "Norah Curran" (Stanford).  
**9.52 p.m.**—**STUDIO ORCHESTRA.**  
 "La Toca" (Puccini).  
**9.59 p.m.**—**DR. BROOKE NICHOLLS.**  
 "Homeward Bound."  
**10.15 p.m.**—**COLLINGWOOD CITIZENS' BAND.**  
 March, "The Voice of the Ginn," Overture, "The Southern Cross."  
**10.35 p.m.**—**SISCA NAVARETTI** Soprano, solo, "Face Me This" (Verdi).  
**10.50 p.m.**—**STATION TRIO,** Clarinet, "Cello and Piano."  
 "Trio in A" (Brahms).  
**11.00 p.m.**—**EUGENE DUGGAN, Elocutionist.**  
 "Whispering in the Wattle Bush" (Gordon).  
 "The Angel's Whisper" (Samuel Lover).  
**11.05 p.m.**—**COLLINGWOOD CITIZENS' BAND.**  
 "An Evening Song."  
**11.20 p.m.**—**MR. H. K. LOVE,**  
 "Technical Talk."  
**11.35 p.m.**—**JOE BRENNAN, Assisted by IDA NEWTON.**  
 Sketch, "Police Station."  
 "Cherio."  
 "Girl on the Stairs."  
**11.50 p.m.**—**STUDIO ORCHESTRA.**  
 Selection, "Fading Show" (Finck).  
**12.10 p.m.**—**MISS LEE WHITE and MR. CLAY SMITH** will entertain you with songs from their repertoire.  
**12.30 p.m.**—**MR. G. J. WILLIAMS** will speak on "To-morrow's Wrestling."  
**12.45 p.m.**—**COLLINGWOOD CITIZENS' BAND.**  
 Coronet Solo, "Because" Schmitt. F. Craxley.  
**12.55 p.m.**—**'THE FUTURISTS'** present their Radio Revue.  
 "Odd Numbers."  
 "The Company" (a) How Do It, you will.  
**DISMAL DESMOND and CYRIL NORTH-COTE** try to take a rise out of GUS DAWSON.  
**IRA VANDA** will sing "Little Things" A Domestic Sketchette.  
 "THE COOK."  
 The Husband and the Cook—**GUS DAWSON**  
 The Cook and the Husband—**IRA VANDA**  
 The Friend and the Cook—**CYRIL NORTH-COTE**  
**IRA VANDA** tries to get GUS DAWSON that "Nobody Ever Knew Her."  
**DISMAL DESMOND and CYRIL NORTH-COTE** in a few moments of comedy.  
 Finale by the Company—Kentucky Sure as You're Born.

**10.15 p.m.**—**SISCA NAVARETTI, Soprano.**  
 "The Girl and the Ninja" (Pergolesi).  
 "The Star" (Rogers).  
**10.45 p.m.**—"Arzoo" News Service. British Official Wireless News from Russia.  
 Meteorological Information.  
**11.0 p.m.**—**OUR GREAT THOUGHT.**  
 "Without content, we shall find it almost as difficult to please others as ourselves."  
**11.15 p.m.**—**JOE ARONSON and HIS SYNOPATING SYMPHONISTR.**  
 "Just One More Kiss" (Dwens).  
 "Just a Bird's Eye View" (Donaldson).  
 "The Kiss of Coffee, A Sanderling, and You" (Grove).  
 "Somebody's Lonely" (Davis).  
 "Baby Face" (Akou).  
 "Ting-A-Lings—Walkin' of The Bella" (Britt).  
 "Mary Lou" (Lisman).  
 "The More We Are Together" (Campbell).  
 "Rottenfedy" Piano Solo (Barz).  
 "Let's Henry Ford" (Leite).  
 "H. C. to Mr. Way Home" (Berlin).  
 "The Original Black Bottom" (Henderson).  
 "Hello, Aloha" (Barr).  
 "Hello, Little Girl of My Dreams" (Borz).  
 "Smoky" (Miller).  
 "By the Sign of a Rose" (Field).  
**11.40 p.m.**—**GOD SAVE THE KING.**

**415 p.m.**—From the Studio: News Service applied by "The Telegraph."  
**4.30 p.m.**—Close Down.

EARLY EVENING SESSION.

**5.30 p.m.**—"Daily Standard" News; Weather Information; Announcements.  
**6.30 p.m.**—Bedtime Stories, by "The Band-man."  
**7.0 p.m.**—Market Reports; Stock Reports.  
**7.20 p.m.**—Weather News; Announcements.  
**7.45 p.m.**—Standard Time Signal.

NIGHT SESSION.

**W.E.A. MUSIC CLASS.**  
 The Workers' Educational Association's Tutorial Classes in Music are being held this season in the Recreational Hall at 4QG, 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 4QG is to broaden both the lectures and the music, and so make available to a large number 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 8.00 p.m.  
 The tutor, Mr. Sampson, will lecture during the first portion of each evening, and chamber music will be played after each lecture.  
**7.45 p.m.**—From the Reception Hall: W.E.A. Music Class.  
**8.0 p.m.**—Week-end road information for Motorists, officially supplied by the Royal Automobile Club of Queensland.

4QG, BRISBANE

Queensland Radio Service

Wave Length, 385 Metres.

Friday.

MIDDAY SESSION.

**1.0 p.m.**—Market Reports; Weather Information; "The Daily Mail" and "The Daily Standard" News.  
**1.20 p.m.**—From Hotel Carlton: Lunch Hour Music, played by Hotel Carlton Symphony Orchestra.  
**1.55 p.m.**—From the Observatory: Standard Time Signal.  
**2.0 p.m.**—Close Down.

AFTERNOON SESSION.

**3.30 p.m.**—From Hotel Carlton: Afternoon "Tea" Music, played by Hotel Carlton Symphony Orchestra.

5CL, ADELAIDE

Central Broadcasters, Ltd.

Wave Length, 395 Metres.

Friday

MORNING SESSION.

**12.00 p.m.**—G.P.O. chimes.  
**12.15 p.m.**—Recitals on the New Reproducing Gramophone and the Autonee Reproductor.  
**12.30 p.m.**—Advertiser's news service.  
**12.50 p.m.**—Market reports.  
**1.0 p.m.**—G.P.O. chimes  
**1.15 p.m.**—Musical programme continued  
**2.0 p.m.**—G.P.O. chimes and close down.

AFTERNOON SESSION.

**3.0 p.m.**—G.P.O. chimes.  
**3.15 p.m.**—From the Maple Leaf Cafe—Orchestral selections.  
**3.45 p.m.**—From the Studio—Musical items.  
**4.0 p.m.**—G.P.O. chimes  
**4.15 p.m.**—From the Aradisa Cafe—Orchestral selections.  
**4.55 p.m.**—Station announcements.  
**5.0 p.m.**—G.P.O. chimes and close down.

EVENING SESSION.

**6.0 p.m.**—G.P.O. chimes.  
**6.15 p.m.**—Dinner music by the Covent Garden Orchestra.  
**7.45 p.m.**—Bedtime stories.  
**7.50 p.m.**—Market reports.  
**8.00 p.m.**—Sporting talk by "Metropolitan."  
**8.10 p.m.**—G.P.O. chimes.  
**8.15 p.m.**—Malcolm Reid's Orchestra  
**8.15 p.m.**—Tenor solo, Mr. R. Sims.  
**8.15 p.m.**—Malcolm Reid's Orchestra.  
**8.25 p.m.**—Soprano solo, Miss Joy Watson.  
**8.35 p.m.**—Malcolm Reid's Orchestra.

**NEW ZEALAND STATIONS:**

**1YA, Auckland, The Radio Broadcasting Co. of New Zealand, Ltd.**  
 Power 500 Watts; Wave-length, 420 Metres. Silent Night, Monday.

**2YK, Wellington, The Radio Broadcasting Co. of New Zealand, Ltd.**  
 Power 120 Watts; Wave-length, 295 Metres.

**3YA, Christchurch, The Radio Broadcasting Co. of New Zealand, Ltd.**  
 Power 500 Watts; Wave-length, 400 Metres. Silent Night, Thursday.

**4YA, Dunedin, The Radio Broadcasting Co. of New Zealand, Ltd.**  
 Power 750 Watts; Wave-length, 380 Metres.

**2YM, The Gisborne Radio Co., Gisborne.**  
 Power 500 Watts; Wave-length, 260 Metres.



**DESIGN AND CONSTRUCTION**

The design and placing of the three fundamental elements in the Redtop valves are perfectly symmetrical, thereby allowing no opportunity for escape of the electrical energy.

The construction of the Redtop valve eliminates vibration. Anchored supports at both the top and the bottom are the reasons.

This construction makes Reception clearer, and it does away with valve noises and brings in purer tone quality.

All the interior elements are thoroughly anchored and welded together, which keeps the relative spacing of the parts uniform under all ordinary conditions of shipping and use, promoting reliability and uniformity.

Inspections during construction and on completion are thorough and rigid. This means every valve is inspected four times before it receives our seal of approval, which is the application of the Redtop coloring.

There is a Reason why **Redtops ARE Better**



Pay 12/6 for a Q.R.S. Super Detector, and double the efficiency of your set.

The Latest 12/6 A Better Valve 12/6

A Different Tube  
Double Plate Double Filament  
Double Grid Anchored Top & Bottom

**INSTRUCTIONS FOR USE.**

Filament or "A" battery is best of 6 volt storage type, especially if more than one valve is used, although 4 dry cells in series for one valve will ordinarily give 60 to 70 hours service before becoming exhausted.

A rheostat should be used of 25 to 40 ohms resistance when controlling one valve. For controlling more than one valve this resistance can be cut down proportionally, say, to 10 ohms.

In the detector circuit as this valve has a high vacuum, or is "hard," frequently best results will be obtained with plate or "B" voltage as high as 45. The most efficient voltage should be determined by trial of the particular set.

In the amplifier circuit 25 cells are found to be generally satisfactory, as greater amplification agrees with the higher voltage. Greater life of filament and usually purer tone are obtained by heating the filament at the lower temperature, giving satisfactory results. However, when a 6-volt battery is used, the filament will not be damaged at full voltage.

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PERTH—Queen Street.

ADELAIDE—Linde's Lane  
BRISBANE—King House, Queen Street

AUCKLAND, N.Z.—Smith's Building, Albert Street

8.45 p.m.—Baritone solo, Mr. L. Wicks.  
 8.48 p.m.—Malcolm Reid's Orchestra.  
 9 p.m.—G.P.O. chimes.  
 9.3 p.m.—Weather, Daiquet's wheat report.  
 9.4 p.m.—Contralto solo, Miss Gwen Collett.  
 9.7 p.m.—Celebrity Orchestra, specially arranged by Malcolm Reid.  
 9.25 p.m.—Mr. D. Laurie (Government Faculty Expert).  
 9.30 p.m.—From Studio—The Celebrity Orchestra.  
 9.35 p.m.—Contralto solo, Miss Gwen Collett.  
 9.45 p.m.—The Celebrity Orchestra.  
 9.51 p.m.—Baritone solo, Mr. L. J. Wicks.  
 9.54 p.m.—Soprano solo, Miss Joy Watson.  
 9.57 p.m.—Tenor solo, Mr. H. Sims.  
 10 p.m.—G.P.O. chimes.  
 10.1 p.m.—"Advertiser" news service.  
 10.15 p.m.—Celebrity Orchestra.  
 10.21 p.m.—Soprano solo, Miss Joy Watson.  
 10.24 p.m.—Baritone solo, Mr. L. J. Wicks.  
 10.27 p.m.—Celebrity Orchestra.  
 10.30 p.m.—Celebrity Orchestra.  
 10.35 p.m.—Education, Mr. Frank Part.  
 10.40 p.m.—Baritone solo, Mr. L. J. Wicks.  
 10.43 p.m.—Soprano solo, Miss Joy Watson.  
 10.46 p.m.—Celebrity Orchestra.  
 10.51 p.m.—Tenor solo, Mr. H. Sims.  
 10.54 p.m.—Celebrity Orchestra.  
 11 p.m.—G.P.O. chimes and close down.

## Saturday, May 14

### 2FC, SYDNEY

#### MIDDAY AND AFTERNOON SESSION.

12 noon—"Big Ben" and announcements.  
 12.15 p.m.—Studio music.  
 12.19 p.m.—Official weather forecast, rainfall, temperatures, astronomical observations, shipping intelligence, mail services.  
 12.25 p.m.—Summary of "Sydney Morning Herald" news service.  
 12.35 p.m.—Hurry wireless news.  
 12.49 p.m.—Studio music.  
 13.16 p.m.—A Talk on Gardening by Mr. G. J. Lockley ("Redum").  
 1 p.m.—"Big Ben" Weather intelligence.  
 1.3 p.m.—"Evening News" midday news service.  
 1.30 p.m.—Studio music.  
 NOTE: Rowing racing events will be described to the running direct from the Course. By the 2FC Racing Commission.  
 During racing intervals, musical items will be given from the Studio, including Mr. Tom Page's in piano synopsis.  
 Also the New Westworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Leighton, will be heard in popular numbers at intervals between 3 p.m. and 5 p.m.  
 4.30 p.m.—A complete running of the day's Sporting and Racing Events.  
 6 p.m.—"Big Ben." Close down.

#### EARLY EVENING SESSION.

6.45 p.m.—The Chimes of 2FC.  
 6.50 p.m.—The "Hello Man" talks to the children.  
 6.59 p.m.—A serial story, "David's Big Brother."  
 7.40 p.m.—Dinner music.  
 7 p.m.—"Big Ben." Late sporting information.  
 7.15 p.m.—Weather intelligence.  
 7.18 p.m.—"Evening News" late news service.  
 7.28 p.m.—Studio music.

#### NIGHT SESSION.

7.45 p.m.—Programme announcements.  
 7.59 p.m.—Studio music.  
 8 p.m.—"Big Ben." The 2FC Dance Band in popular numbers, with Mr. Len Maurice, baritone.  
 8.3 p.m.—Miss Eileen Boyd, contralto:  
 "The Temple Bells" (Ftand).  
 8.12 p.m.—Mr. Tom Rea, trombone solo.  
 8.15 p.m.—The 2FC Dance Band (conductor, Mr. Eric Pearce) and Mr. Len Maurice, popular baritone.

8.23 p.m.—Miss Kitty Poole, contralto.  
 8.28 p.m.—Mr. Montgomery Stuart and Miss Myra Leard in comedy sketches.  
 8.34 p.m.—The 2FC Dance Band.  
 8.42 p.m.—Miss Persia Rutter, soprano:  
 "A. M. M." (Ruchmanoff).  
 8.45 p.m.—Mr. Tom Rea, trombone solo.  
 8.50 p.m.—Miss Eileen Boyd, contralto:  
 "The Sands of Dee" (Clay).  
 8.54 p.m.—Mr. J. Lane's troupe of Hawaiian instrumentalists from the "Sierra."  
 8.6 p.m.—Mr. Frank Leonard, comedian.  
 8.8 p.m.—The 2FC Dance Band in popular numbers.  
 9.18 p.m.—Mr. Tom Rea, trombone solo.  
 9.29 p.m.—Miss Eileen Boyd, contralto:  
 "Violet" (Kneal).  
 9.24 p.m.—Miss Persia Rutter, soprano:  
 "High Ho! The Sunshiner" (Phillips).  
 9.28 p.m.—Instrumental items, with vocal effects, by Mr. J. Lane's Hawaiian Troupe.  
 9.35 p.m.—Miss Kitty Poole, contralto.  
 9.45 p.m.—The 2FC Dance Band, assisted by Mr. Len Maurice, popular baritone.  
 9.53 p.m.—Miss Eileen Boyd, contralto:  
 "Myrtle" (Miss E. Honey Curvass) (Ftand).  
 9.58 p.m.—Mr. Frank Leonard, comedian.  
 10 p.m.—"Big Ben." Mr. J. Lane and his Hawaiian Troupe from the "Sierra."  
 10.10 p.m.—Mr. Montgomery Stuart and Miss Myra Leard in comedy sketches.  
 10.24 p.m.—The 2FC Dance Band and Mr. Len Maurice in vocal effects.  
 10.30 p.m.—Mr. Frank Leonard, comedian.  
 10.38 p.m.—Mr. Montgomery Stuart, electrician.  
 10.48 p.m.—The 2FC Dance Band (conductor, Mr. Eric Pearce).  
 10.59 p.m.—Late news and sporting information. Announcements.  
 11.14 p.m.—The 2FC Dance Band and Mr. Len Maurice.  
 11 p.m.—"Big Ben." FROM THE WEST-WORTH CAFE, CHURCH HILL, SYDNEY: The New Westworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Leighton, will be heard until 11.45 p.m.  
 11.45 p.m.—National Anthem.

## 2BL, SYDNEY

#### Saturday.

12 noon.—G.P.O. Clock and Chimes.  
 12.1 p.m.—Special Ocean Forecast and Weather Report.  
 12.3 p.m.—Musical programme from the Studio.  
 12.9 noon.—News from the "Sun."  
 12.14 p.m.—WOMEN'S SERVICE (conducted by Mrs. Jordan).  
 Social Notes.  
 12.15 p.m.—G.P.O. announcements.  
 Talk on "Simple Cooking for Children" by Mrs. Jordan.  
 1.6 p.m.—Musical programme from the Studio.  
 1.15 p.m.—Talk on Sporting and Athletic Fixtures for the day: Lawn Tennis, Hockey, Tennis, Football, Sailing, Rowing.  
 During the afternoon sporting information will be broadcast by courtesy of the "Sun" Newspapers, interspersed with musical programmes from the Studio.

#### KFI (LOS ANGELES)—167 METRES.

Commenting at 3 p.m. and closing down at 7 p.m. Sydney Time.

May 9th: Packard Six Orchestra.

May 10th: Melchior Bess' Programme.

May 11th: Akiba Music Club.

May 12th: Sunset Instrumental Quartet.

May 13th: Pibrahmiks of Modern Classical Music.

May 14th: Packard Band Hour.

May 15th (commencing 6 p.m.): closing down at 8 p.m.): KFI Midship Frolic

—Melchior Bess' Dixieland Blue Blowers.

4.05 p.m.—Resumé of night's programme.  
 4 p.m.—O.P.O. Clock and Chimes.  
 5.1 p.m.—Rating Resumé.  
 5.3 p.m.—Close down.

#### EARLY EVENING SESSION.

7.45 p.m.—O.P.O. Clock and Chimes.  
 7.50 p.m.—Uncle George and the Kiddies.  
 Betina will talk to the Kiddies.  
 8.30 p.m.—Musical programme from the Studio.  
 7.15 p.m.—Results of all sporting information including Racing, Bowls, Tennis, Swimming, Athletics, by courtesy of the "Sun."  
 7.30 p.m.—Country News from the "Sun."

#### NIGHT SESSION.

8 p.m.—G.P.O. Clock and Chimes.  
 Broadcaster's Topical Chorus.  
 8.5 p.m.—King's Mandolin Orchestra.  
 8.10 p.m.—Mr. Dick Matthews (conductor).  
 8.17 p.m.—Mr. Macready Wilson (Sax).  
 8.24 p.m.—Miss Beryl Scott (soubrette).  
 8.31 p.m.—Broadcasting from Maroubra Speedway.  
 8.55 p.m.—Resumé of following day's programme.  
 9 p.m.—G.P.O. Clock and Chimes.  
 9.1 p.m.—King's Mandolin Orchestra.  
 9.8 p.m.—Broadcasting from Maroubra Speedway.  
 9.25 p.m.—Mr. Dick Matthews.  
 9.30 p.m.—Broadcasting from Maroubra Speedway.  
 9.45 p.m.—Mr. Macready Wilson.  
 9.52 p.m.—Broadcasting from Maroubra Speedway.  
 10 p.m.—G.P.O. Clock and Chimes.  
 10.1 p.m.—Miss Beryl Scott.  
 10.3 p.m.—Broadcasting from Maroubra Speedway.  
 10.15 p.m.—The Ambassador's Dance Band broadcast from the Ball Room of the Ambassadors. During the intervals between dances News Reports by courtesy of the "Sun" Newspapers will be broadcast.  
 11.30 p.m.—G.P.O. Clock and Chimes.  
 National Anthem.

## 3LO, MELBOURNE

#### Saturday.

#### MORNING SESSION.

THE STUDIO ORCHESTRA.  
 EUGENIE DUGGAN, Educationalist.  
 DOROTHY ROXBURGH, Viola.  
 MARJORIE BENAIM, Contralto.  
 GRACE AND KEATS.  
 NIELD AND DORIS.  
 WALTER SMITH, Cornet.  
 Speaker.  
 RT. HON. STANLEY BRUCE, P.M. Announcer.  
 ALFRED ANDREW Accompanist.  
 AGNES FORTUNE.  
 11.45 a.m.—STUDIO ORCHESTRA.  
 "My Native Heath" (Wood).  
 11.18 a.m.—EUGENIE DUGGAN, Educationalist.  
 "If We Only Knew" (Spurr).  
 "Laugh and the World Laughs With You" (Wood).  
 11.37 a.m.—DOROTHY ROXBURGH, Viola.  
 "Soubrette" (Hubay).  
 11.22 a.m.—MARJORIE BENAIM, Contralto.  
 "Melancholy" (Grove).  
 "Just a Wearin' for You" (Larabie-Babaj).  
 11.30 a.m.—STUDIO ORCHESTRA.  
 Selection, "Primrose" (Garshwin).  
 11.49 a.m.—GRACE AND KEATS.  
 "Pierrette" (Pierro).  
 12.17 a.m.—STUDIO ORCHESTRA.  
 Suite, "The Purple Vale" (Auriffe).  
 12 noon.—Time Signal: British Official Wireless News from Rugby; Reuter's and the Australian Press Association Cables; "Aigis" and "Herald" News Services.  
 12.20 p.m.—STUDIO ORCHESTRA.  
 Selection, "Fog" (Gounod).  
 12.30 p.m.—Opening of the NEW VICTORIAN GOLF LINKS, Park Road, Cheltenham, by the RT. HON. STANLEY BRUCE, P.M., (presented from the Hills).  
 1.0 p.m.—Stock Exchange Information.  
 1.10 p.m.—STUDIO ORCHESTRA.  
 "Moment Musical" (Schubert).



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- 1.10 p.m.—Weather Report.  
 1.20 p.m.—MATHORIE BENAÏM, Contralto.  
 "Beloved in the Moon" (Aylward).  
 "Jazz" (Hartford).  
 1.37 p.m.—STUDIO ORCHESTRA.  
 "The Dream of a Madman" (Wagner).  
 1.57 p.m.—NIBLO AND DORIS.  
 "Song."  
 "Erebe."  
 "Home Made Band."  
 1.47 p.m.—WALTER SMITH, organist.  
 "The Troubadour" (Erebe).  
 1.52 p.m.—STUDIO ORCHESTRA.  
 "Songs without Words" (Wagner).  
 2.0 p.m.—Close down.  
 2.10 p.m.—Description of Nuzzle Race, Sandown Park Race, by "Musket" of the "Sporting Globe."  
 "Sporting Globe" news service.  
 The results of Echuca Races will be given as they come in hand.  
 Results of Public Schools Tennis Matches will be given as they come in hand.

## AFTERNOON SESSION.

- JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS.  
 2.45 p.m.—LEAGUE FOOTBALL—Carlton v. Essendon, transmitted from Carlton Ground, by Mr. Rod McGregor.  
 3 p.m.—Description of Two-Year-Old Handicap, Sandown Park Races, by "Musket," of the "Sporting Globe."  
 3.10 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS:  
 "Fig Leaves" (Adney).  
 "Every Little Thing" (Spencer).  
 3.15 p.m.—LEAGUE FOOTBALL—Carlton v. Essendon. Quarter time, description by Mr. Rod McGregor.  
 3.25 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS:  
 "That Samson and Delilah Melody" (Grey).  
 "You've got to Black Shuffler" (Sparks).  
 3.30 p.m.—Description of Sandown Plate, by "Musket," of the "Sporting Globe."  
 "There Ain't No Maybe in My Baby's Eyes."  
 3.35 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS:  
 "I've Got the Girl" (Donaldson).  
 "Kahbi."  
 "Kinky Lullaby" (Miller).  
 "The Village Blacksmith Owns the Village Now."  
 "I'm Longing for You" (Hathaway).  
 3.50 p.m.—LEAGUE FOOTBALL—Carlton v. Essendon. Half-time, description by Mr. Rod McGregor.  
 4 p.m.—Description of Sandown Park Handicap, by "Musket," of the "Sporting Globe."  
 4.5 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS:  
 "That's Why I Love You" (Donaldson).  
 "Take in the Sun, Hang Out the Moon" (Wood).  
 "I've Been Wasting My Dreams Over You" (O'Hagan).  
 "Hi Ho, Ho, Merry" (Brown).  
 "Hi Ho, Ho, Merry" (Brown).  
 "Jiddling" (Wool).  
 "Half a Moon is Better Than No Moon" (Reynolds).  
 "To-night's My Night with Baby" (Meyer).  
 "Bye, Bye, Blackie" (Bixton).  
 4.50 p.m.—Description of Sandown Purse, by "Musket," of the "Sporting Globe."  
 4.55 p.m.—LEAGUE FOOTBALL—Carlton v. Essendon. Three-quarter time, description by Mr. Rod McGregor.  
 4.55 p.m.—"Herald" news service.  
 5 p.m.—Stock Exchange information.  
 5 p.m.—Description of Trial Welter, Sandown Park, by "Musket," of the "Sporting Globe."  
 5.5 p.m.—LEAGUE FOOTBALL—Carlton v. Essendon. Final score, description by Mr. Rod McGregor.  
 6.15 p.m.—Close down.

## EVENING SESSION.

- Accompanist.....ELSIE BRADSHAW.  
 6.30 p.m.—Sporting Results.  
 6.40 p.m.—CHILDREN'S HOUR. Answers to letters and birthday greetings.  
 6.55 p.m.—NELL CRANE will amuse the children for a few minutes.

- 6.2 p.m.—"LITTLE MISS HOOKABURRA" will tell you what happens to the twin bears, while FUSBY goes off after razor blades.  
 6.32 p.m.—NELL CRANE will amuse the children for a few minutes.  
 6.37 p.m.—"LITTLE MISS HOOKABURRA" will give another instalment of "The Cruise of the Gaucy Jane."  
 6.50 p.m.—"Argus" and "Herald" news service.  
 Weather information.  
 Aerial mail information by the Australian Aerial Service, Ltd.  
 6.42 p.m.—Stock Exchange information.  
 Overseas shipping.  
 6.50 p.m.—Fish market reports by J. R. Percival, Ltd.  
 6.55 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd.  
 Newmarket sheep sales.  
 Potatoes, and onions, fruit market reports by the Victorian Wholesale Fruiters' Association, compiled by "The Fruit World," exclusive to 31.0.

## NIGHT SESSION.

- Speaker: MR. E. SIMS.  
 MR. F. CHAPMAN.  
 DR. LEACH.  
 CAPTAIN DONALD MACLEAN.  
 THE MALVERN TRAMWAYS' BAND.  
 ESTELLE MARK TRIO.  
 MADAME LAMBERT, soprano.  
 ERNEST WILSON, baritone.  
 JOE BRENNAN & IDA NEWTON.  
 SYD BECK, comedian.  
 "THE FUTURISTS."  
 NIBLO & DORIS.  
 JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS.  
 MISS LEE WHITE AND MR. CLAY SMITH.  
 Accompanist.....MAURICE DUDLEY.  
 Accompanist.....AGNES FORTUNE.  
 9.15 p.m.—O. MR. E. SIMS, Secretary, Commonwealth Railways, will speak on "Uniform Gauge for Australian Railways."  
 9.30 p.m.—MR. F. CHAPMAN will speak on "Fossil Beds of the Torony Hills."  
 9.45 p.m.—DR. LEACH will speak on "Seagulls."  
 9.5 p.m.—MALVERN TRAMWAYS' BAND:  
 "Sweet Ballet Exquisite" (Luizini).  
 9.10 p.m.—ESTELLE MARK TRIO:  
 Fifteen minutes with the famous composer, "Mazurka."  
 9.25 p.m.—MALVERN TRAMWAYS' BAND:  
 Waltz, "Thoughts" (Joyce).  
 9.32 p.m.—MADAME LAMBERT, soprano:  
 Selected from Madame Butterfly.  
 "Aime Moi" (Hombert).  
 9.40 p.m.—CAPTAIN DONALD MACLEAN:  
 "The Greatest Monster who ever sailed the Seas."  
 9.55 p.m.—ERNEST WILSON, baritone:  
 "Old Harry" (Grant).  
 "Mickey Maches" (Olcott and Bell).  
 9.2 p.m.—MALVERN TRAMWAYS' BAND:  
 Intermezzo, "Stalietto."  
 9.7 p.m.—MISS LEE WHITE AND MR. CLAY SMITH will entertain you with selections from their repertoire.  
 9.15 p.m.—MALVERN TRAMWAYS' BAND:  
 March, "El sabalico." "Romance Poppies."  
 9.24 p.m.—JOE BRENNAN, assisted by IDA NEWTON:  
 Sketch, "The Freeman."  
 "Old Days and Now."  
 "Eccentric Bay Patter."  
 9.36 p.m.—MALVERN TRAMWAYS' BAND:  
 March, "Vedette" (Alford).

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- 9.42 p.m.—SYD BECK, comedian:  
 Selected.  
 9.50 p.m.—"Argus" news service.  
 9.55 p.m.—Erebe official wireless news.  
 Agreements.  
 10 p.m.—"THE FUTURISTS" present their Radio Resonator.  
 MELBOURNE CALLING.  
 The Company will call you through M.O. And tale of Home Life: A Dog's Life. The wife.....ELSIE YAKDA  
 The husband.....GIRIL NORTHCOPE  
 The friend.....GUS DAWSON  
 G. W. DESMOND, tolls of the trial, and a crumbles of a Cup.  
 IRA VANDA sings "Gimme a Little Kim." An up to minute Baroque Broadcasting.  
 10.05 p.m.—GUS DAWSON  
 10.10 p.m.—CYRIL NORTHCOPE  
 Harry's wife.....IRA VANDA  
 Uncle Tom.....G. W. DESMOND  
 The Company sings & Finale, "Wonderful Day."  
 10.25 p.m.—MALVERN TRAMWAYS' BAND:  
 March, "Blencathra."  
 10.35 p.m.—ERNEST WILSON, baritone:  
 "Kashmir Song" (Finden).  
 "Oh, Prop" (Charley).  
 10.42 p.m.—MALVERN TRAMWAYS' BAND:  
 Waltz, "Amoreta."  
 10.52 p.m.—NIBLO AND DORIS:  
 "Top Patter."  
 "The 'n' Nally."  
 10.50 p.m.—MR. NORMAN MCGANCE will give a review of tonight's Stadium event.  
 11 p.m.—OUR GREAT THOUGHT:  
 "We only need to be no true to others as we are to ourselves, that there may be enough room for friendship."—Theaeta  
 11.1 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS:  
 "Fig Leaves" (Adney).  
 "Every Little Thing" (Spencer).  
 "That Samson and Delilah Melody."  
 "On the River" (Rich).  
 "By the Waters of Minnetonka" (Laurance).  
 "That's My Girl" (Davis).  
 "I Want a Pardon for Dads" (Roat).  
 "St. Louis Blues" (Bixton).  
 "Hi, Ho, Ho, Merry" (Brown).  
 "We Need Someone in Love" (Olson).  
 "Cala Hawaiian Sea."  
 "Stepping in Society" (Aks).  
 "Meadow Lark" (Florent).  
 "Coaxing the Piano—Piano Solo" (Confrey).  
 "Sicilian" (Friend).  
 "I'm Glad You Happy" (Donaldson).  
 "Mignonne" (Nichola).  
 "How Could He Be Riding Now" (Randschl).  
 "Clap Hands, Here Comes Charlie" (Meyer).  
 "While the Years Go Drifting By" (Kahbi).  
 "Some Other Bird Whistled a Tune" (Bryan).  
 "Moonlight on the Ganges" (Wallace).  
 11.40 p.m.—GOD SAVE THE KING.

## 4QG. BRISBANE

Saturday.

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

- 3.25 p.m.—Tune-in.  
 3.30 p.m.—A Matinee for Little Listeners, by "Miss Warrnah."  
 4.30 p.m.—Close Down.  
 EARLY EVENING SESSION.  
 6.30 p.m.—Children's Session: Bedtime Stories by "Uncle Ben" and "Uncle Jim."  
 7.15 p.m.—Rating Results.  
 7.30 p.m.—Today's Football Play Described.  
 7.30 p.m.—Sailing Notes, by "Tiller."  
 NIGHT SESSION.  
 8.0 p.m.—From the National Speedway; Motor Cycle Races.  
 8.30 p.m.—From the Gaiety Theatre, "Too-wong"; Orchestral Music.  
 8.6 p.m.—From the National Speedway; Motor Cycle Races.  
 9.30 p.m.—From Lennon's Ballroom; Dance Music.  
 10.0 p.m.—From the Studio: "The Sunday Mail" News Service; Weather News; Close Down.



# The J & P C.M.A., V.I.R. Cable Axiom

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Sydney, 5th May, 1927.

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(CENTRAL 11100)

**5CL, ADELAIDE**

**2GB, SYDNEY**

Saturday.

**MORNING SESSION.**

- 11 a.m.—G.P.O. chimes.
- 11.15 p.m.—Reproduction of the "New Reproducing Sonora" and the "Automatic Reproductor."
- 1.30 p.m.—"Advertiser" news service.
- 2.45 a.m.—Musical programme.
- 3 p.m.—G.P.O. chimes and close down.

**AFTERNOON SESSION.**

- 2.45 p.m.—A running description of the Port Adelaide Racing Club's by Mr. Arnold Treloar, interspersed with items on the new reproducing Sonora and Autolone reproducer and interstate sporting results.
- 3.30 p.m.—Close down.

**EVENING SESSION.**

- 4 p.m.—G.P.O. chimes.
- 6.1 p.m.—Relay from Covent Garden Restaurant—Orchestral selections.
- 6.35 p.m.—Children's hour.
- 7.30 p.m.—Market reports by Messrs. S. C. Ware and Co., A. E. Hall and Co., A. W. Sandford and Co., Dalgety and Co., S. A. Farmer's Co-op. Union, Taylor Bros.
- 7.40 p.m.—Sporting results.
- 8 p.m.—G.P.O. chimes.
- 8.1 p.m.—Song, Miss Edna Wylie.
- 8.5 p.m.—Lobos flute solo, Mr. Jack Lenthall.
- 8.19 p.m.—From Osborne Hall—Carmichael's Dance Orchestra.
- 8.25 p.m.—Song, Mr. Lionel Clarke.
- 8.29 p.m.—Xylophone solo, Master Ted Ninnes.
- 8.34 p.m.—Carmichael's Dance Orchestra.
- 8.52 p.m.—Song, Miss Thelma Bala.
- 8.55 p.m.—Mandolin-guitar solo, Mr. Jack Lenthall.
- 9 p.m.—G.P.O. chimes.
- 9.1 p.m.—Dalgety's wheat report.
- 9.3 p.m.—Carmichael's Orchestra.
- 9.15 p.m.—Song, Miss Edna Wylie.
- 9.22 p.m.—Xylophone solo, Mr. Ted Ninnes.
- 9.25 p.m.—Carmichael's Dance Orchestra.
- 9.46 p.m.—Song, Miss Edna Wylie.
- 9.50 p.m.—Mandolin-guitar solo, Mr. Jack Lenthall.
- 9.55 p.m.—Song, Mr. Lionel Clarke.
- 10 p.m.—G.P.O. chimes.
- 10.1 p.m.—Sporting results.
- 10.15 p.m.—Carmichael's Dance Orchestra.
- 10.30 p.m.—Song, Miss Thelma Bala.
- 10.34 p.m.—Xylophone solo, Mr. Ted Ninnes.
- 10.38 p.m.—Song, Mr. Lionel Clarke.
- 10.42 p.m.—Lobos flute solo, Mr. Jack Lenthall.
- 10.45 p.m.—Carmichael's Dance Orchestra.
- 11 p.m.—G.P.O. chimes and close down.

**Sunday, May 15**  
**2FC, SYDNEY**

Day Announcer, MR. A. S. COCHRANE  
Night Announcer, MR. LAURENCE HALBERT

- 10.55 a.m.—Programme announcement.
- 11 a.m.—FROM THE CONGREGATIONAL CHURCH, PITT STREET, SYDNEY: The Morning Service conducted by the Rev. W. Kench.
- 12.15 p.m.—FROM THE STUDIO: News session.
- 12.30 p.m.—Close down.

**AFTERNOON SESSION.**

- 2.30 p.m.—Announcement.
- 2.45 p.m.—"Big Ben" FROM THE LYCEUM HALL, PITT STREET, SYDNEY: The Pleasant Sunday Afternoon Service arranged by the British and Foreign Bible Society.
- 4.30 p.m.—Close down.

**EVENING SESSION.**

- 6 p.m.—"Big Ben" and programme announcements.
- 6.5 p.m.—Miss Eva Webb-Jones, mezzo: (a) "Roberto, O Tu che Adoro" (Meyerbeer); (b) "The Flies of Arcady" (Jambak).

8.12 p.m.—"Brahm's Sonata in A" for Violin and Pianoforte; Madame Evelyn Grieg, Pianoforte.

- Mr. Henri Staell, Violin.
- 1. First Movement, "Allegro Amabile"
- 2. Second Movement, "Andante (Pizzicato) and Vivace."
- 3. Third Movement, "Allegretto Grazioso."
- 6.30 p.m.—Mr. Tomi Nussimlich, Baritone.
- 6.38 p.m.—Mr. S. H. Bowden will talk on "England's Historic Trees."
- 6.54 p.m.—Mr. Henri Staell, violinist: (a) "Spring Song" (Mendelssohn) (by request); (b) "Nocturne" in D (Chopin) (by request).
- 7 p.m.—Miss Eva Webb-Jones, mezzo: (a) "The Spinel Song" (Haydn); (b) Selected.
- 7.8 p.m.—Madame Evelyn Grieg, pianoforte solo: (a) "Le Papillon" (Liszt); (b) "Pouffe Valseuse" (Poldini).
- 7.35 p.m.—Mr. Emil Sassejlich, baritone: (a) "Had you but known" (Denza); (b) "Crossing the bar" (Willeby).
- 7.52 p.m.—Announcements.
- 8.15 p.m.—The bells of St. Mark's Church of England, Darling Point.

FROM ST. MARK'S, DARLING POINTS SYDNEY:

- The Evening Service conducted by the Rev. Canon Lea.
- 8.30 p.m.—Interval.
- 8.32 p.m.—FROM THE STUDIO: The Leichhardt District Band.
- 8.40 p.m.—Mr. Ernest Archer, tenor: "The Garden of Your Heart" (Dorset).
- 8.44 p.m.—The Leichhardt District Band.
- 9 p.m.—"Big Ben."
- Miss Alice Prowse, contralto: "Cradle Song" (Kreiser).
- 9.1 p.m.—The Leichhardt District Band.
- 9.13 p.m.—Mr. Ernest Archer, tenor: "For You Alone" (Geehl); "Brown Eyes I Love" (Coates).
- 9.23 p.m.—The Leichhardt District Band.
- 9.38 p.m.—Miss Alice Prowse, contralto: (a) "Valley Love Song" (from "Songs of the Hebrides" (Kennedy-Frazer); (b) "Ave Maria" (Schubert).
- 9.45 p.m.—The Leichhardt District Band.
- 9.52 p.m.—Mr. Ernest Archer, tenor: "I Look into Your Garden" (Wood).
- 9.55 p.m.—The Leichhardt District Band.
- 10 p.m.—Miss Alice Prowse, contralto: "Morning" (Speake).
- 10.5 p.m.—National Anthem.
- Close down.

At the Piano .. MR. HORACE KEATS

**2BL, SYDNEY**

Sunday.

- 10.45 a.m.—Special News Service.
- 11 a.m.—Service broadcast from Newtown Congregational Church.
- 3.20 p.m.—Studio Concert.
- 4.30 p.m.—Bible Class conducted by Mr. W. "Cairo" Bradley.
- 5.15 p.m.—Close down.
- 6.45 p.m.—Children's Service.
- 7 p.m.—Service broadcast from Newtown Congregational Church.
- 8.00 p.m.—From the Studio: Staell String Quartet: 1st Violin, M. Henri Staell; 2nd Violin, Mr. J. Grievae; Viola, Mr. F. Kelly; Cello, Mr. Bryce Currier.
- 8.50 p.m.—Mr. Arthur Mayes (basso).
- 8.57 p.m.—Resume of following day's programme.
- 9.55 p.m.—G.P.O. Clock and Chimes.
- Weather Report and Forecast by courtesy of Mr. C. J. Mates Govt. Meteorologist.
- 9.8 p.m.—Mr. Stanley R. Catlett in a song cycle, "In a Brahmin Garden" (Frederick Elgar); (b) "Lullaby" (Liszt).
- 9.23 p.m.—Miss Thelma Houston (contralto).
- 9.25 p.m.—Staell String Quartet.
- 9.49 p.m.—Mr. Arthur Mayes.
- 9.58 p.m.—Miss Dulcie Blair (violin solo).
- 10.3 p.m.—Miss Thelma Houston.
- 10.10 p.m.—National Anthem.

Sunday.

- 10.20 a.m.—Organ Music from St. Alban's Church Catholic Church.
- 10.30 a.m.—Morning Service. Celebration of the Holy Eucharist. Sermon.
- 12 noon—Close down.
- 7 a.m.—Music from Studio.
- 7.15 p.m.—Lecture from Adyar Hall by Professor Ernest Wood.
- 8.15 p.m.—Duet for two violins with piano accompaniment. DAN SCULLY, MONICA HORDER, ADA BROOK.
- 8.23 p.m.—Piano solo. ADA BROOK.
- 8.33 p.m.—Violin solo. MONICA HORDER.
- 8.49 p.m.—Talk Miss Irma Barnes.
- 9 p.m.—Duet for two violins with piano accompaniment. DAN SCULLY, MONICA HORDER, ADA BROOK.
- 9.7 p.m.—Violin solo. MR. DAN SCULLY.
- 9.15 p.m.—Close down.

**3LO, MELBOURNE**

Sunday.

**MORNING SESSION.**

- 10.30 a.m.—Bells from St. Paul's Cathedral.
- 10.45 a.m.—British Official Wireless News. Express news information.
- 11 a.m.—SERVICE from WESLEY CHURCH. Conducted by Rev. J. H. CAIN. Doxology. Invocation. Hymn: "Lord of all being throned afar." Prayer. Hymn: "The King of Love my Shepherd is." Solo. Mr. Ben Moy Ling: "Out of the Ivory Palaces." Scripture Reading: Psalm 84. Anthem: Choir. Notices. Offering. Children's Hymn: "Jesus who callest little one to Thee." SERMON. Hymn: "Sometimes a Light surprise." Benediction.
- 12.15 p.m.—Close down.

**AFTERNOON SESSION.**

- 8 p.m.—PLEASANT SUNDAY AFTERNOON—WESLEY CENTRAL MISSION. Chairman: Rev. J. H. CAIN. Conductor: Mr. G. M. WILLIAMS. Orchestral Selection. Hymn: "All hail the power of Jesus' Name." Prayer: Rev. G. Irving Benson. Hymn: "Master, Speak Thy Servant Hearth." Solo. Mr. J. M. Hill: "Praise" (Wood). Orchestral Selection. Solo. Mr. J. M. Hill: "Give and Take" (Bennett). Notices. Offering. Orchestral Selection. ADDRESS: Mr. J. HUME COOK (Divided). A.N.A.: "Camberra: A New Era in our National History." National Anthem.
- 8.30 p.m.—Organ Recital by Dr. FLOYD. Transmitted from St. Paul's Cathedral: "Introduction and Adagio from the Second Sonata" (Mendelssohn); "March from Arabiska" (Muller); "Two Short Preludes" (Stanford); "Adagio in A Flat" (Guilmant).
- 8 p.m.—Close down.

**EVENING SESSION.**

- 8.40 p.m.—CHILDREN'S HOUR: Home by "THE PIED PIPERS"; "Hubed was the Evening Hymn"; "Once in David's Royal City."



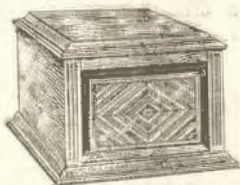
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110 R. G. Street

WRITE FOR LEAFLET "W.W."

8.56 p.m.—BILLY BONNY:

"Passion for Little People."

9 p.m.—Musical Programme by "THE TIED

TIEPERS"

Chorus, "All the World is Glad."

Solo, "Dear Little Lad with your Eyes of

Blue."

Chorus, "The Children's Anthem."

Organ Solo.

Chorus, "Amen, word of God."

Chorus, "Shining in the Rain."

Goodnight Song, "Blow, my Babe."

8.25 p.m.—Answers to Letters and Birthday

Wishes.

9.35 p.m.—BILLY BONNY:

"The Life of Gordon."

8.45 p.m.—Bells from St. Paul's Cathedral.

## NIGHT SERVICE.

SERVICE FROM BAPTIST CHURCH.

JOE ARONSON'S SYMPHONY ORCHESTRA

WESTLEY CHURCH CHOIR.

FINEST WILSON:

ANTONIO BRIGLIA, Cello.

CARLO BRIGLIA, Violin.

Accompanist—ALFRED ANTHEW

Accompanist—AGNES FORTUNE.

7 p.m.—SERVICE FROM BAPTIST CHURCH,

Collins Street, Melbourne.

Preacher: Rev. W. D. JACKSON, B.A.

Organist: Dr. W. G. PRICE.

Choir Director: Madeline KILLA KINGSTON.

Santus.

Call to Worship.

Invocation.

Lord's Prayer.

Hymn, 318: "Come we that Love the Lord."

Lesson: Matt. XV, 21-31.

Sola.

Prayer.

Hymn, 620: "Showers of Blessings."

Notices.

Offering.

Offertory Prayer.

Anthem.

Hymn, 599: "There's a Friend for Little

Children."

SERMON: "The Philosophy of a Mother"

"Matt. XV, 37."

Hymn, 160: "Rest of the Weary."

Benediction.

Vesper.

Followed by Organ Recital by Dr. W. G. P.

Price.

FROM THE STUDIO--

8.00 p.m.—JOE ARONSON'S SYMPHONY

ORCHESTRA:

Overture, "William Tell" (Rossini).

8.30 p.m.—ERNEST WILSON, Baritone:

"Harlequin" (Sanderson).

"I Know a Lovely Garden" (D'Hardeloh).

8.45 p.m.—ANTONIO BRIGLIA, Cello:

"Hungarian Rhapsody" (Pappert).

8.50 p.m.—JOE ARONSON'S SYMPHONY

ORCHESTRA:

"Günther Lullaby" (Schirmer).

8.55 p.m.—WESLEY CHURCH CHOIR.

Under the direction of Mr. A. G. JAMES:

"Lead, Kindly Light" (Buck).

"And the Glory" (Messiah) (Handel).

9 p.m.—JOE ARONSON'S SYMPHONY

ORCHESTRA:

"King Henry VIII. dances" (German).

9.15 p.m.—ERNEST WILSON, Baritone:

"Floral Dance" (Mack).

"and then the Dust" (Woodford Flinders).

9.22 p.m.—CARLO BRIGLIA, Violin:

"The King" (Hubay).

"Arts and Variations" (Tartini-Kressler).

9.32 p.m.—WESLEY CHURCH CHOIR.

"Angelic Chorus" (Wallace) (Maritana).

"Gloria" (Mozart).

9.40 p.m.—JOE ARONSON'S SYMPHONY

ORCHESTRA:

"Dance of the Opera and Ballet."

9.50 p.m.—"Argus" news service. British

Wireless news.

Meteorological information.

Announcements.

9.58 p.m.—OUR GREAT THOUGHT:

"Blessed are the peacemakers, for they

shall be called the children of God" (Bible).

10 p.m.—GOD SAVE THE KING.

## 4QG, BRISBANE

Monday, May 16

2FC, SYDNEY

Sunday.

## MORNING SERVICE.

ALBERT STREET CHURCH.

The complete morning service will be relayed

from the Albert Street Methodist Church.

11 a.m.—Church service.

12.30 p.m.—Close down.

## AFTERNOON SERVICE.

## BAND CONCERT.

The band concert will be relayed from the

Bentley Gardens, Adelaide.

3.15 p.m.—Band concert.

4.50 p.m.—Close down.

## NIGHT SERVICE.

## I.R.S.A. SERVICE.

The complete evening service held by the Inter-

national Bible Students' Association will be

relayed from the School of Arts.

7.30 p.m.—Organ overture, Miss V. Smith;

hymn No. 50, "Praise the Lord"; prayer;

announcements; solo, Mrs. Taylor; Scrip-

ture; hymn No. 88, "God Moves in a Mys-

terious Way"; address, "Wireless and

Prophecy," Mr. R. A. Cunningham; solo, Mr.

W. Donald; hymn No. 11, "All People That

on Earth Do Dwell"; Benediction.

## BAND CONCERT.

At the conclusion of the church service the

concert provided by the Brisbane Municipal

Band conductor, Mr. E. Jackson,

will be relayed from Wickham Park. The

programme will include—

Overture, "Elixir e Claudio" (Morceaux);

selection from "Follies" (Lancival);

Haydn's "Farewell" (Symphony).

9.30 p.m.—Close down.

## 5CL, ADELAIDE

Sunday.

## MORNING SERVICE.

11 a.m.—G.P.O. chimes.

11.1 a.m.—From St. Peter's Cathedral—

Divine service.

12 noon.—Close down.

## AFTERNOON SERVICE.

2 p.m.—G.P.O. chimes.

3 p.m.—From Parkside Baptist Church—

Anniversary, conducted by Rev. H. Tuck,

B.A.

4.15 p.m.—Close down.

## EVENING SERVICE.

6.30 p.m.—G.P.O. chimes.

6.51 p.m.—Sunday studies for children.

7 p.m.—Eroadcast from Parkside Baptist

Church.

8.10 p.m.—Song, Miss Dulcie Walters.

8.14 p.m.—Cello solo, Mr. Fred Gibbons.

8.18 p.m.—Haydn Male Quartette.

8.22 p.m.—Requiem, Mr. George Whittle.

8.30 p.m.—Song, Mr. Gerald Healy.

8.34 p.m.—Pianoforte solo, Miss Lucy Foglia.

8.38 p.m.—Haydn Male Quartette.

8.42 p.m.—Cello solo, Mr. Fred Gibbons.

8.46 p.m.—Requiem, Mr. George Whittle.

8.54 p.m.—Song, Mr. R. Sims.

8.59 p.m.—Station announcement.

9 p.m.—G.P.O. chimes.

9.1 p.m.—Weather report.

9.5 p.m.—Talk by Mr. F. Nicholls, "Elizabeth

Fry."

9.15 p.m.—Haydn Male Quartette.

9.22 p.m.—Cello solo, Mr. Fred Gibbons.

9.26 p.m.—Song, Mr. A. Bartie.

9.30 p.m.—Requiem, Mr. George Whittle.

9.34 p.m.—Song, Miss Dulcie Walters.

9.42 p.m.—Pianoforte solo, Miss Lucy Foglia.

9.46 p.m.—Haydn Male Quartette.

9.50 p.m.—Cello, Mr. F. Gibbons.

9.55 p.m.—Song, Mr. R. Sims.

10 p.m.—G.P.O. chimes and close down.

## MIDDAY SERVICE.

12 noon.—"Big Ben" and announcements.

12.5 p.m.—Stock Exchange, best call.

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

temperatures, astronomical memoranda,

shipping intelligence, mail services.

12.15 p.m.—Studio music.

12.35 p.m.—Summary of "Sydney Morning

Herald" news service and cables.

12.55 p.m.—Rugby wireless news.

12.40 p.m.—Miss Rosalie Locke, contralto:

"Life is a caravan" (del Rio).

12.45 a.m.—Last minute racing information

by the 2FC Racing Commission.

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

1.3 p.m.—"Evening News" midday news ser-

vice.

Producers' Distributing Society's Report.

1.24 p.m.—Studio music.

1.28 p.m.—Stock Exchange, second call.

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

1.40 p.m.—Miss Rosalie Locke, contralto:

"Hedgehog Carnival" (Martin).

1.45 p.m.—Studio music.

2 p.m.—"Big Ben." Close down.

## AFTERNOON SERVICE.

3 p.m.—"Big Ben" and announcements.

3.5 p.m.—The second act of "The Young

Person in Pink," a radio play produced by Mr.

Scott Alexander and played by members of

the MacGunn School of Music.

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

3.40 p.m.—FROM FARMER'S TEA ROOMS:

Miss Joyce Gillespie, soprano:

"A Night of Romance" (Nicholls).

5.45 p.m.—A stillie reading.

4 p.m.—"Big Ben."

FROM FARMER'S TEA ROOMS:

Miss Dorothy Benbow, contralto:

"An Old Garden" (Temple).

4.5 p.m.—Studio music.

4.10 p.m.—Miss Thelma Mitchell, mezzo.

4.15 p.m.—Studio music.

4.20 p.m.—FROM FARMER'S TEA ROOMS:

Miss Joyce Gillespie, soprano:

"Wert Thou a Slave" (Kilner).

4.25 p.m.—Studio music.

4.40 p.m.—FROM FARMER'S TEA ROOMS:

Miss Dorothy Benbow, contralto:

"I wonder if ever the rose" (Slatier).

4.45 p.m.—Stock Exchange, third call.

4.47 p.m.—Miss Thelma Mitchell, mezzo.

4.50 p.m.—Studio music.

5 p.m.—"Big Ben." Close down.

## EARLY EVENING SERVICE.

5.45 p.m.—The studio.

5.50 p.m.—The "Hello Man" talks to the child-

ren.

6.30 p.m.—A serial story: "Davis's Big

Brother."

6.40 p.m.—Dinner music.

7 p.m.—Late evening information.

7.30 p.m.—Daigerty's market reports (wool,

wheat and stock).

7.38 p.m.—Fruit and vegetable markets.

7.50 p.m.—Weather and shipping intelligence.

8.20 p.m.—Stock Exchange.

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

## NIGHT SERVICE.

7.45 p.m.—Programme announcements.

7.50 p.m.—Studio music.

8 p.m.—"Big Ben."

FROM THE HAYMARKET THEATRE,

GEORGE STREET, SYDNEY:

The Haymarket Operatic Orchestra under

the baton of Mr. Stanley Porter.

8.12 p.m.—FROM THE STUDIO:

Mr. Alfred Cunningham, baritone:

(a) "Son of Mine" (Westlake).

(b) "Loch Lomond" (Scottish).

8.26 p.m.—FROM THE SYDNEY FLUTE

CLUB:

Items by the Club conductor, Mr. A. W.

Arton.

8.43 p.m.—FROM THE STUDIO:

Dr. T. Henry will talk about Walkin' Beach.





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SEVENTEEN YEARS BUILDING "THE QUALITY LINE."

- 9 p.m.—Miss Jessie Batchelor, dramatic contralto—from 3LO.
- 9.5 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY: The Vocal Act.
- 10.29 p.m.—FROM THE STUDIO: Mr. Alfred Cunningham, baritone: "The Village Blacksmith" (Lewin).
- 10.34 p.m.—Mr. Ad Cree, Scotch comedian: "Early in the Morning" (Cree).
- 10.38 p.m.—Items by the Sydney Flute Club direct from the Club Rooms: (a) "Trio Ensemble" (Clinton). 1st Flute, Messrs. Swain and White; 2nd Flute, Messrs. Wane and Garside; Piano, Mrs. Garside. (b) Song, Miss Mabel Batchelor, soprano. Flute obligato by Mr. John Lennome. (c) Duet, "Toss an' Tynon" (Fage). Tr., Robertson and Mr. Rainbow. Piano, Miss Brandon. (d) "Andante from Quartet" (Kobler). The Sydney Flute Club conducted by Mr. A. W. Arlson.
- 10.52 p.m.—FROM THE STUDIO: Miss Jessie Batchelor, dramatic contralto from 3LO Melbourne.
- 10.56 p.m.—Mr. Alfred Cunningham, baritone: "Love the Peaky" (Givanni).
- 10.59 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY: Orchestral items. Conductor, Mr. Stanley Forster.
- 10.11 p.m.—FROM THE STUDIO: Miss Jessie Batchelor, dramatic contralto, from 3LO, Melbourne.
- 10.16 p.m.—Mr. Ad Cree, Scotch comedian: "The Farmer's Boy."
- 10.28 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY: Items by the Wentworth Cafe Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.
- 10.55 p.m.—FROM THE STUDIO: Mr. Ad Cree, Scotch comedian: "Ode Wedding" (Cree).
- 10.58 p.m.—The new Wentworth Symphonic Dance Orchestra.
- 10.58 p.m.—Celebrity records from the studio. Late news and announcements.
- 10.59 p.m.—The new Wentworth Symphonic Dance Orchestra conducted by Mr. Frederick Leighton in popular numbers.
- 11 p.m.—"Big Ben." National Anthem. Close down.

## 2BL, SYDNEY

Monday.

## DAY SESSION

- 12 noon.—G.P.O. Clock and Chimes.
- 12.1 p.m.—Special Ocean Forecast and Weather Report.
- 12.3 p.m.—Information—Mails and Shipping and movements of important ships.
- 12.5 p.m.—Sydney Stock Exchange Calls.
- 12.8 p.m.—Hints in call by wireless.
- 12.10 p.m.—Musical programme from the Studio.
- 12.20 p.m.—Fruit Market Report.
- 12.21 p.m.—Vegetable Market Report.
- 12.22 p.m.—London Metal Market Report.
- 12.24 p.m.—Dairy and Farms Produce Market Report.
- 12.27 p.m.—Racing Resumes.
- 12.30 p.m.—G.P.O. Clock and Chimes.
- 12.51 p.m.—Musical programme from the Studio.
- 12.49 p.m.—Sporting information ("Sun").
- 12.45 p.m.—Hilliers Instrument Quartet; direction, Caryl Castling.
- 1.10 p.m.—G.P.O. Clock and Chimes.
- 1.31 p.m.—News from the "Sun."
- 1.40 p.m.—Musical programme from the Studio.
- 1.50 p.m.—News from the "Sun."
- 1.59 p.m.—G.P.O. Clock and Chimes.
- RACING INFORMATION BROADCAST BY COURTESY OF THE "SUN" and special entertainment for Children and Hospital.
- 2.10 p.m.—Musical programme from the Studio.

- 2.30 p.m.—WOMEN'S SESSION (conducted by Mrs. Jordan): Talk on "Fencing" by Miss G. Varley, Broad-casters' Women's Sports Authority. Social Notes— Replies to correspondents. Talk on "Home Economics" by Miss J. Jordan.
- 3 p.m.—G.P.O. Clock and Chimes.
- 3.15 p.m.—Musical programme from the Studio.
- 3.15 p.m.—News from the "Sun."
- 3.34 p.m.—G.P.O. Clock and Chimes.
- 3.31 p.m.—Talk on "The Grand Opera" illustrated by H.M.V. Records.
- 3.58 p.m.—News from the "Sun."
- 4 p.m.—G.P.O. Clock and Chimes.
- 4.1 p.m.—Musical programme from the Studio.
- 4.13 p.m.—Social Story.
- 4.20 p.m.—G.P.O. Clock and Chimes.
- 4.31 p.m.—Musical programme from the Studio.
- 4.41 p.m.—News from the "Sun."
- 4.50 p.m.—Racing Resumes.
- 4.52 p.m.—Producers' Distributing Society's Fruit and Vegetable Market Report.
- 4.54 p.m.—Resumes of night's programme.
- 4.58 p.m.—Announcements.
- 4.54 p.m.—Special Ocean Forecast.
- 5 p.m.—G.P.O. Clock and Chimes; close down.

## EARLY EVENING SESSION.

- 5.15 p.m.—G.P.O. Clock and Chimes.
- 5.45 p.m.—"Daddy Longlegs" will entertain the Kibbles.
- 6.40 p.m.—Musical programme from the Studio.

## SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. Clock and Chimes. Australian Mercantile Land and Finance Reports. Weather Report and Forecast by courtesy of Govt. Met. Producers' Distributing Society's Fruit and Vegetable Market Report. Stock Exchange Report. Grain and Padder Report ("Sun"). Dairy Produce Report ("Sun"). 7.15 p.m.—Boats to Read.
- 7.30 p.m.—Country News from the "Sun."

## EVENING SESSION.

- 8 p.m.—G.P.O. Clock and Chimes. Broad-casters' Topical Chorus.
- 8.5 p.m.—Broadcasters' Band broadcast from Industrial Hall, Newtown.
- 8.23 p.m.—Miss Marjorie Skill (soprano).
- 8.30 p.m.—Broadcasters' Sports Expert—Talk on General Sporting.
- 8.45 p.m.—Lunch Room in Mouth Organ and Violin Harlequin.
- 8.55 p.m.—Resumes of following day's programme. Weather Report and Forecast by courtesy of Mr. E. J. Harris, Govt. Meteorologist.
- 9 p.m.—G.P.O. Clock and Chimes.
- 9.1 p.m.—Miss Jessie Cooke (contralto).
- 9.2 p.m.—Newtown Band.
- 9.28 p.m.—Mr. Frank Ryan (comedian).
- 9.35 p.m.—Miss Maudie Barnett (contralto).
- 9.42 p.m.—Dorothy Matthews and Harry Graham in Comedy and Harmony.
- 9.57 p.m.—Miss Marjorie Skill.
- 10.1 p.m.—Mr. Will Mack, (comedian).
- 10.11 p.m.—Lunch Room.
- 10.21 p.m.—Miss Jessie Cooke.
- 10.28 p.m.—Mr. Frank Ryan.
- 10.33 p.m.—News items by courtesy of the "Sun" Newspapers.
- 10.44 p.m.—Miss Maudie Barnett.
- 10.48 p.m.—Mr. Will Mack.
- 10.58 p.m.—G.P.O. Clock and Chimes.
- 11 p.m.—National Anthem.

## 2GB, SYDNEY

Monday.

## MORNING SESSION.

- 8.30 p.m.—G.P.O. Clock and Chimes.
- 8.5 a.m.—Music.
- 9.5 a.m.—Cheerio Talk.
- 10.5 a.m.—Psychological Class.
- 11.15 a.m.—Health Talk and Diet.
- 10 a.m.—Close down.

## AFTERNOON SESSION.

- 3.30 p.m.—Music. Madame Chaubert.
- 3.37 p.m.—Mr. Walter Hunt (Shakespearean Imitator).
- 3.52 p.m.—Music.
- 4.7 p.m.—Mrs. Marie McLeish.
- 4.28 p.m.—Music.
- 4.35 p.m.—Close down.

## EVENING SESSION.

- 6.40 p.m.—Children's Session conducted by Miss Ima Barnes.
- 7 p.m.—Music.
- 7.5 p.m.—Talk by Miss Barnes.
- 7.15 p.m.—Music.
- 7.50 p.m.—Mrs. K. Powell.
- 8.30 p.m.—Music.
- 7.55 p.m.—Talk.
- 7.58 p.m.—Announcements.
- 7.55 p.m.—Songs.
- 8.5 p.m.—Address by Professor Ernst Wong.
- 8.20 p.m.—Instrumental Quartet. DAN SCULLY, MONICA HORNER, MURIELLE LANG, ADA BROOK.
- 8.45 p.m.—Songs.
- 8.53 p.m.—Cello solo. MURIELLE LANG.
- 9 p.m.—Topical Talk.
- 8.57 p.m.—Songs.
- 8.55 p.m.—Instrumental Quartet. DAN SCULLY, MONICA HORNER, MURIELLE LANG, ADA BROOK.
- 9.15 p.m.—Songs. MADAME CHAUBERT.
- 9.30 p.m.—Topical Talk.
- 10 p.m.—Close down.

## 3LO, MELBOURNE

Monday.

## MIDDAY SESSION.

- FRANK AND FRANCIS LUIZ, Hawaiian Entertainers.
- ESTELLE MARK, Trio.
- GRACE AND KEATS.
- BESSIE GAUNSON, Violin.
- FREDERICK GARDICE, Baritone.
- THE STUDIO ORCHESTRA.
- Accompanist . . . . . AGNES FORTUNE
- Announcer . . . . . MAURICE DUDLEY
- 12 noon.—Time signal. British Official Wireless News from Rugby. Reuter's and The Australian Press Association Cables. "Argus" and "Herald" news service.
- 12.20 p.m.—FRANK AND FRANCIS LUIZ, Hawaiian Entertainers.
- 12.30 p.m.—"Auld Mel." Song "Clubs at Paradise."
- Steel Guitar, "One Two, Three, Four."
- 12.38 p.m.—STUDIO ORCHESTRA: "Dance of the Belittantes"—Ballet Caprice (Dance).
- 12.48 p.m.—Stock Exchange information.
- 12.50 p.m.—ESTELLE MARK TRIO: Fifteen minutes with a famous composer. "Sibelius."
- 1.5 p.m.—STUDIO ORCHESTRA: "Hawaiian Selection" (Latre).
- 1.15 p.m.—Meteorological information. Shipping intelligence. Weather forecast for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast. River reports.
- 1.20 p.m.—GRACE AND KEATS: "In Harpours."
- 1.25 p.m.—BESSIE GAUNSON, Violin.
- 1.30 p.m.—"Southern Dream."
- 1.34 p.m.—STUDIO ORCHESTRA: "Arabian Serenade" (Lange).
- 1.44 p.m.—FREDERICK GARDICE, Baritone: "Paddy goes West" (Sanderson). "Keep on Hopin'" (Brown-Maxwell).
- 1.50 p.m.—STUDIO ORCHESTRA: "Celebrated Canzonetta" (Mendelssohn).
- 2 p.m.—Close down.

## AFTERNOON SESSION.

- Speakers: MRS. DOROTHY SILK. MISS FLORA PELL.
- THE STUDIO ORCHESTRA, under direction of BESSIE GAUNSON.
- O'MARA AND BURKE, Entertainers from the Emerald Isle.
- MADAME LAMBERT, Soprano.
- TASMA TIRMAN, "Cello."
- MR. DENHAM AND IDA NEWTON.
- Accompanist . . . . . AGNES FORTUNE
- Announcer . . . . . MAURICE DUDLEY
- "ART AND SCIENCE."



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**A T A L L D E A L E R S**



4QG, BRISBANE

Monday.

MIDDAY SESSION.

1.0 p.m.—Market Reports; Weather Information supplied by the Commonwealth Weather Bureau; News Service supplied by The Daily Mail; News by The Daily Standard.  
1.20 p.m.—From Hotel Carlton: Lunch music played by Hotel Carlton Symphony Orchestra.  
1.50 p.m.—From the Observer; Standard Time Signal.  
2.0 p.m.—Close Down.

AFTERNOON SESSION.

2.30 p.m.—From Hotel Carlton: Afternoon Tea Music played by Hotel Carlton Symphony Orchestra.  
4.15 p.m.—From the Studio: News Service supplied by The Telegraph.  
4.30 p.m.—Close Down.

EARLY EVENING SESSION.

6.0 p.m.—The News Service supplied by The Daily Standard.  
6.30 p.m.—The Children's Smiles Series by "The Spelmans".  
7.0 p.m.—Market Reports; Stock Reports.  
7.30 p.m.—Weather News; Announcements.  
7.45 p.m.—Standard Time Signal.  
7.45 p.m.—Lecture by "Classifying of the Farm," by Mr H. G. Chessman (Senior Inspector of Slaughteries).

NIGHT SESSION.

OLSEN AND GOODCHAP'S CONCERT.  
The first portion of to-night's programme will comprise a concert arranged by Meara, Olsen and Goodchap, and relayed from their furniture warehouse ("The White House"), Woodloongahba.  
8.0 p.m.—From the White House: Piano solo, "Some Day" (Kellerman), Mrs. Roy Woodward, L.A.B.; violin solo, "Harlequin" (Sarasate), Mr. Fred Homer; mezzo-soprano solo, "Macushka" (MacBarranagh), Miss Rhoda Husband; duet, "The Keys of Heaven" (H. Wright), Miss Alice Raven and Mr. Fred Homer; recitation, "Fallen and the Rose" (A. Spring Thomas), Miss Alice Raven; recitation, "The Man from Snowy River" (Patterson), Mr. Leo Guyatt; duet, "Your Eyes Have Told Me So" (E. McCarthy), Miss Rhoda Husband and Mr. Fred Homer; musical monologue, "Street Watchman's Story" (Bramley William), Mr. Leo Guyatt.

PIANOFORTE RECITAL.

The second portion of the programme will comprise a pianoforte recital by Mr. Erlich John.  
9.0 p.m.—From Mr. Erlich John's Studio: Piano solos: (a) "Necturem" Opus 8, No. 23 (Chopin), (b) "Bacchanale" (Chopin-Liszt), (c) "Prelude" Opus 28, No. 17 (Chopin), Mr. Erlich John; soprano solo, "Carissima" (Penny), Miss Muriel McHugh; pianoforte solos: (a) "Air with Variations" from Grand Sonata, (b) "Seberon" Opus 26 (Beethoven), Mr. Erlich John; soprano solo, "Angels Guard These" (Goldard), Miss Muriel McHugh; overture, "Tanhauser" (Wagner-Liszt), Mr. Erlich John.  
10.0 p.m.—From the Studio of 4QG: "The Daily Mail" News; Weather News; Close Down.

5CL, ADELAIDE

Monday.

MORNING SESSION.

12.00 noon.—G.P.O. chimes.  
12.15 noon.—Recitals on the New Reproducing Sonora and the Antelope Reproductor.  
12.30 noon.—"Advertiser" news service.  
12.50 p.m.—Market reports.

8 p.m.—STUDIO ORCHESTRA:  
Selection, "Cha, Chin, Chou" (Norton).  
8.10 p.m.—MRS. DOROTHY SILK:  
"Homesteads."  
8.25 p.m.—O'MARA AND BURKE, Entertainers from the Emerald Isle:  
ANNA BURKE:  
"Sweet Vale of Shangannah" (J. Lamb)  
Studio Orchestra:  
"Daphne" Ballet (air de Puerari).  
CHAS O'MARA, Baritone:  
"Molly Brown" (Samuel Lova).  
8.35 p.m.—STUDIO ORCHESTRA:  
"Emerald Isle" (Lancione).  
8.47 p.m.—MADAME LAMBERT, Soprano:  
"Dans le Furet" (Lancione).  
"Requies."  
8.54 p.m.—TASMA TIERNAN, Cellist:  
"Largo" (Handel).  
9 p.m.—JOE BRENNAN, assisted by IRA NEWTON:  
"Chrysothemum."  
IDA NEWTON, Comedy Irish Song:  
"Biddy."  
9.14 p.m.—STUDIO ORCHESTRA:  
Suite—"Marchal of Venice" (F. Ross).  
9.25 p.m.—MADAME LAMBERT, Soprano:  
"Unstif."  
"Herodiade."  
9.30 p.m.—MISS FLORA PELL:  
"Domestic Science."  
9.45 p.m.—"Herald" news service. Stock Exchange information.  
9 p.m.—Close down.

EVENING SESSION.

Accompanist: HESIE BRADSHAW  
8.0 p.m.—CHILDREN'S HOUR, Answers to Letters and Birthday Greetings.  
8.55 p.m.—CRACKAJACK MOUTHORGAN ORCHESTRA:  
"My Old Kentucky Home,"  
"Mexical Row."  
9.02 p.m.—"LITTLE MISS KOOKABURRA" will tell her Kookaburras about "Puzey" going to a corn field, and how he was caught in a sack bag.  
9.12 p.m.—RUSS COX:  
"My Treasure."  
"Fly Away Pretty Moth."  
9.19 p.m.—CRACKAJACK MOUTHORGAN ORCHESTRA:  
"Hi, Diddle, Diddle."  
"Bum, Bum, Nany There."  
9.25 p.m.—"LITTLE MISS KOOKABURRA" will tell the elder children about the 5th instalment:  
"The Cruise of the Saneey Jane."  
9.35 p.m.—"Argus" news service, "Herald" news. Weather synopsis. Shipping movements.  
9.47 p.m.—Stock Exchange information.  
9.52 p.m.—Fish Market reports by J. R. Borrett, Ltd., rabbit prices.  
9.55 p.m.—River reports.  
9.58 p.m.—Market reports by the Victorian Producers' Co-operative Co. Ltd. Newmarket Sheep sales. Poultry, Grain, Hay, Chaff, Straw, Hute, Dairy Produce, Potatoes and Onions.  
9.5 p.m.—Fruit Market reports by the Victorian Wholesale Fruiters' Association, compiled by the "Fruit World," exclusive to 4LO.

NIGHT SESSION.

Speakers:  
MR. C. G. McADAM,  
MR. E. G. TAYLOR,  
MR. E. A. KENDALL.  
UNIVERSITY CONSERVATORIUM CONCERT.  
MARY MACK, Contralto.  
C. RICHARD CHUGG, Flute.  
MARIE BRENNER, Soprano.  
STUDIO ORCHESTRA.  
"THE FUTURISTS."  
JOE ARONSON AND HIS SYMPOCANTIST SYMPOCANTISTS.  
Accompanist: AGNES FORTUNE  
Announcer: ALFRED ANDREW  
9.15 p.m.—Under the auspices of the Boy Scouts Association, Commissioner C. G. McADAM, will speak on  
9.30 p.m.—MR. E. G. TAYLOR will speak on "School Life and School Sport."

9.45 p.m.—Under the auspices of the Desert, and of "Journalist" E. A. Kendall, Chief Veterinary Inspector:  
"Glatte Compensation."  
EVEN PLEASURE CLOYS WITHOUT VARIETY.  
AN HOUR OR SO WITH THE CLASSICS.  
9 p.m.—STUDIO ORCHESTRA:  
Overture, "Ragtime Flute" (Mozart).  
9.10 p.m.—MARRY MACK, Contralto:  
"To the Forest" (Tschalkowsky),  
"Two Roses" (Hallett Gilbert).  
9.17 p.m.—C. RICHARD CHUGG, Flute:  
"Romanza" (S. Sauer),  
"Butterfly" (Kobler).  
9.25 p.m.—STUDIO ORCHESTRA:  
Intermission, "Summer Night's Dream" (Mendelssohn).  
9.30 p.m.—MARIE BRENNER, Soprano:  
"The Winds are Calling" (Landon Ronald)  
"Chanson de Florian" (Benjamin Goddard).  
9.42 p.m.—STUDIO ORCHESTRA:  
"Gavotte," "Musette" (Raff).  
9.50 p.m.—Programme arranged by the UNIVERSITY CONSERVATORIUM, under the direction of PROFESSOR BERNARD HEINZE, Pianist; EDWARD GOLL, EDWARD GOLL, Pianist:  
"Nocturne in E Major" (Chopin),  
"Valse in A Flat" (Chopin).  
ETHEL FORSHAW, Soprano:  
"Time Love" (Brahms),  
"Valse in E Major" (Puccini).  
EDWARD GOLL, Pianist:  
"Menuetto Vecchio" (Sgarbiati)  
"Murmure du Vent" (Sauer).  
ETHEL FORSHAW, Soprano:  
"The Hindu Song" (Rimsky Korsakoff)  
"Star Vaino" (Selaeva Rose).  
EDWARD GOLL, pianist:  
"Spinning Song" (Wagner-Liszt).  
9.55 p.m.—MARIE BRENNER, Soprano:  
"If my Songs were only Wings" (Reynaldo Huh).  
"Obstination" (Fontaines).  
9.42 p.m.—STUDIO ORCHESTRA:  
"Symphony" Ist. Movement (Mozart).  
9.53 p.m.—"Argus" news service. British official Wireless news from Rugby.  
10.2 p.m.—"THE FUTURISTS" present their Radio Revue, "RADIOGRAMS."  
The Company will sing an OPENING  
A Medical Tragedy.  
NOT LOST.  
The Nurse ..... Ira Vanda  
The 1st Patient ..... G. W. Desmond  
The 2nd Patient ..... Gus Dawson  
The 3rd Patient ..... Cyril Northcote  
Jesse Desmond will endeavor to make his miserable life happy. IRA VANDA and GUS DAWSON sing of love, but stipulate "No Foolin' and tell you about the Taxi.  
10.30 p.m.—STUDIO ORCHESTRA:  
"3 English Folk Songs" (Vaughan Williams)  
10.37 p.m.—MARRY MACK, Contralto:  
"The Coming of Spring" (Rachmaninoff)  
10.44 p.m.—STUDIO ORCHESTRA:  
"La Cinquantaine" (Gavriel-Marie).  
10.50 p.m.—News, Meteorological information, Announcements.  
11 p.m.—OUR GREAT THOUGHT:  
"A good ward in an easy obligation, but not to speak ill, requires only our silence, which costs us nothing."—Tillotson.  
11.3 p.m.—JOE ARONSON AND HIS SYN. COPEATING SYMPOCANTIST.  
"Just One More Kiss" (Jovani).  
"Just a Bird's Eye View" (Donaldson).  
"A Cup of Coffee, a Sandwich, and You"  
"Somebody's Lonely" (Davie).  
"Baby Face" (Aksit).  
"Fing A Ling-Waltz of the Bells" (Brim),  
"Mar-Lou" (Lyman).  
"The More We Love Together" (Campbell).  
"Ruffenreddy"—Piano Solo. (Barky).  
"Let's All Henry Ford" (Lestlie).  
"I'm on my Way Home" (Berlin).  
"The Original Black Bottom" (Henderson).  
"Hello, Little Girl of My Dreams" (Barky).  
"Sunday" (Miller).  
"By the Sign of a Rose" (Fleider).  
11.49 p.m.—GOD SAVE THE KING.





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

## AFTERNOON SESSION.

- 3 p.m.—G.P.O. chimes.  
 3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral items.  
 3.45 p.m.—From the Studio—Musical items.  
 4 p.m.—G.P.O. chimes.  
 4.1 p.m.—Relay from the Arcade Cafe—Orchestral items.  
 4.35 p.m.—Station announcements.  
 5 p.m.—G.P.O. chimes and close down.

## EVENING SESSION.

- 8 p.m.—G.P.O. chimes.  
 8.1 p.m.—Dinner music by Corant Garden Orchestra.  
 8.45 p.m.—Bedtime stories.  
 7.30 p.m.—Market reports.  
 7.40 p.m.—Physical culture talk by Mr. Noss Hubble.  
 8 p.m.—G.P.O. chimes.  
 8.1 p.m.—Song, Mr. H. Tideman.  
 8.5 p.m.—Mouth organ solo, Mr. E. Ruge.  
 8.10 p.m.—Song, Mr. Keith Clarke.  
 8.14 p.m.—Banjo solo, Mr. Seth Smith.  
 8.20 p.m.—"Twinkler's Boys' Club, Mr. F. J. Mills.  
 8.40 p.m.—Xylophone solo, Master Ted Ninian.  
 8.44 p.m.—Song, Mrs. W. Harry.  
 8.48 p.m.—Pianoforte solo, Mr. Tom King.  
 8.53 p.m.—Bass solo, Mr. Ted Jenkins.  
 8.58 p.m.—Station announcements.  
 9 p.m.—G.P.O. chimes.  
 9.1 p.m.—Weather reports.  
 9.3 p.m.—Delaney's wheat report.  
 9.4 p.m.—Saxophone solo, Mr. Les Mitchell.  
 9.9 p.m.—Song, Mr. H. Tideman.  
 9.13 p.m.—Flute solo, Mr. A. V. Noake.  
 9.17 p.m.—Mouth organ solo, Mr. E. Ruge.  
 9.21 p.m.—Song, Mrs. W. Harry.  
 9.25 p.m.—Appeal for disabled soldiers, by Rev. E. Toth.  
 9.45 p.m.—Violin solo, Mr. Gilbert Casey.  
 9.49 p.m.—Song, Mr. Ted Jenkins.  
 9.53 p.m.—Bass solo, Mr. Seth Smith.  
 10 p.m.—G.P.O. chimes.  
 10.1 p.m.—"Advertiser" news service.  
 10.15 p.m.—Saxophone solo, Mr. Les Mitchell.  
 10.20 p.m.—Song, Mr. Keith Clarke.  
 10.24 p.m.—Bass organ solo, Mr. Eric Ruge.  
 10.28 p.m.—Violin solo, Mr. Gilbert Casey.  
 10.32 p.m.—Song, Mr. H. Tideman.  
 10.36 p.m.—Xylophone solo, Mr. Ted Ninian.  
 10.40 p.m.—Song, Mr. Ted Jenkins.  
 10.45 p.m.—Banjo solo, Mr. Seth Smith.  
 10.49 p.m.—Saxophone solo, Mr. Les Mitchell.  
 10.53 p.m.—Song, Mr. Keith Clarke.  
 10.57 p.m.—Flute solo, Mr. A. V. Noake.  
 11 p.m.—G.P.O. chimes and close down.

## Tuesday, May 17

### 2FC, SYDNEY

## MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.  
 12.05 p.m.—Stock Exchange, first call.  
 12.8 p.m.—Official weather forecast, rainfall, temperature, astronomical memoranda, shipping intelligence, mail services.  
 12.15 p.m.—Studio music.  
 12.25 p.m.—Summary of "Sydney Morning Herald" news service and cables.  
 12.35 p.m.—Rugby wireless news.  
 12.40 p.m.—Studio music.  
 12.45 p.m.—Miss Faith Malaby, soprano: "The Star."  
 1 p.m.—"Big Ben." Weather intelligence.  
 1.05 p.m.—"Evening News" midday news service.  
 1.15 p.m.—Producers' Distributing Society's Report.  
 1.30 p.m.—Studio music.  
 1.38 p.m.—Stock Exchange, second call.  
 1.50 p.m.—Marching music for school children.  
 1.50 p.m.—Miss Faith Malaby, soprano: "The Soldier's Wife" (Rachmaninoff).

- 1.45 p.m.—Studio music.  
 1.55 p.m.—Last minute sporting information by the 2FC Racing Commissionaries.  
 Close down.

## AFTERNOON SESSION.

- 3 p.m.—"Big Ben" and announcements.  
 3.3 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE "GARDEN STREET AND DEN THEATRE" by Jimmy Ekins' Orchestra with the G.P.O. Organ.  
 3.55 p.m.—FROM FARMER'S TEA ROOMS: Marching music for school children.  
 4.00 p.m.—FRO FARMER'S TEA ROOMS: Mr. Frank Bohann, baritone: "Glorious Devon" (Germany).  
 2.45 p.m.—FROM THE STUDIO: A talk on home-subjects and trips by Miss Ruth Forest.  
 4 p.m.—"Big Ben."  
 4 p.m.—FROM FARMER'S TEA ROOMS: MISS Eva Webb Jones, soprano: "What's in the air to-day" (Eden).  
 4.0 p.m.—FROM THE STUDIO: Miss Annie Payne, mezzo: "Beloved" (Heard).  
 4.10 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE: Orchestral items.  
 4.25 p.m.—FROM FARMER'S TEA ROOMS: Mr. Frank Bohann, baritone: "Clock Song" (Charles).  
 4.25 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE: Orchestral items.  
 4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Eva Webb Jones, soprano: "Lido there, no lido" (Burlington).  
 4.45 p.m.—Stock Exchange, third call.  
 4.47 p.m.—Miss Annie Payne, mezzo: "Hedgerow Carol" (Martini).  
 4.55 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE: Orchestral items.  
 5 p.m.—"Big Ben." Close down.

## MABLY EVENING SESSION.

- 5.45 p.m.—The Chimes of 2FC.  
 5.50 p.m.—The "Hello Man" lullaby to the children.  
 5.55 p.m.—A serial story: "David's Big Brother."  
 6.40 p.m.—Dinner music.  
 7 p.m.—"Big Ben."  
 Late sporting information.  
 7.20 p.m.—(Mouth organ) Market Reports (with Miss Ruth Forest).  
 7.18 p.m.—Fruit and vegetable markets.  
 7.20 p.m.—Weather and shipping intelligence. Stock Exchange.  
 7.25 p.m.—Late "Evening News" news service.

## NIGHT SESSION.

- 7.45 p.m.—Programme announcements.  
 7.47 p.m.—The final talk on "Five Great Moderns" by Mr. W. F. Jackson: "Sollicit, Poincarre."  
 8 p.m.—"Big Ben."  
 Announcement of a State-wide radio dance night, in association with "Girls' Realm Week."  
 Dances have been organised throughout the State and Miss Elaine de Chair and her guests will dance to radio to-night at Government House.  
 The 2FC Dance Band, conducted by Mr. Len Maurice and assisted by Mr. Len Maurice in the vocal choruses, will play throughout the evening, interspersed with other studio items.  
 8.3 p.m.—The 2FC Dance Band.  
 8.11 p.m.—Mr. Charles Lawrence, entertainer: "Looka" (Merry).  
 8.15 p.m.—The 2FC Dance Band, and Mr. Len Maurice, popular baritone.  
 8.25 p.m.—Miss Freda Gilder, contralto: "Shine of my Delight" (Phillips).  
 8.38 p.m.—The 2FC Dance Band.  
 8.43 p.m.—Mr. Alfred O'Shea, Australia's foremost tenor.  
 8.48 p.m.—The 2FC Dance Band.  
 8.58 p.m.—Miss Freda Gilder, contralto.  
 9 p.m.—The 2FC Dance Band.  
 9.10 p.m.—Mr. Alfred O'Shea, tenor.  
 9.18 p.m.—The 2FC Dance Band, and Mr. Len Maurice, popular baritone.

- 9.58 p.m.—Mr. Charles Lawrence, entertainer: "I often wondered if my Mother knew" (Lawrence).  
 9.54 p.m.—The 2FC Dance Band.  
 9.44 p.m.—Miss Dorothy Dewar, contralto: (a) "In a Little Garden" (Whitman); (b) "Black Smilfo" (Strakos) (by request).  
 9.50 p.m.—The 2FC Dance Band.  
 9.56 p.m.—Mr. Alfred O'Shea, tenor.  
 9.58 p.m.—The 2FC Dance Band, vocal chorus by Mr. Len Maurice.  
 10.14 p.m.—Miss Freda Gilder, contralto: "Lullaby" (di Giorio).  
 10.17 p.m.—The 2FC Dance Band.  
 10.27 p.m.—Mr. Charles Lawrence, vocal singer: "Wrong numbers" (Beeth).  
 10.33 p.m.—The 2FC Dance Band.  
 10.43 p.m.—Miss Dorothy Dewar, contralto: (a) "Sunday" (Meyer); (b) "Let's get together" (Nelson).  
 10.48 p.m.—Late news and announcements.  
 10.50 p.m.—The 2FC Dance Band and the popular baritone, Mr. Len Maurice.  
 11 p.m.—"Big Ben."  
 National Anthem.  
 Close down.

## 2BL, SYDNEY

### Tuesday, DAY SESSION.

- 10 noon—G.P.O. Clock and Chimes.  
 10.15 p.m.—Special Ocean Forecast and Weather Report.  
 12.2 p.m.—Information—Mails and Shipping and movements of important ships.  
 12.8 p.m.—Sydney Stock Exchange Closes.  
 12.8 p.m.—Buses in call by wireless.  
 12.10 p.m.—Musical programme from the Studio.  
 12.20 p.m.—Fruit Market Reports.  
 12.31 p.m.—Vegetable Market Report.  
 12.22 p.m.—London Metal Market Report.  
 12.24 p.m.—Dairy and Farm Produce Market Report.  
 12.27 p.m.—Rugby Rowing.  
 12.30 p.m.—G.P.O. Clock and Chimes.  
 12.31 p.m.—Musical programme from the Studio.  
 12.40 p.m.—Sporting information ("Sun").  
 12.45 p.m.—Illness Instrument Court; direction, Gray Casling.  
 1.20 p.m.—News from the "Sun."  
 1.48 p.m.—Musical programme from the Studio.  
 1.50 p.m.—News from the "Sun."  
 2 p.m.—G.P.O. Clock and Chimes.  
 RACING INFORMATION BROADCAST IMMEDIATELY AFTER EACH RACE BY COURTESY OF THE "SUN."  
 2.1 p.m.—Talk to Children and special entertainment for Children in Hospital.  
 2.10 p.m.—Musical programme from the Studio.  
 2.50 p.m.—WOMEN'S SESSION (conducted by Mrs. Jordan).  
 Social Notes—Replies to correspondents.  
 Talk on "Poker Hint" by Mrs. Jordan.  
 3 p.m.—G.P.O. Clock and Chimes.  
 3.1 p.m.—Musical programme from Studio.  
 3.10 p.m.—Civil Service Stores Train, direction, Miss de Courtney Bremer.  
 3.20 p.m.—G.P.O. Clock and Chimes.  
 3.31 p.m.—News from the "Sun."  
 4 p.m.—G.P.O. Clock and Chimes.  
 4.1 p.m.—Civil Service Stores Train.  
 4.15 p.m.—Serial Story.  
 4.30 p.m.—G.P.O. Clock and Chimes.  
 4.31 p.m.—Musical programme from Studio.  
 4.50 p.m.—Racing Results.  
 4.52 p.m.—Producers' Distributing Society's Fruit and Vegetable Market Report.  
 4.55 p.m.—Resume of night's programme.  
 4.58 p.m.—Announcements.  
 4.58 p.m.—Special Ocean Forecast.  
 5 p.m.—G.P.O. Clock and Chimes; close down.  
 EARLY EVENING SESSION.  
 5.45 p.m.—G.P.O. Clock and Chimes.  
 5.46 p.m.—Uebel George and the Kiddies.  
 5.48 p.m.—The Pupils of Miss Monica Scully will entertain the Kiddies.  
 6.10 p.m.—Musical programme from the Studio.



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## SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. Clock and Chimes:  
Australian Mercantile Land and Finance  
Co's Report.

Weather Report and Forecast by courtesy of  
Govt. Met.  
Producers' Distributing Society's Fruit and  
Vegetable Market Reports.

Stock Exchange Reports.  
Grain and Foodstuffs Report ("Sun").  
Dairy Produce Report ("Sun").

7.15 p.m.—Country News from the "Sun".  
7.30 p.m.—Talk on "The Motor Car" by Mr.  
Martin.

8 p.m.—G.P.O. Clock and Chimes.  
Broadcasters' Topical Chorus.

8.3 p.m.—Song Cycle, "In a Persian Garden"  
(Lisa Lehmann).  
Soloists: Soprano, Helena Stewart.  
Contralto, Amy Ostinga.

Tenor, Lance Jeffrey.  
Basso, Peter Sutherland.

8.45 p.m.—Miss C. L. Robertson (solistianist).  
8.55 p.m.—Resume of following day's pro-  
gramme.

Weather Report and Forecast by courtesy of  
Mr. C. J. Maree, Govt. Meteorologist.

9 p.m.—G.P.O. Clock and Chimes.  
9.1 p.m.—Broadcasters' Light Orchestra under  
the direction of Mr. J. Knight Barrett.

9.11 p.m.—Mr. W. K. Charlton (baritone).  
9.15 p.m.—Duet, Miss Amy Ostinga and Mr.  
Peter Sutherland.

9.22 p.m.—Madame Belts Vincent in a Talk  
on Music, with illustrations at the piano.

Early Italian and Early French—Scarlett,  
Ceperino, Ramenz and Dequin.

10.2 p.m.—Miss C. L. Robertson.  
10.9 p.m.—Mr. W. K. Charlton.

10.16 p.m.—The Ambassadors' Dance Band  
broadcast from the Bell Room of the Amba-  
sadors. During intervals between dances  
"Sun" news will be broadcast.

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

## 3LO, MELBOURNE

## Tuesday.

## MIDDAY SESSION.

EDOUARD LAMBERT, Violin.  
MARIE BREMNER, Soprano.  
MIGNON WESTON, Oboe.

FALL DE RAYONNE (Tenor).  
THE STUDIO ORCHESTRA.  
Direction, BESSIE GAUNSON.

Accompanists: AGNES FORTUNE  
Announcer: MAURICE DUDLEY

12 noon.—Time Signal. British Official Wire-  
less News from Rugby, Ruster's and The  
Australian Press Association Cables.

"Argus" and "Herald" news services.  
12.20 p.m.—EDOUARD LAMBERT, Violin:  
"Chaconne" (Vivaldi).

12.30 p.m.—STUDIO ORCHESTRA:  
Overture, "Tzarand" (Lachner).

12.40 p.m.—Stock Exchange information.  
12.50 p.m.—MARIE BREMNER, Soprano:  
"The Drowning Lake" (Michael Head).

"Danny Boy" (Fred. Measterly).  
12.55 p.m.—MIGNON WESTON, Oboe:  
"Romance," No. 1 (Schumann).

"Borence" (Antony).  
1.4 p.m.—STUDIO ORCHESTRA:  
Selection, "J. L. Molloy's Sougs." Arranged  
by Baynes.

1.14 p.m.—Meteorological information. Shipping  
intelligence. Weather forecast for  
Victoria, Tasmania, South Australia, and  
New South Wales. Ocean forecast. River  
reports.

1.19 p.m.—EDOUARD LAMBERT, Violin:  
"Le Cygne" (Saint Saens).  
"Mimot in G" (Bethoven).

1.26 p.m.—MARIE BREMNER, Soprano:  
"Come Love with Me"—Spanish Serenade.  
(Vato Carnival).

"The Winds in the South" (John Scott).  
1.32 p.m.—MIGNON WESTON, Oboe:  
"Beech" (Oscar Franck).

"Romance," No. 3 (Schumann).  
1.46 p.m.—PAUL DE RAYONNE, Tenor:  
"Kentucky Lullaby" (Miller).  
"When I Go Home" (Towler).

1.47 p.m.—STUDIO ORCHESTRA:  
"Meditation" (Drum).  
1.54 p.m.—PAUL DE RAYONNE, Tenor:  
"Gypsy G' Quella" (Rigoletto).  
"Ombra Mia Fu" (Handel).  
2 p.m.—Close down.

## AFTERNOON SESSION.

Speaker: "AU FAIT!"  
JOE ARONSON AND HIS SYNCOPATING  
SYMPHONISTS.

GRACE AND KEATS.  
O'MARA AND BURKE.  
FRANK AND FRANCIS LUIZ.

Accompanists: AGNES FORTUNE  
Announcer: MAURICE DUDLEY

2 p.m.—JOE ARONSON AND HIS SYN-  
COPATING SYMPHONISTS:  
"Fig Leaves" (Adney).  
"Every Little Thing" (Spencer).

"The Samson and Delilah Melody" (Grey).  
3.10 p.m.—"AU FAIT!"  
"Fashion Talk."

3.25 p.m.—JOE ARONSON AND HIS SYN-  
COPATING SYMPHONISTS:  
"You've Got to Back Shuffle" (Sparks).  
"I've Got the Girl" (Donaldson).

"There Ain't No Maybe in My Baby's Eyes"  
(Kahn).  
3.33 p.m.—GRACE AND KEATS:  
In Harmony.

3.48 p.m.—JOE ARONSON AND HIS SYN-  
COPATING SYMPHONISTS:  
"Kentucky Lullaby" (Miller).

"The Village Blacksmith Owns the Village  
Now" (Moore).  
3.50 p.m.—"Im Longin' for You" (Bathway).

3.59 p.m.—O'MARA AND BURKE, Enter-  
tainers from the Emerald Isle:  
ANNA BURKE:  
"Little Irish Girl" (Lohm).

CHAS. O'MARA, Baritone: "A Letter from  
Mary of Mourne" (Boechan).

3.57 p.m.—JOE ARONSON AND HIS SYN-  
COPATING SYMPHONISTS:  
"That's Why I Love You" (Donaldson).

"Take in the Sun, Hang out the Moon"  
(Woods).  
3.59 p.m.—"I've Been Wasting My Dreams Over You"  
(O'Hagan).

4.7 p.m.—FRANK AND FRANCIS LUIZ,  
Hawaiian Entertainers:  
Song, "A Song to Hawaii."  
Steel Guitar, "Hawaiian Love."

Duet, "Aloha Baby Boy."  
4.17 p.m.—JOE ARONSON AND HIS SYN-  
COPATING SYMPHONISTS:  
"Hi, Ho, Ho, Merrie" (Woods).

"He Tio, Ho, Ho! Ha, Ha" (Brown).  
"In a Little Spanish Toney" (Woods).

4.27 p.m.—O'MARA AND BURKE, Enter-  
tainers from the Emerald Isle:  
ANNA BURKE:  
"Where Ever You Are" (Long).

CHAS. O'MARA, Baritone:  
"The Wedding of Molly Magee"  
(Lee and Evert).

4.34 p.m.—JOE ARONSON AND HIS SYN-  
COPATING SYMPHONISTS:  
"Jollying" (West).  
"Half a Moon is Better than No Moon"  
(Reynolds).

"Tonight My Night with Baby" (Meyer).  
4.45 p.m.—"Herald" news service. Stock  
Exchange information.

5 p.m.—Close down.  
5.40 p.m.—CHILDREN'S HOUR. Answers to  
Letters and Birthday Greetings.

5.55 p.m.—STUDIO ORCHESTRA:  
"Danny and His Hobby Horse" (Fryer).

6.2 p.m.—"MARY GUMLEAF" Poems:  
"Little Sister Seven."  
"Love the Bird."  
Story for the little ones: "San Babies,"  
composed by Kitty McAulry, age 13, Tas-  
mania.

6.12 p.m.—MARGORIE BENAIN, Soprano,  
will sing two little songs for the children.

6.20 p.m.—"MARY GUMLEAF"—Story for  
the elder children:  
"The Other Side of the Tree."  
6.35 p.m.—"Argus" and "Herald" news ser-  
vice. Weather synopsis. Shipping move-  
ments.

6.47 p.m.—Stock Exchange information.  
6.52 p.m.—Fish Market reports by J. R. Bor-  
rett. Lid. Rabbit prices.

6.55 p.m.—River reports.

6.55 p.m.—Market reports by the Victoria  
Producers' Co-operative Co., Ltd. Dairy  
Produce, Potatoes and Onions. Newmarket  
Sheep Sales, Poultry, Grain, Straw, Hay  
and Jute.

7.6 p.m.—Fruit Market reports by the Vic-  
torian Wholesale Fruiters' Association.  
Quoted by the "Fruit World," exclusive  
to 160.

## NIGHT SESSION.

Speakers:  
MR. H. J. ELLIOTT.  
MR. R. J. A. BARNARD, M.A.

MR. NUTTALL.  
MR. W. MURRAY.

THE STUDIO ORCHESTRA,  
Direction, BESSIE GAUNSON.

PAUL DE RAYONNE, Tenor.  
FRANK AND FRANCIS LUIZ.  
ESTELLE MARK TRIO.

"THE FUTURISTS" will speak on:  
JUB. HIRKMAN AND IDA NEWTON.  
TASMA TIERNAN, Cello.

NIBLO AND DORIS.  
O'MARA AND BURKE.  
JOE ARONSON AND HIS SYNCOPATING  
SYMPHONISTS.

Accompanists: AGNES FORTUNE  
Announcer: ALFRED ANDREW

7.15 p.m.—Under the auspices of the R.A.C.V.,  
MR. H. BEAN, will speak on:  
"The Motor Car on the Road."

7.30 p.m.—Under the auspices of the Univer-  
sity Extension Board, MR. R. J. A. BAR-  
NARD, M.A., will speak on:  
"Modern Ideas about the Stars."

7.45 p.m.—MR. C. NUTTALL will speak on  
"The Easy Job."

8.0 p.m.—THE STUDIO ORCHESTRA,  
Fifteenth Minute (Lachner).  
"Dall Oriente" (Labate).

8.10 p.m.—PAUL DE RAYONNE, Tenor,  
"Awake" (Petber).  
"Sleepy Hollow Tune" (Kwinta).

8.15 p.m.—FRANK AND FRANCIS LUIZ,  
Hawaiian Entertainers:  
Duet, "Drafting and Dreaming."  
Song, "Old Plantation."

Steel Guitar, "Hawaiian Waits."  
8.20 p.m.—STUDIO ORCHESTRA,  
"Brahmshma," arranged by Lantley.

8.37 p.m.—ESTELLE MARK TRIO, Fifteen  
Minutes with the Famous Composer,  
SCHUMANN.

8.52 p.m.—MR. W. MURRAY, World's One  
Mile Walking Record Holder, and Aus-  
tralian 25 Mile Record Holder, will speak on,  
"Preparations for 25 Mile Victorian  
Championship."

9.2 p.m.—"THE FUTURISTS," present their  
Radio Revue.

LAUGHTER LAND.  
The Futurists sing an Opening Chorus.  
A Sketchette, "Less But Not Least."

JRA VANDA, will tell you about "Carrie."  
DESSY and CYRIL NORTHCOE, have a  
few words together.

JRA VANDA and GUS DAWSON, sing a  
duet.  
DISMAL DESMOND, in a few minute  
moments.

A Finale by the Company.  
8.22 p.m.—STUDIO ORCHESTRA,  
"H.M.S. Pinafare" (Sullivan).

9.32 p.m.—JOE BRENNAN, assisted by IDA  
NEWTON:  
"The Water."

IDA NEWTON, "You Never Can Tell."  
JOE BRENNAN, Recitation, "Holl Gate  
of Solomn."

9.41 p.m.—TASMA TIERNAN, Cello,  
"Walther's Frie Song" (Wagner).  
"Nine Pergolise."

9.53 p.m.—British Official Wireless News from  
Announcements.

10.2 p.m.—PAUL DE RAYONNE,  
"One with the Motley"—Pasciacci (Leonca-  
vallo).  
"When Other Lies" and Bohemian Girl (Balfe).

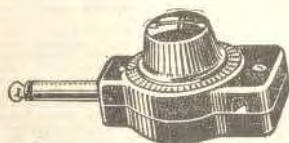
10.3 p.m.—NIBLO AND DORIS,  
"Burlisque"—Rigoletto.  
"Clara."

Paster.  
10.4 p.m.—STUDIO ORCHESTRA,  
"Pisiker Damoor"—Romance (Martini).

10.50 p.m.—O'MARA AND BURKE, Enter-  
tainers from the Emerald Isle.  
Anna Burke, "I Know My Love by His  
Way of Walking."



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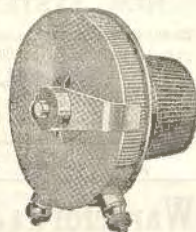
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No. 107 Variable Grid Leaks, with No. 2035 condensers .....	0	10	6
No. 206 6 ohm Rheostat .....	0	9	0
No. 230 ohm Rheostat .....	0	9	0
No. 110 200 ohm Potentiometer .....	0	12	9
No. 111 400 ohm Potentiometer .....	0	14	6
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Chas. O'Mara, Baritone, "Taking Tea At Binda's" (Teressa Brayton).  
Studio Orchestra, "Paolo" - Capriccio Burlesque (Landsberg).  
Chas. O'Mara, Baritone, "Realty Buy" (Molloy).

10.45 p.m.—Argus' News Service, Weather Forecast; Announcements, Sporting Notes by "Olympus".

10.55 p.m.—JOE ARONSON AND HIS SYMPHONISTS.  
"On the Riviera" (Rich).  
"By The Waters of Minnetonka" (Laurance).

11.0 p.m.—OUR GREAT THOUGHT.  
"Our Own Heart And Not Other Men's Opinions, Forms Our True Honor."—COLERIDGE.

11.1 p.m.—JOE ARONSON AND HIS SYMPHONISTS.  
"COPIATING SYMPHONISTS."

"That's My Girl" (Davis).  
"I Want a Pardon for Duds" (Roati).  
"St. Louis Blues" (Handy).

"H. H. The Morris" (Brown).  
"You Need Someone To Love" (Olson).  
"Calm Hawaiian Seas" (Axtel).

"Stepping in Society" (Axtel).  
"Meadow Lark" (Florito).  
"Cookin' The Piano" (Philo Solo (Confrey).

"Speech" (Friend).  
"It Made You Happy" (Donaldson).  
"Mignonette" (Nichols).

"How Could Red Riding Hood" (Randolph).  
"Cap Haidy, Here Comes Charlie" (Meyer).  
"White The Years Go Drifting By" (Kalm).  
"Some Other Bird Whistled a Tune" (Bryan).

"Moonlight on the Ganges" (Wallace).  
11.40 p.m.—GOD SAVE THE KING.

## 4QG, BRISBANE

Tuesday.

### MIDDAY SESSION.

1.0 p.m.—Market Reports, Weather Information, "The Daily Mail" and "The Daily Standard" News.

1.20 p.m.—From Fort Carlton: Lunch Music played by Hotel Carlton Symphony Orchestra.

1.55 p.m.—From the Observatory: Standard Time Signal.

2.0 p.m.—Close Down.

### AFTERNOON SESSION

2.30 p.m.—A Programme of Music From the Studio: Duo Art selection, "Unrequited Love" (Lucke); Amolion Vocalion selections: (a) quartets, "Plantation Lullaby" (Slovanzi), Shannon Four (b) violin solo "Waltz Song" (Rubens), Mr. Albert Sandler; Duo Art selection, "In My Gondola" (Warren); Aeolian Vocalion selections: (a) contralto solo, "Western Wind" (Bracke), Miss Ethel Burke, (b) fox-trot, "Tidbits and Nibbles" (Black), Florida Dance Band; Duo Art selection, "Funiculi Funicia" (Danz); Aeolian Vocalion selections: (a) bass solo, "The King's Minstrel" (Santucci), Mr. M. McEachern, (b) choral, "Australia, Land of Ours" (Glas); massed choirs; Duo Art selection, "Symphony".

4.35 p.m.—"Telegraph" News.  
4.50 p.m.—Close Down.

### EARLY EVENING SESSION.

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

6.30 p.m.—The Children's Session: Stories by Uncle Ben and Uncle Jim.

7.0 p.m.—Market Reports, Stock Reports.  
7.30 p.m.—Weather News; Announcements.  
7.45 p.m.—Standard Time Signal.  
7.55 p.m.—Lectures, "Photography" by Mr. F. L. Smith (Manager, Kodak Limited).

### NIGHT SESSION.

#### BRISBANE APOLLO CLUB.

8.0 p.m.—From the School of Arts: Choral number, "Pilgrims Chorus" (Wagner), the Brisbane Apollo Club (conductor, Mr. Leonard Francis).

From the Studio: Group of popular piano-forte numbers by Miss June Clifford. From the School of Arts: Choral numbers: (a)

"Old Daddy Longlegs" (Wheeler), (b) "Rest Dismissed Rest" (Kuckert), the Brisbane Apollo Club. From the Studio: Orchestra, "Ave Dancer from Henry the Eighth" (Grove), (c) "Morris Dance" (d) "Scherzo Dance" (e) "Torch Dance" (the Studio Instrumental Quartette (conductor, Mr. F. R. C. Smith); a chorus for ten-voice, (W. H. C. Lister), "Seeking and Finding"; mandolin, "A Nipper Do Well," Miss Ellen McLennan; instrumental; (a) "Fun in Dahomey" (Grimshaw), (b) "Pro. Psalm" (Grimshaw), the "White Cocco" (Batio Club; contralto solo, "I Love You Truly" (Gerric Jacobs Band).

Miss Laura Loch; fox-trot; (a) "Lilac" (Oswell), (b) "The Springtime" (Carbone); the Studio Instrumental Quartette.

9.0 p.m.—Metropolitan Weather Forecast; tenor solo, "Old Irish Mother of Mine" (Thiers), Mr. Gerald Cashman; instrumental; (a) "Glorious" (the White Cocco Band Club); soprano solo, selected, Miss June Clifford; instrumental, "Lancashire Lullaby" (Grimshaw), "Romping Rosie" (Romati), the White Cocco Band Club; contralto solo, "Rose in the Bud" (Dorothy Foster).

Miss Laura Loch; orchestra, "Royal Dancer" (Hilka); the Studio Instrumental Quartette; tenor solo, "Little Town in the Quartette" (Santucci), (b) "Sandford, Mr. Gerald Cashman; overture, "The Morris Minstrel" (Ramsdell), the Studio Instrumental Quartette.

9.50 p.m.—From the Centennial Hall: Dance Music.

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

## 5CL, ADELAIDE

Tuesday.

### MORNING SESSION.

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

1.0 p.m.—G.P.O. chimes.  
1.1 p.m.—Musical selections.  
2 p.m.—G.P.O. chimes and close down.

### AFTERNOON SESSION.

2 p.m.—G.P.O. chimes.  
2.1 p.m.—Relay from the Maple Leaf Club: Orchestral selections.

2.15 p.m.—From the Studio: Recital on the "New Reproducing Grammo" and the "Automatic Reproductor."

3 p.m.—G.P.O. chimes.  
4.1 p.m.—Relay from the Arcadia Club: Orchestral selections.

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

### EVENING SESSION.

6 p.m.—G.P.O. chimes.  
6.1 p.m.—Dinner music by Covent Garden Restaurant Orchestra.

6.45 p.m.—Bedtime stories.  
7.05 p.m.—Market reports by Messrs. S. C. Ward and Co., A. G. Hall and Co., A. W. Sandford and Co., Dalgety and Co., S.A. Farmers' Co-op. Union, Taylor Bros.

7.50 p.m.—Home beautiful talk by "Domus" 8 p.m.—G.P.O. chimes.

8.15 p.m.—Overture, Augmented 5CL Orchestra.  
8.15 p.m.—Song, "The Song."

8.15 p.m.—Humorous monologue, Mr. Steve Drunks.  
8.25 p.m.—5CL Orchestra.

8.30 p.m.—Talk by Dr. Herbert Barclay, M.A., B.Sc., M.P.  
8.55 p.m.—5CL Orchestra.

9 p.m.—G.P.O. chimes.  
9.15 p.m.—Weather report.  
9.3 p.m.—Dalgety's wheat report.

9.5 p.m.—Song, Miss Beryl Coulter.  
9.7 p.m.—5CL Orchestra.

9.15 p.m.—Song, Mr. Chas. Baggett.  
9.25 p.m.—Cornet solo, Mr. Yve Rogers.  
9.55 p.m.—Recitation, Mr. Steve Drunks.  
9.55 p.m.—5CL Orchestra.



9.45 p.m.—Song, Mr. Les Coney.  
 9.46 p.m.—Cello solo, Mr. Ted Williams.  
 9.53 p.m.—Song, Miss Beryl Counter.  
 9.56 p.m.—Viola solo, Miss Lisette Foglia.  
 10 p.m.—G.P.O. chimes.  
 10.1 p.m.—"Advertiser" news service.  
 10.16 a.m.—GCL Orchestra.  
 10.25 p.m.—Song, Mr. Chas. Burgess.  
 10.28 p.m.—Pianoforte solo, Mr. Tom King.  
 10.35 p.m.—GCL Orchestra.  
 10.43 a.m.—Recitation, Mr. Steve Danka.  
 10.48 a.m.—Song, Miss Beryl Counter.  
 10.52 p.m.—GCL Orchestra.  
 11 p.m.—G.P.O. chimes and close down.  
 (Programme subject to alteration.)

## Wednes., May 18 2FC, SYDNEY

### MIDDAY SESSION.

12 noon.—"Big Ben" and announcements.  
 12.5 p.m.—Stock Exchange, first call.  
 12.8 p.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.  
 12.16 p.m.—Studio music.  
 12.25 p.m.—A talk on home cooking and recipes by Miss Ruth Fyatt.  
 12.49 p.m.—Miss Ellen Bear, mezzo:  
 "La Sarcenata" (Tosti).  
 12.48 p.m.—"Sydney Morning Herald" news service.  
 Rugby wireless news.  
 12.55 p.m.—Studio music.  
 1 p.m.—"Big Ben." Woucher intelligence.  
 1.3 p.m.—"Evening News" midday news service.  
 Producers' Distributing Society's Report.  
 1.20 p.m.—Studio music.  
 1.28 p.m.—Stock Exchange information, second call.  
 1.36 p.m.—Marching music for school children.  
 1.48 p.m.—Miss Ellen Bear, mezzo:  
 "Rosemary" (Gulltra).  
 1.45 p.m.—Studio music.  
 2 p.m.—"Big Ben." Close down.

### AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.  
 2.5 p.m.—A recital of Columbia records with items made by 2FC artists and recorded in Sydney.  
 The records will include:  
 Mr. Alfred O'Bea, tenor.  
 Mischa Dobeinski, violinist.  
 Miss Eileen Boyd, contralto.  
 Madame Elsa Stralis and Maxim Brodskova (soprano and tenor).  
 The 2FC Dance Band.  
 3.30 p.m.—Marching music for the school children.  
 3.45 p.m.—FROM FARMER'S TEA ROOMS:  
 Miss Eileen Crowley, soprano.  
 "The Little Damsel" (Novello).  
 3.45 p.m.—POPULAR RECORDS from the studio.  
 3.55 p.m.—FROM THE STUDIO:  
 Miss Anne Luciano, soprano.  
 4 p.m.—FROM FARMER'S TEA ROOMS:  
 Miss Jeanette Rooney, contralto:  
 "The Temple Bells" (Woodforde-Finden).  
 4.5 p.m.—Miss Margaret Hunt, soprano.  
 4.18 p.m.—Studio music.  
 4.15 p.m.—Miss Anne Luciano, soprano.  
 4.20 p.m.—FROM FARMER'S TEA ROOMS:  
 Miss Eileen Crowley, soprano:  
 "Spring's Awakening" (Sanderson).  
 4.25 p.m.—Studio music.  
 4.30 p.m.—Master Hunt, Boy soprano.  
 4.35 p.m.—Studio music.  
 4.40 p.m.—FROM FARMER'S TEA ROOMS:  
 Miss Jeanette Rooney, contralto:  
 "The Carpet" (Sanderson).  
 4.45 p.m.—Stock Exchange, third call.  
 4.45 p.m.—Miss Margaret Hunt, soprano.  
 4.49 p.m.—Studio music.  
 4.55 p.m.—Master Hunt, boy soprano.  
 5 p.m.—"Big Ben." Close down.

### EARLY EVENING SESSION.

5.45 p.m.—The Chimes of 2FC.  
 5.55 p.m.—The "Hello Man" talks to the children.

**TWO FAMOUS STARS!**  
**WALLACE BEERY** *Paramount Star in "OLD IRONSIDES"*  
 and  
**JEFFERSON**  
 Audio Frequency Amplifying Transformers  
*Best by Test*

The advertisement features a black and white photograph of actor Wallace Beery on the left, wearing a hat and a dark jacket. To his right is a vintage radio set with a large, five-pointed star-shaped speaker grille. The radio is mounted on a dark wooden cabinet. The background is a light, textured surface.

**A** GAIN Jefferson Transformers have achieved well-earned leadership! For the first time in the history of motion pictures, radio was employed in the direction of sea battle scenes when James Cruze broadcast instructions for the movements of 50 old-time sailing frigates in "Old Ironsides," a Paramount Picture; and JEFFERSON Super-Sensitive Amplifying Transformers were used in all the receiving sets.

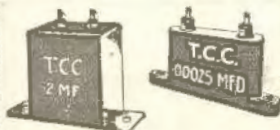
Because of the necessity of receiving clear directions from Director Cruze above the din of the sea battle, JEFFERSON Transformers were employed in every receiving set on the vessel.

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8.30 p.m.—A serial story: "Dave's Big Brother."  
8.40 p.m.—Dinner music.  
9 p.m.—"Big Ben."  
Late sporting news.  
9.10 p.m.—Ballet's Market Reports (wool, wheat and stock).  
9.15 p.m.—Fruit and vegetable markets.  
9.20 p.m.—Weather and shipping intelligence.  
Stock Exchange.  
9.25 p.m.—Late "Evening News" news service.

### NIGHT SESSION.

9.45 p.m.—Programme announcements.  
9.50 p.m.—Studio items.  
9.58 p.m.—A message of goodwill in commemoration of Goodwill Day.  
10 p.m.—"Big Ben," FROM THE STUDIO:  
Mr. E. P. Kerry, cornet solo.  
9.6 p.m.—Mr. Lawrence Broadbent, basso cantabile:  
(a) "Over the Mountains" (arr. Quilter).  
(b) "Friendship" (Wink).  
9.15 p.m.—Mr. W. F. Kay concludes his series of stage talks. His final subject to-night is: "THE VILLIAN OF THE VIC."  
8.50 p.m.—The Neapolitan Duo:  
Mr. Len Gibson, mandolin.  
Mr. Charles Backstrom, Spanish guitar.  
(a) Duet, "Sleepy Honolulu Moon."  
(b) Mandolin solo, "Tesoro Mio" (Santi).  
(c) Duet, "Moth Hawaiian Skies."  
8.34 p.m.—Madame Emily Marks, soprano:  
(a) "Whitber" (Schubert).  
(b) "The Wild Rose" (Schubert).  
8.45 p.m.—Mr. E. P. Kerry, cornet solo.  
8.50 p.m.—Mr. J. J. Van de Velde will give the fourth of his "KNOW YOUR OWN COUNTRY" talks, dealing with his adventures in an aeroplane over various parts of the Continent. On this occasion he will describe his flight over Broken Hill and the Darling River, and examine of his phonographic set will be shown in the "Evening News" of this date. The lecture will be given in four sections of twelve minutes each.

9.0 p.m.—Mr. Lawrence Broadbent, basso cantabile:  
(a) "Yonik" (Allison).  
(b) "Land of Delight" (Sanderson).  
9.10 p.m.—Mr. Maurice Price in piano novelties:  
(a) "Mandel" (Paderewski).  
(b) "Caprice" (Szerzittl-Paderewski).  
9.15 p.m.—Miss Bertha Warren, comedienne.  
9.25 p.m.—Continuation of Mr. E. J. Van de Velde's lecture.  
9.37 p.m.—The Neapolitan Duo:  
Mr. Len Gibson, mandolin.  
Mr. Charles Backstrom, Spanish guitar:  
(a) "Blue Danube" (duet).  
(b) Steel guitar solo, Mr. Charles Backstrom.  
(c) Duet, "Ehze Away March."  
9.45 p.m.—Madame Emily Marks, soprano:  
(a) "If we sailed away" (Phillips).  
(b) "Little Fleur de Lys" (Martin).  
9.52 p.m.—Mr. E. P. Kerry, cornet solo.  
9.57 p.m.—Part three of Mr. E. J. Van de Velde's talk.  
10.0 p.m.—Mr. Maurice Price in piano novelties:  
(a) "Notre Continuo" (Scausa Dp. 24).  
(b) "Rohemian Dance" (Semlana).  
10.15 p.m.—Part four of Mr. E. J. Van de Velde's talk.  
10.30 p.m.—Miss Bertha Warren, comedienne.  
10.35 p.m.—FROM THE WESTWORTH CAFE, CHURCH HILL, SYDNEY:  
Items by the new Westworth Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.  
10.45 p.m.—Celebrity records and late news from the studio.  
10.52 p.m.—The Westworth Symphonic Dance Orchestra.  
11 p.m.—"Big Ben."  
National Anthem.  
Close down.

## 2BL, SYDNEY

### Wednesday.

12 noon—G.P.O. Clock and Chimes.  
12.1 p.m.—Special Ocean Forecast and Weather Report.  
12.3 p.m.—Information Mails and Shipping and movements of important ships.  
12.5 p.m.—Sydney Stock Exchange (aids).  
1.25 p.m.—Bazaar and Fair services.  
12.10 p.m.—Musical programme from the Studio.  
12.20 p.m.—Fruit Market Report.  
12.21 p.m.—Vegetable Market Report.  
12.22 p.m.—Lantern Metal-market Report.  
12.23 p.m.—Bazaar and Farm Produce Market Report.  
12.24 p.m.—Racing Resumé.  
12.30 p.m.—G.P.O. Clock and Chimes.  
12.31 p.m.—Musical programme from Studio.  
12.40 p.m.—Sporting Information ("Sun").  
12.45 p.m.—Musical programme from Studio.  
1 p.m.—G.P.O. Clock and Chimes.  
1.1 p.m.—Phonographic Lecture Record by Arnold R. Mote, in the Fine Art Gallery, Anthony Hordern.  
1.40 p.m.—Musical programme from the Studio.  
1.50 p.m.—News from the "Sun."  
2 p.m.—G.P.O. Clock and Chimes.  
2.05 p.m.—INFORMATION BROADCAST BY COURTESY OF THE "SUN" IMMEDIATELY AFTER EACH HOUR.  
2.1 p.m.—Talk to Children and special entertainment for Children in Hospital.  
2.15 p.m.—Musical programme from the Studio.  
2.20 p.m.—WOMEN'S SESSION (conducted by Mrs. Jordan).  
Talk on "Golf" by Miss Gwen Varley. Broadcaster's Women's Sports Authority. Special Note: Ladies' cases in correspondence. Welfare Talk by Dr. Morris.

2 p.m.—G.P.O. Clock and Chimes.  
3.1 p.m.—Musical programme from Studio.  
3.15 p.m.—News from the "Sun."  
3.30 p.m.—G.P.O. Clock and Chimes.  
3.31 p.m.—Talk on "The Great Composers," illustrated on Straube Piano.  
3.50 p.m.—News from the "Sun."  
4 p.m.—G.P.O. Clock and Chimes.  
4.1 p.m.—Musical programme from the Studio.  
4.15 p.m.—Serial Story.  
4.30 p.m.—G.P.O. Clock and Chimes.  
4.31 p.m.—Musical programme from Studio.  
4.41 p.m.—News from the "Sun."  
4.50 p.m.—Racing Resumé.  
4.52 p.m.—Producers' Distributing Society's Fruit and Vegetable Market Report.  
4.54 p.m.—Resumé of night's programme.  
4.56 p.m.—Announcements.  
4.58 p.m.—Special Ocean Forecast.  
5 p.m.—G.P.O. Clock and Chimes; close down.

### EARLY EVENING SESSION.

8.45 p.m.—G.P.O. Clock and Chimes.  
8.48 p.m.—"Daddy Longlegs" will entertain the Kiddies.  
8.40 p.m.—Musical programme from the Studio.

### SPECIAL COUNTRY SESSION.

9 p.m.—G.P.O. Clock and Chimes.  
Australian Mercantile Law and Finance Co's Report.  
Weather Report and Forecast by courtesy of Govt. Met.  
Producers' Distributing Society's Fruit and Vegetable Market Report.  
Stock Exchange Report.  
Grain and Fodder Report ("Sun").  
Dairy Produce Report ("Sun").  
7.15 p.m.—Country News from the "Sun."  
7.10 p.m.—Talk by a member of the St. John Ambulance Brigade.

### EVENING SESSION.

8 p.m.—G.P.O. Clock and Chimes.  
Broadcaster's Topical Chorus.  
8.5 p.m.—First Act of a Musical Comedy entitled "The Buffalo Girl," written by Rex Shaw and broadcast from Hoyt's Theatre, Chatswood.



9.20 p.m.—From the Studio: Broadcasters' Sports Expert will Talk on Boxing.  
 9.35 p.m.—Broadcasters' Trio.  
 9.45 p.m.—Dr. Alfredo Venas (Operatic Tenor with his Piano Accordion).  
 10 a.m.—G.P.O. Clock and Chimes.  
 Resumes of following day's programme.  
 Weather report and forecast (by courtesy of Mr. C. J. Murray, Govt. Meteorologist).  
 10.5 p.m.—Broadcasters' Trio.  
 10.15 p.m.—Cec Morrison and His Glomobassico (broadcast from the Ballroom of the Board Casino). During intervals between dances, news reports by courtesy of the "Sun" newspapers will be broadcast.  
 11 p.m.—G.P.O. Clock and Chimes.  
 National Anthem.

## 2GB, SYDNEY

Wednesday.

### MORNING SESSION.

5 a.m.—Music.  
 5.5 a.m.—Cherish Talk.  
 6.15 a.m.—Music.  
 6.25 a.m.—Psychological Quiz.  
 6.40 a.m.—Music.  
 6.45 a.m.—Health Talk and Diet.  
 7.6 a.m.—Music.

### AFTERNOON SESSION.

3.20 p.m.—Music, Mrs. Steiner.  
 3.37 p.m.—Talk.  
 3.52 p.m.—Music.  
 4.17 p.m.—Talk, Mrs. Crowther.  
 4.22 p.m.—Music.  
 4.50 p.m.—Close down.

### EVENING SESSION.

6.30 p.m.—Children's Session.  
 7 p.m.—Music.  
 7.5 p.m.—Talk.  
 7.15 p.m.—Music.  
 7.20 p.m.—Talk.  
 7.30 p.m.—Music.  
 7.35 p.m.—Talk.  
 7.55 p.m.—Songs by ELSIE BROWN.  
 8.5 p.m.—Address by Professor Ernest Wood.  
 8.20 p.m.—Instrumental Trio, DAN SCULLY, MURIELLE LANG, ADA BROOK.  
 8.45 p.m.—Clement Hosking Quartette in selections from Light Opera, Elsie Brown, Eva Croft, Thomas Hall, Clement Hosking.  
 8.45 p.m.—Violin solos, DAN SCULLY.  
 8.55 p.m.—Songs by CLEMENT HOSKING.  
 9 p.m.—Jazz Talk.  
 9.15 p.m.—Duets for two violins with piano accompaniment, DAN SCULLY, MONICA HORDER, ADA BROOK.  
 9.25 p.m.—Clement Hosking Quartette Party: Selections from Light Opera.  
 9.35 p.m.—Duets for two violins with piano accompaniment, DAN SCULLY, MONICA HORDER, ADA BROOK.  
 9.45 p.m.—Songs by EVA CROFT.  
 1. 2.  
 9.53 p.m.—Cherish Talk.  
 10 p.m.—Close down.

## 3LO, MELBOURNE

Wednesday.

### MID-DAY SESSION.

JOE ARONSON & HIS SYNCO.  
 FATING SYMPHONISTS.  
 THE FUGGISTS.  
 FREDRICK GEORGE, Baritone.  
 EILEEN STARR, Soprano.  
 Accompanist: . . . . . AGNES FORTUNE.  
 Announcer: . . . . . MAURICE DUDLEY.  
 12 noon.—Time Signal, British Official Wireless News from Rugby, Reuters and the Australian Press Association Cables, Stock Exchange Information, "Argus" and "Herald" news services.  
 12.20 p.m.—JOE ARONSON & HIS SYNCO.  
 FATING-SYMPHONISTS.  
 "Calling Me Home" (Gilbert).  
 "Baby Face".  
 "At Peace With The World" (Berlin).

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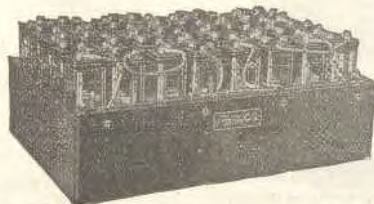
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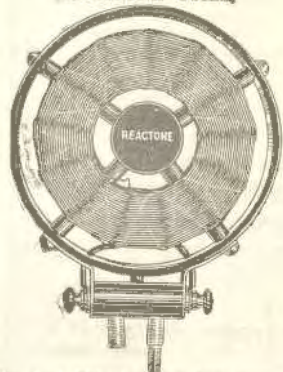
S.B.

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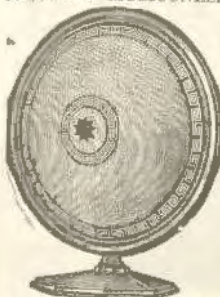
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W. Maling & Co.  
30 Market St. :: Sydney

12.30 p.m.—THE FUTURISTS, present their Radio Review, Mixed Civil, The Company sing An Opening Chorus. CYRIL NORTHCOTE in a dramatic Monologue, "The Difference." GUS DAWSON will again tell IRA VANDA the same old tale. DISMAL DESMOND in a few moments of comedy.

A FINALE by the FUTURISTS.  
12.45 p.m.—Stock Exchange Information.  
12.55 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:  
"Hi Diddle Diddle," (Cleon).  
"Napolitan Nights" waltz, (Zamecnick).  
"Precious" (Whiting).

1.5 p.m.—Frederick George, Baritone,  
"When Soul is Sweet" (Sans Souci).  
"Who Knows" (Ball).  
1.12 p.m.—Weather Report.  
1.17 p.m.—JOE ARONSON & HIS SYNCOPATING SYMPHONISTS.  
"Kalinka" (Tobias).

"Fire, Fire, Fire, Turn the Home on its Gait."  
"Princess Betty's Lullaby" (Storkam).  
1.27 p.m.—EILEEN STARR, Soprano,  
"Robin's Song" (White).  
"Super Vireos" (Vocal).  
1.31 p.m.—JOE ARONSON & HIS SYNCOPATING SYMPHONISTS:  
"Any Ice, To-day, Lady?" (Bellard).  
"Gimme A Little Kiss With Ya Hob" (Turk).  
"Rose Marie," (Friml).

1.44 p.m.—FREDRICK GEORGE, Baritone,  
"The Handlars" (Stuart).  
"Only The River Running by" (Hopkins).  
1.50 p.m.—JOE ARONSON & HIS SYNCOPATING SYMPHONISTS.  
"Indian Love Call" (Friml).  
"No Foolin'" (Owens).  
"Mary Lou" (Gorman).

1.55 p.m.—EILEEN STARR, Soprano,  
"I love the Moon" (Rubens).  
"Linda in the South" (Scott).  
2 p.m.—Description of Hurdle Race, Bendigo Jockey Club, by "Muskat" of the Sporting Globe.

2.3 p.m.—Close down.  
2.40 p.m.—Description of the Bendigo Plate Bendigo Jockey Club Races, by "Muskat" of the "Sporting Globe."  
2.45 p.m.—Close down.

AFTERNOON SESSION.

THE STUDIO ORCHESTRA.  
ESTELLE MARK TRIO  
GERTRUDE ARMSTRONG, Lady Piper  
NIBLO AND DORIS.  
DOROTHY ROXBURGH.  
MADAME LAMBERT, Soprano.  
Speaker: SISTER PECK.

Announcer: MAURICE DUDLEY  
Accompanist: AGNES FORTUNE  
1 p.m.—STUDIO ORCHESTRA:  
"Idyl" (Franz Doppler).  
1.15 p.m.—Description of President's Handicap, Bendigo Jockey Club Races, by "Muskat" of the "Sporting Globe."

1.26 p.m.—ESTELLE MARK TRIO:  
Song, "So Well as no more a-roaming"  
(Maude Valerie White).  
Piano, "Valse in A."  
Song, "Who?"—Test.  
Violin, "Lovers" (Edith Harby).

1.36 p.m.—STUDIO ORCHESTRA:  
"Three Pictures"—Syrja (Montague Ring).  
1.45 p.m.—Description of Notice Handicap, Bendigo Jockey Club Races, by "Muskat" of the "Sporting Globe."  
1.50 p.m.—GERTRUDE ARMSTRONG, Lady Piper:  
March, "The Barren Rocks of Aften."  
Pie, "Duness Grey."

1.55 p.m.—NIBLO AND DORIS:  
Song, "My Young Man."  
Ad lib patter.  
"I Love a Piano."  
4.5 p.m.—DOROTHY ROXBURGH:  
"Canong" (Max Bfuch).

4.30 p.m.—MADAME LAMBERT, Soprano:  
"Fate" (Le Desir) (Gounod).  
"O, Me Dirda" (Chaminade).  
4.45 p.m.—Description of Two Year Old Handicap, Bendigo Jockey Club Races, by "Muskat" of the "Sporting Globe."  
4.30 p.m.—MADAME LAMBERT, Soprano:  
"Pannee of Automne" (Massenet).

4.27 p.m.—SISTER PECK:  
"Infant Welfare."  
4.45 p.m.—Description of Honeysuckle Handicap, Bendigo Jockey Club Races, by "Muskat" of the "Sporting Globe."  
4.50 p.m.—"Herald" news service.—Stock Exchange Information (London).  
5 p.m.—Description of the Casterton Races will be given in this column.  
5.5 p.m.—Close down.

EVENING SESSION.

5.40 p.m.—CHILDREN'S HOUR. Answers to Letters and Birthday Greetings.  
6.35 p.m.—STUDIO ORCHESTRA:  
"Down the Mississippi"—Description Fantasy—(Deorum).  
6.6 p.m.—MARY, MARY, QUITE CONTRARY—Story for the little ones—("The Tinder Box" (Henderson)).

6.16 p.m.—STUDIO ORCHESTRA:  
"Princess Betty's Lullaby"—Reginald Storcham.  
6.23 p.m.—CAPTAIN DONALD MACLEAN:  
"The Midget Wellman."

6.45 p.m.—"Argus" and "Herald" news services. Weather and Aerial Mail information by the Australian Aerial Services, Ltd.  
6.47 p.m.—Stock Exchange information. Overseas shipping.  
6.52 p.m.—Fish Market reports by J. R. Dwyer, Ltd. Rabbit prices.

6.59 p.m.—Market reports by the Victorian Producers' Co-operative Co. Ltd. Newmarket—Sheep rates. Poultry, Grain, Straw, Hay, Jute, Cattle, Dairy Produce, Potatoes and Onions.  
Frank Market reports by the Wholesale Fruit and Vegetable Association, compiled by "The Fruit World," exclusive to 1LD.

NIGHT SESSION.

Speakers:  
MR. E. A. HALLEBONE.  
MR. McMICKEN.  
CAPTAIN PETERS.  
MR. ALFRED MACLEAN.  
THE MALVERN TRAMWAYS BAND.  
ESTELLE MARK TRIO.  
GRACE AND KEATS.

AGNES FORTUNE, Piano.  
JOE BRENNAN AND IDA NEWTON.  
THE VICTORY THEATRE.  
JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.

Announcer: ALFRED ANDREW  
Accompanist: AGNES FORTUNE  
7.15 p.m.—Under the auspices of the Agricultural Department, MR. E. A. HALLEBONE, Senior Inspector, Farm Products, will speak on:  
"Chest and Fodder Quality."

7.30 p.m.—MR. A. E. McMICKEN, City Librarian, Prahran, will speak on:  
"Popular Phrases and Their Origin."  
7.45 p.m.—CAPTAIN PETERS:  
"Becks, Wise and Otherwise."  
8 p.m.—MALVERN TRAMWAYS BAND:  
Selection, "The Quaker Girl" (McDonagh).

8.10 p.m.—ESTELLE MARK TRIO:  
Song, "Songs My Mother Sang" (Grimshaw).  
Piano, "Doe Abellie" (Schumann).  
Song, "The Valley of Laughter" (Sanderzon).  
Violin, "The Girl with the Flaxen Hair" (Debussy).

8.25 p.m.—THE MALVERN TRAMWAYS BAND:  
March, "Our Chaplin" (Rimmer).  
"Harcenelle"—Tales of Hoffman (Code).  
8.32 p.m.—GRACE AND KEATS:  
Pierette, Pierrot, and a Piano.

8.40 p.m.—AGNES FORTUNE, Piano:  
"Gulliver's Cake Walk" (Debussy).  
8.47 p.m.—JOE BRENNAN, assisted by IDA NEWTON:  
"Full of the Joy of Spring."  
IDA NEWTON:  
"Ailes Blue Gown."

"Ailes Breunon, Recitation."  
"I'll do it all over again."  
9 p.m.—CAPTAIN DONALD MACLEAN:  
"The Mighty Morgan Joins the Buccaneers."  
8.45 p.m.—MALVERN TRAMWAYS BAND:  
Waltz, "Smalls" (Nicholls).  
Intermezzo, "Hot Gasoline" (Hersand).  
Setch Reminiscences, "The Piper's Wedding" (Thayne).



6.30 p.m.—VICTORY THEATRE ORCHESTRA, under direction of Mr. M. Barrie, transmitted from the Victory Theatre, St. Kilda.

10.45 p.m.—Meteorological Information. Announcement.

11 p.m.—OUR GREAT THOUGHT.

"Be more careful of your conscience than of your estate. The letter can be bought and sold, the former never."—Helen Ballou.

11.1 p.m.—JOE ARONSON AND HIS SYMPHONY-CONDUCTORS.

"Nobody but You" (O'Hagan).  
"My Cattie" Due, at Two to Two, To-day" (Robin).

"There's a Boatman on the Volga" (Kagyn).  
"That's Why I Love You" (Donaldson).

"Love Bound" (Ruppel).

"Oh, Miss Hannah" (Deppen).

"The Far Away Bell" (Gordent).

"Celestial Moonlight" (Somman).

"Crying for the Moon" (Conley).

"The Too-Too Ho-Ha Ha" (Wood).

"The Me to Your Amen Strings" (Shay).

"Dig on the Piano" (Shapiro).

"Blame it on the Waiter" (Kahn).

"Call Me Early in the Morning" (Rofel).

"Innocent and Sorry" (Davis).

"While the Sahara Sleeps" (Noble).

11.40 p.m.—GOD SAVE THE KING.

## 4QG, BRISBANE

Wednesday.

### EARLY MORNING SESSION.

6.30 a.m.—Physical Culture Session.

7.0 a.m.—Close Down.

### MIDDAY SESSION.

1.0 p.m.—Market Reports; Weather Information.

"The Daily Mail" and "The Daily Standard" News.

1.30 p.m.—From the G.P.O.; Lunch Hour Music played by the Postal Institute Orchestra.

1.58 p.m.—From the Observatory; Standard Time Signal.

2.0 p.m.—Close Down.

### AFTERNOON SESSION.

3.30 p.m.—From Hotel Carlton; Afternoon Tea Music played by Hotel Carlton Symphony Orchestra.

4.15 p.m.—From the Studio; "The Telegraph" News.

4.30 p.m.—Close Down.

### EARLY EVENING SESSION.

6.0 p.m.—"Daily Standard" News; Announcement.

6.30 p.m.—The Children's Hour; Stories by "Little Miss Brisbane."

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

7.30 p.m.—Weather News; Announcements.

7.45 p.m.—Standard Time Signal.

7.55 p.m.—Lecture: "The Lucerne Plant," by Mr. J. R. A. McMillan (Plant Breeder, Queensland Agricultural High School and College).

### NIGHT SESSION.

#### NOVELTY PROGRAMME WHO IS BROADCASTING?

To-night's programme will take the form of a radio novelty, "Who is Broadcasting?" It will be provided by well-known radio artists who will be referred to by letter only.

Listeners will be asked to set out in list form the identity of the various artists, and to post their attempts to the station.

The listener whose list is correct or nearest to be correct, will receive a prize of £27.

In the event of more than one listener sending in a correct list a drawing will be made to decide the winner.

8.0 p.m.—Programme: Selection, "Linda di Chamouni" (Danziotti), by "A" (conductor, Mr. "D"); ten minutes of music and sketch by "C"; male quartet, "How Can I Be True to Love Thee" (Kinkler), the "D" Male Quartette; Hawaiian instrumentalists in selected numbers, the "E" Trio; a Round, for to-night (Will H. Lister).

## The Australian Wireless Co. Ltd.

# Wish to Announce

That they are in a position to supply ALL and EVERY REQUIREMENT of the Experimenter or Radio Set Owner.

Honest Prices.

Best Quality Goods Only.

Country Clients will receive courteous and prompt attention.

All Latest Lines in Stock.

# A FEW SPECIAL LINES AT REDUCED PRICES:

## Potentiometers—

Igranic, 30,000 ohms . . .	s. d.
Magnus, 200 ohms . . . .	7 3
Frost, 200 ohms . . . . .	3 8
Shop Soiled . . . . .	1 6
Shop Soiled . . . . .	2 6

## Sockets—

Frost, 3 gang . . . . .	s. d.
Crossley (Porc.) . . . . .	11 6
Crossley (Bak.) . . . . .	1 2
Shop Soiled . . . . .	1 2
Shop Soiled . . . . .	0 0

## Coil Plugs—

Miscellaneous Mounts . .	0 6
Shop Soiled . . . . .	0 4

## Dials—

Accurate . . . . .	17 3
K.K., Bin. . . . .	3 6
K.K., sin. . . . .	3 0
Shop Soiled . . . . .	0 6

## Rheostats—

Hosbeck, 30 ohms . . . . .	2 2
Pinnacle, 30 ohms . . . . .	2 2
Shop Soiled . . . . .	1 6

## Switches—

Frost Push-Pull . . . . .	1 11
Framingham Series . . . .	1 6
Fada Rotary Switch Arms . . . . .	0 6

Cabinets Shop Soiled from 10/6 to £1

## The Australian Wireless Company Limited

140 CASTLEREAGH STREET, SYDNEY.

Manufacturers of the Famous **RADIAIR** RECEIVING SETS



### "Good Enough!"

A bull beholding a red flag is sweet-tempered in comparison with my wrath when someone excuses bad or unfinished work with the excuse, "It's good enough!"

Of all the accused things which sap manhood, destroy pride in work, sow mistakes, ruin business and cause disease of the backbone, this phrase is the worst. It is more destructive than bad whisky!

To my way of thinking, the man who shirks his work is only a degree or so better than the one who puts money from the till into his pocket. He is robbing his employer every time.

One of the worst results of this "Good enough" policy is that some of the men who believe in it cannot shake themselves free when they become managers, and the sequel is that the evil spreads throughout the business and may put it on the rocks if not stopped.

If you want an illustration of the exact opposite—the Never Good Enough policy, read up the story of the Burgess Battery Company. It is a mental shower bath.

When the Burgess Company had evolved, at great cost, the finest dry cell battery ever made, they went right on month by month and year by year trying to improve it. They established research and engineering laboratories with highly-paid experts and they enlisted the co-operation of the foremost radio engineers, manufacturers and experimenters in the United States.

The result has been that every Burgess Battery is as perfect as brains and money can make it. Every battery is tested before it leaves the factory and the discovery of a bad battery would cause an upheaval resembling a Mississippi flood.

There is no accident in the fact that the United States navy, the Canadian Government, the great Atlantic liners, and the foremost airmen and explorers all use Burgess Radio Batteries. It is the reward of the Never Good Enough policy.

Australian radio users have discovered the Burgess Battery to such an extent that New System Telephones Pty., Ltd., of 280 Castlereagh-street, Sydney, have had to use the cable to keep abreast of the demand. Every month a brand new supply of Burgess Batteries reaches Sydney and goes out all over New South Wales.

"Friendship," contralto solo, "Big Brother" (Garron), Miss F., harp solo, "The Bells of Shandon" (Old Irish), Mrs. G.; tenor solo, selected, Mr. "H"; intermezzo, "This is my Fancies" (Foss), by "A"; male quartette, "The Mellow Melon" (Richardson), by the "D" Male Quartette, organ solo, "Andante in G" (Battisti), Mrs. "L".

9.8 p.m.—Metropolitan Weather Forecast.  
9.8 p.m.—Hawaiian instrumentalists, the "E" Trio, contralto solo, "My Land of Dreams" (Wynne), Miss F.; cornet solo, selected, Mr. "J"; saxophone: (a) "Hey, Hey, Diddle-Dee" (Coon), (b) "Smiling Eyes" (Howards), by "A"; male quartette, "Honey, I Want Yer Now" (Coel), the "D" Male Quartette; violin solos: (a) "Spring Song" (Mendelssohn), (b) "Inces-mezzo" (Mascagni), by Mr. "K"; baritone solo, selected, by Mr. "L"; harp solo, "Bereavement" (Hasselman), Mrs. "G"; Hawaiian instrumentalists, the "E" Trio; tenor solo, selected, Mr. "H"; voice, "Loreley-Rhein-King" (Strauss), by "A".  
9.30 p.m.—Half an hour's Dance Music by

10.4 p.m.—From the Studio: "The Daily Mail" News; Weather News; Close Down.

## Thursday, May 19 2FC, SYDNEY

### MIDDAY SESSION.

12 noon—"Big Ben" and announcements.  
12.5 p.m.—Stock Exchange, first call.  
1.2 p.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.  
1.15 p.m.—Studio music.  
1.25 p.m.—A reading.  
1.40 p.m.—Miss Gwladys Fimister, soprano: "My Gentle Child" (del Rio).  
1.45 p.m.—Summary of "Sydney Morning Herald" news services.  
Rugby wireless news.  
1.55 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.—Studio music.  
1.25 p.m.—Stock Exchange, second call.  
1.30 p.m.—Marching music for school children.  
1.40 p.m.—Miss Gwladys Fimister, soprano: "Moon upon the Chimney" (Roll).  
1.45 p.m.—Studio music.  
1.54 p.m.—Last minute sporting information by the 2FC Racing Commissioner.  
Close down.

### AFTERNOON SESSION.

2 p.m.—"Big Ben" and announcements.  
2.3 p.m.—A radio play produced by Mr. Scott Alexander and performed by members of the MacCunn School of Music.  
2.50 p.m.—Marching music for school children.  
2.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Persis Butler, soprano: "Nightingale of June" (Sanderson).  
2.45 p.m.—FROM THE STUDIO: A pianoforte reproduction of the "Behning" Player Piano.  
2.55 p.m.—Miss Maysie Gilman, Lyric soprano: "O, night of stars and splendour" (Thompson).  
4 p.m.—"Big Ben."  
FROM FARMER'S TEA ROOMS: Miss May Craven, mezzo: "Garden of Happiness" (Wood).  
4.5 p.m.—Pianoforte reproduction of the "Behning" Player Piano.  
4.10 p.m.—Miss Maysie Gilman, Lyric soprano: "Through Lore to Light" (Wynne).  
4.15 p.m.—Studio music.  
4.20 p.m.—FROM FARMER'S TEA ROOMS: Miss Persis Butler, soprano: "Dream Hour" (Brook).  
4.25 p.m.—Pianoforte solo.

4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss May Craven, mezzo: "In the Garden of my Heart" (Hally).  
4.45 p.m.—Stock Exchange, third call.  
4.45 p.m.—Studio music.  
5 p.m.—"Big Ben." Close down.

### EARLY EVENING SESSION.

5.45 p.m.—The Chimes of 2FC.  
5.50 p.m.—The "Hello Australia" talks to the children.  
6.30 p.m.—A serial story: "Lyle's Big Brother."  
6.40 p.m.—Dinner music.  
7 p.m.—"Big Ben."  
Late sporting news.  
7.10 p.m.—"Delaney's" Market Reports (world, wheat and stock).  
7.15 p.m.—Fruit and vegetable markets.  
7.20 p.m.—Weather and shipping intelligence.  
Stock Exchange.  
7.25 p.m.—Late "Evening News" news service.

### NIGHT SESSION.

7.40 p.m.—Programme announcements.  
7.45 p.m.—A talk by the Technical Editor of "Wireless Weekly."  
8 p.m.—"Big Ben."  
FROM THE STUDIO: the first broadcast appearance of the N.S.W. Tramway Band: (a) March, "B.C.F.C." (Ord Hume). (b) Waltz, "Gipsy Bells" (Fitzgerald).  
8.15 p.m.—"The Four Waifs" in harmony numbers.  
8.15 p.m.—The N.S.W. Tramway Band: (a) Fox Trot, "On the Riviera" (Levan). (b) Selection, "Scott's Song" (Merion).  
8.30 p.m.—Miss Margaret James, soprano: "A Geisha's Life" (Jones).  
8.34 p.m.—FROM THE KING'S HALL, SYDNEY: Items from the Pianoforte Recital by Mr. Alexander Sverenyak, Russian pianist: (a) "Fantasia in D Minor" (Mozart). (b) "Rondo in E Flat Major" (Hummel).  
8.50 p.m.—FROM THE STUDIO: The "Four Waifs" in harmony numbers.  
8.57 p.m.—The N.S.W. Tramway Band: Selection, "Gipsy Bells" (Fitzgerald).  
9 p.m.—Miss Margaret James, soprano: (a) "She had a letter" (German). (b) "Stolen Wings" (Willeby).  
9.12 p.m.—The N.S.W. Tramway Band: An American Sketch, "In Ole Kentucky" (Douglas).  
9.24 p.m.—The "Four Waifs" in harmony numbers.  
9.30 p.m.—FROM THE KING'S HALL, SYDNEY: Items from the Pianoforte Recital by Mr. Alexander Sverenyak: (a) "La Muet d'Isle" (Wagner-Liszt). (b) "Spring Night" (Schumann-Liszt). (c) "Venezia e Napoli" (Tarantella-Liszt).  
9.45 p.m.—FROM THE STUDIO: Miss Margaret James, soprano: "Neil Gwyn's Song" (Rose).  
9.52 p.m.—The N.S.W. Tramway Band: Selection, "Gems of Irish Melodies" (Hume).  
10.4 p.m.—The "Four Waifs" in harmony numbers.  
10.12 p.m.—The Mars Hunter Steel Guitar Duo: (a) "Dreams of Honeymoon" (Wiedoeff). (b) "Barcarole" (Offenbach).  
10.20 p.m.—Mr. Laurence Halbert, baritone.  
10.24 p.m.—The new Westworth Symphonic Dance Orchestra. Conductor, Mr. Frederick Leighton.  
10.35 p.m.—The Mars Hunter Steel Guitar Duo: (a) "Ukulele Dream-man" (Sterling). (b) "Looking at the world" (Steiner).  
10.42 p.m.—Mr. Laurence Halbert, baritone.  
10.46 p.m.—The New Westworth Symphonic Dance Orchestra.  
10.55 p.m.—Late news and announcements.  
10.57 p.m.—FROM THE FIRSTWORTH CAFE: The New Westworth Symphonic Dance Orchestra. Conductor, Mr. Frederick Leighton.  
11 p.m.—"Big Ben."  
National Anthem.  
Close down.



## 2BL, SYDNEY

Thursday.

## DAY SESSION.

12 noon.—G.P.O. Clock and Chimes.  
 12.1 p.m.—Special Ocean Forecast and Weather Report.  
 12.3 p.m.—Information—Mails and Shipping and movements of important ships.  
 12.6 p.m.—Sydney Stock Exchange Calls.  
 12.8 p.m.—Boats in Call by Wireless.  
 12.10.—Musical programme from the Studio.  
 12.30 p.m.—Fruit Market report.  
 12.34 p.m.—Vegetable Market report.  
 12.22 p.m.—London Metal Market report.  
 12.24 p.m.—Dairy and Farm Produce Market report.  
 12.27 p.m.—Racing Resumé.  
 12.30 p.m.—G.P.O. Clock and Chimes.  
 12.31 p.m.—Musical programme from the Studio.  
 12.40 p.m.—Sorting Information ("Sun").  
 12.45 p.m.—Hillers' Instrumental Quartet—direction Cyril Castling.  
 1.30 p.m.—G.P.O. Clock and Chimes.  
 1.31 p.m.—News from the "Sun."  
 1.45 p.m.—Musical programme from the Studio.  
 1.50 p.m.—News from "Sun."  
 2 p.m.—G.P.O. Clock and Chimes.  
 Racing information broadcast immediately after each Race by courtesy of the "Sun."  
 2.1 p.m.—Talk to Children and Special Entertainment for Children in Hospital.  
 2.19 p.m.—Musical programme from the Studio.  
 2.31 p.m.—WOMEN'S SESSION (Conducted by Mrs. Jordan). Social Notes—Replies to Correspondents. Talk by Miss Hoyles on "Handicraft."  
 3 p.m.—G.P.O. Clock and Chimes.  
 3.1 p.m.—News from the "Sun."  
 3.15 p.m.—Musical programme from the Studio.  
 3.33 p.m.—G.P.O. Clock and Chimes.  
 3.34 p.m.—News from the "Sun."  
 3.40 p.m.—Musical programme from the Studio.  
 3.50 p.m.—Country Women's Session.  
 4 p.m.—G.P.O. Clock and Chimes.  
 4.1 p.m.—Musical programme from the Studio.  
 4.3 p.m.—Serial Story.  
 4.39 p.m.—G.P.O. Clock and Chimes.  
 4.31 p.m.—Musical programme from the Studio.  
 4.41 p.m.—News from the "Sun."  
 4.50 p.m.—Racing resumé.  
 4.52 p.m.—Producers' Distributing Society's Fruit and Vegetable Market report.  
 4.54 p.m.—Resumé of night's programme.  
 4.56 p.m.—Announcements.  
 4.58 p.m.—Special Ocean forecast.  
 5 p.m.—G.P.O. Clock and Chimes.

## EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes.  
 5.46 p.m.—Uncle George and the Kiddies.  
 5.49 p.m.—Musical programme from the Studio.

## SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. Clock and Chimes.  
 Australian Mercantile Land and Plane Co.'s report.  
 Weather report and forecast by courtesy of Govt. Meteorologist.  
 Producers' Distributing Society's Fruit and Vegetable Market report.  
 Stock Exchange reports.  
 Grain and Fodder Report ("Sun").  
 Dairy Produce report ("Sun").  
 7.15 p.m.—Country News from the "Sun."

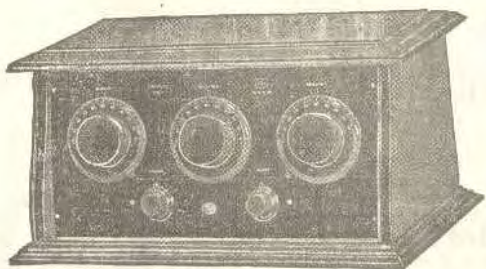
## EVENING SESSION.

8 p.m.—G.P.O. Clock and Chimes.  
 Broadmeads' Tropical Chorus.  
 8.7 p.m.—Mr. B. H. Mountain (Comedian).  
 8.10 p.m.—Mr. Harry Avondale (Songs at the Piano).

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5:17 p.m.—Fashion and Social Notes by Mrs. Jessie Davidson. Broadcaster's Fashion Column. Broadcast from the Ballroom of the Ambassadors.

5:22 p.m.—Sid and Molly Owen and Jack Nonesale (Novelty Entertainment).

5:47 p.m.—Middle Jessica (Contralto).

5:49 p.m.—Mr. Phil Morrison.

5:50 p.m.—Resume of following day's programme. Weather report and forecast by courtesy of Mr. E. J. Marras, Govt. Meteorologist.

6 p.m.—G.P.O. Clock and Chimes.

6:1 p.m.—Mr. Harry Avondale.

6:25 p.m.—Middle Jessica.

6:35 p.m.—Fashion and Social Notes from the Ambassadors.

6:39 p.m.—2nd Act of the Musical Comedy "The Italian Girl" (Ray Show) broadcast from Hay's Theatre, Chastwood.

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

6:57 p.m.—MAUDE BRIMMER, soprano: "Fiddler, come and play for me" (Montague Phillips). "Chorus to be sung," Murray (Ambrose Thomas).

6:52 p.m.—Description of the Flying Handicap, Bendigo Jockey Club Races, by "Muskiet" of the "Sporting Globe."

6:42 p.m.—MRS FRANCES FRASER: "When Southern Gulls."

6:30 p.m.—"Herald" news review. Stock Exchange information. Accompanist for Williamson's Race, May 21st.

6:45 p.m.—EVERNSONG, transmitted from St. Paul's Cathedral.

6:50 p.m.—Close down.

#### EVENING SESSION.

Accompanist ..... ELSIE BRADSHAW

6:40 p.m.—CHILDREN'S HOUR. Answers to letters and birthday greetings.

6:55 p.m.—GRACE AND KEATH will entertain the children.

6:2 p.m.—"MARY GUMLEAF" poems: "Every fairy has a Star." "The Gypsy." Story for the Nilites only. "The Km Baby" composed by Kitty McAuley, aged 12, Tasmania.

6:12 p.m.—FRANK ANI FRANCIS LUIZ. Hawaiian entertainer; Duet, "Some Sweet Day." Song, "Aloha Oe."

6:10 p.m.—"MARY GUMLEAF"—Story for the older children. "The Happy Prince."

6:55 p.m.—"Argus" and "Herald" news review. Weather synopsis. Shipping movements.

6:47 p.m.—Stock Exchange information.

6:52 p.m.—Fish market reports by J. M. Dowling. Rabbit races.

6:55 p.m.—River reports.

6:58 p.m.—Market reports by the Victorian Producers' cooperative Co., Ltd. Newmarket sheep sales. Poultry, grain, hay, straw, tute, dairy produce, potatoes and onions.

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

#### NIGHT SESSION.

## 3LO, MELBOURNE

#### Thursday.

#### MIDDAY SESSION.

#### COMMUNITY SINGING.

12 noon.—Time signal.

12:15 p.m.—British official wireless news from Radio "Heater" and the Australian Press Association cables.

"Argus" and "Herald" news services.

12:45 p.m.—Under the auspices of the Theatre Girls and Community Singers' Association.—COMMUNITY SINGING.—transmitted from the Assembly Hall, Collins Street.

1:45 p.m.—Stock Exchange information. Weather report.

2 p.m.—Description of Trial Handicap, Bendigo Jockey Club Races, by "Muskiet" of the "Sporting Globe."

2:5 p.m.—Close down.

2:46 p.m.—Description of Kirby Handicap, Bendigo Jockey Club Races, by "Muskiet" of the "Sporting Globe."

#### AFTERNOON SESSION.

#### THE STUDIO ORCHESTRA.

Director, BESSIE GANUSON.

#### MARIE BREMNER.

#### THE FUTURISTS.

RAYMOND LAMBERT, piano.

Speaker: MISS FRANCES FRASER.

Accompanist ..... AGNES FORTUNE

Announcer ..... MAURICE DUDLEY

#### 3 p.m.—STUDIO ORCHESTRA:

Selection, "Pavilace" (Leoncavallo).

3:10 p.m.—MARIE BREMNER, soprano: "One Lone Star" (MacGunn). "Fleeting" (Edward Elgar).

3:15 p.m.—Description of Brush Steeple, Bendigo Jockey Club Races, by "Muskiet" of the "Sporting Globe."

3:20 p.m.—THE FUTURISTS, present their Radio Revue.

#### TEA FOR TWO.

An opening chorus by the Company. DESSY and CYRIL NORTHCOLE have a few words to say to each other.

IDA BISSETT, sings, "I'm in love with you, that's why."

Sketchette, SAVED.

The Butler, CYRIL NORTHCOLE.

The Young Man, GUS DAWSON.

The Wife, IRA VANDA.

DESSY will discourse on everyday matters.

IRA VANDA leads her Braw Heilan's Laddies in a wee bit of Scotch, and tells them that the Bloom is on the Heather.

3:45 p.m.—Description of Distance Handicap, Bendigo Jockey Club Races, by "Muskiet" of the "Sporting Globe."

3:50 p.m.—RAYMOND LAMBERT, piano:

"Ficana" (Albeniz).

"Minuet" (Paderewski).

Speakers: MR. V. E. LETCHER.

MR. H. R. GOLLAN.

MR. REGINALD DANDY.

MR. ROD MCGREGOR.

JOE ANONSON AND HIS SYNCO-

PATING SYMPHONISTS.

ERNEST WILSON, baritone.

JOE BRENNAN & IDA NEWTON.

WILLIAM & DAVID GRACE.

MARY MACK, contralto.

Accompanist ..... AGNES FORTUNE

Announcer ..... ALFRED ANDREW

7:15 p.m.—MR. V. E. LETCHER, Chairman of the Indoor Organisation Committee, Victorian Railways, will speak on: "Impressions on American Transportation System."

7:20 p.m.—MR. H. R. GOLLAN, Assistant Manager, Government Tourist Bureau, will speak on: "Touring in Victoria's Alpine Regions."

7:45 p.m.—MR. REGINALD DANDY, now appearing in the part of "Jim Kenyon" in "Rose Marie," from his dressing-room by permission of J.C. Williamson, Ltd.

8 p.m.—MR. ROD MCGREGOR will speak on prospects of Saturday's Football.

8:15 p.m.—JOE ANONSON AND HIS SYNCO-

PATING SYMPHONISTS.

"The Royal Ambassadors" (Stanley).

"Zulleka, My Desert Maid" (Gunnings).

"In a Little Garden" (Iula).



- 8.25 p.m.—ERNEST WILSON, baritone:  
"Two Grenadiers" (Schumann).
- 8.30 p.m.—JOE ARONSON & HIS SYNCO-  
PATING SYMPHONISTS:  
"There Ain't No Maybe in My Baby's Eyes"  
(Kabu).  
"Thinking of You" (Ash).  
"Perfume of the Past" (Mayson).
- 8.38 p.m.—IDA NEWTON:  
Song, "The Gee That Gets The Money."
- 8.43 p.m.—JOE ARONSON & HIS SYNCO-  
PATING SYMPHONISTS:  
"We don't want to get married" (Stern).  
"Bye, Bye Blackbird" (Dixon).  
"Laughing at the Ivories" (Weedhal).
- 8.53 p.m.—NIBLO AND DORIS:  
"Eux Mena."
- 8.57 p.m.—JOE ARONSON & HIS SYNCO-  
PATING SYMPHONISTS:  
"I Can't Forget" (Morton-Corrick).  
"While the Years Go Drifting By" (Kabu).  
"Paralisse Alley" (Archer).
- 9.7 p.m.—MARY MACK, contralto:  
"To the Forest" (Tschibikowsky).
- 9.11 p.m.—JOE ARONSON & HIS SYNCO-  
PATING SYMPHONISTS:  
"Where Did You Get Those Eyes" (Donald-  
son).  
"Sing, Katie, but Leave the Piano Alone"  
(Tracey).  
"Whisper Sh" (Devan).
- 9.21 p.m.—ERNEST WILSON, baritone:  
"Annie Laurie" (Liza Lehmann).
- 9.25 p.m.—JOE ARONSON AND HIS SYNCO-  
PATING SYMPHONISTS:  
"No Foolin'" (Buch).  
"Cherie, I Love You" (Goodman).  
"The Animal Fair" (La Forreste).
- 9.35 p.m.—JOE BRENNAN:  
Fossiliferous, "Seven Ages of Man." Shake-  
speare.
- 9.38 p.m.—JOE ARONSON AND HIS SYNCO-  
PATING SYMPHONISTS:  
"The Savvy Medley of Medley" (arr.  
Somera).  
"Tonight's My Night with Baby" (Meyer).  
"Say That You Love Me" (Nichols).
- 9.49 p.m.—NIBLO AND DORIS:  
Song, "Introduced Man."  
Clear, Patter.
- 9.53 p.m.—JOE ARONSON AND HIS SYNCO-  
PATING SYMPHONISTS:  
"On the Black Bottom With Me" (Meyer).  
"Schultz Is Back Again with His Boom,  
Boom, Boom."  
"I'd Climb the Highest Mountain" (Brown).
- 10.2 p.m.—"Argus" news service.  
British official wireless news from Rugby.  
Meteorological information.  
Sporting notes by "Olympus."  
Announcements.
- 10.18 p.m.—MARY MACK, contralto:  
"Belgian Love Song" (De Cherek).
- 10.22 p.m.—JOE ARONSON & HIS SYNCO-  
PATING SYMPHONISTS:  
"She's Everybody's Sweetheart" (Rose).  
"It Made You Happy" (Donaldson).  
"While We Danced Till Dawn" (Schuster).
- 10.28 p.m.—ERNEST WILSON, baritone:  
A ship of the Old Black" (W. H. Squire).
- 10.35 p.m.—JOE ARONSON & HIS SYNCO-  
PATING SYMPHONISTS:  
"Let's Grow Old Together" (Nelson).  
"Talking to the Moon" (Basketle).  
"Meadow Lark" (Florent).
- 10.44 p.m.—IDA NEWTON:  
Song, "They never leave you alone."
- 10.50 p.m.—JOE ARONSON & HIS SYNCO-  
PATING SYMPHONISTS:  
"At Peace with the World" (Berlin).  
"Frisbie" (Greer).  
"Kitten On the Keys"—sings solo (Conroy).
- 11 p.m.—OUR GREAT THOUGHT:  
"It is often better not to see an insult than  
to avenge it."—Seneca.
- 11.3 p.m.—JOE ARONSON & HIS SYNCO-  
PATING SYMPHONISTS:  
"In a Little Spanish Town" (Young).  
"Somebody's Lonely" (Davis).  
"How Could Red Riding Hood" (Randolph).  
"My Pal, Jerry" (Rose).

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"Am I Wasting My Time" (Bibou).  
"Dream of Love and You" (Taylor).  
"Pearl of Malabar" (Nicholls).  
"Just a Bird's Eye View" (Kahn).  
"Alabama Stomp" (Craemer).  
11.40 p.m.—GOD SAVE THE KING.

## 4QG. BRISBANE

Thursday.

### MIDDAY SESSION.

1.0 p.m.—Market Reports; Weather Information; "The Daily Mail" and "The Daily Standard" News.  
1.20 p.m.—From Hotel Carlton: Lunch Hour Music played by Hotel Carlton Symphony Orchestra.  
1.55 p.m.—From the Observatory: Standard Time Signal.  
2.0 p.m.—Close Down.

### AFTERNOON SESSION.

3.30 p.m.—A Programme of Music by the Studio Orchestra (conductor, A. E. Featherstone). The programme will include: March, "Birth of a Nation" (Archer); waltz caprice, "Wooing of the Rose" (Greenwald); shadow dance, "The Magic Silencer" (Röntz); melodie, "Pansies" (Berdux); jazz waltz, "Indian Moon" (Wallace); Russian waltz, "Alexandrovna" (Greenwald); march characteristic, "Simpeling Susans" (Grey); fox-trot, "The Tanker Trot" (Buffano).  
4.15 p.m.—"The Telegraph" News.  
4.30 p.m.—Close Down.

### EARLY EVENING SESSION.

6.0 p.m.—"Daily Standard" News; Announcements.  
6.30 p.m.—Bedtime Stories by "The Sundman."  
7.0 p.m.—Market Reports; Stock Reports.  
7.30 p.m.—Weather News; Announcements.  
7.45 p.m.—Standard Time Signal.  
7.45 p.m.—Lecture: "From Brisbane to Perth: Some glimpses of Rural Australia," No. 2, by Mr. J. F. Read (Editor "Queensland Agricultural Journal").

### NIGHT SESSION.

#### CADENZA PLECTRAL CLUB—

"ANGLO MALE QUARTETTE."  
To-night's programme will be provided mainly by Mrs. Matthews' Cadenza Plectral Club, and the Anglo Male Quartette.  
8.0 p.m.—Serenade, "Chant des Gondoliers," Mrs. Matthews' Cadenza Plectral Club; male quartette, "Only This" (Parks), the Anglo Male Quartette; violin solo, selected, Miss Claire Quartette; bass solo, "The Late Payer" (Allison), Mr. R. Pike; two mandolins and mandola, "The Flower of Night" (Leigh), the Cadenza Trio; a thought for to-night (Will H. Lister), "Religion of Happiness" tenor solo, "O Flower of All the World" (Woodford-Pindon), Mr. C. R. Kell; monologue, "When Burglars Came to Our Home" (Klar), Miss Agnes Finney; male quartette: (a) Two Piles" (Parks), (b) "Go, Ask Papa" (Parks), the Anglo Male Quartette; recitativo, "Last a Memory" (Wells), the Cadenza Plectral Club; tenor and bass duet, "Nocturne" (Denax), Messrs. C. Kell and R. Pike; romance, "Remembrance," the Cadenza Sextette; baritone solo, "Mountain Lovers" (Squire), Mr. A. E. Stoddart; two mandolins and piano, "Le Fleur at le Papillon" (Arton), the Cadenza Trio; male quartette, "Home Sweet Home" (Parks), the Anglo Male Quartette; monologue, "A Friendly Sort of War," Miss Agnes Finney; orchestral, "The One I Love" (Jones and Kahn), the Cadenza Plectral Club.  
9.15 p.m.—Metropolitan Weather Forecast.  
9.20 p.m.—From the Band: An impromptu programme of Music by the Brisbane Municipal Concert Band (conductor, Mr. E. Jackson).  
10.0 p.m.—From the Studio: "The Daily Mail" News; Weather News; Close Down.

## Friday, May 20 2FC, SYDNEY

### MIDDAY SESSION.

12 noon.—"Big Ben" and announcements.  
12.30 p.m.—Stock Exchange, first call.  
12.8 p.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.  
12.15 p.m.—Studio music.  
12.25 p.m.—A talk on home cooking and recipes by Miss Ruth Fursell.  
12.40 p.m.—Miss Florence Grant, soprano: "Blown by over" (Hobson).  
12.45 p.m.—Summary of "Sydney Morning Herald" news service.  
Rugby wireless news.  
12.55 p.m.—Studio music.  
1.0 p.m.—"Big Ben" Weather Intelligence.  
1.3 p.m.—"Evening News" midday news service.  
Producers' Distributing Society's Report.  
1.20 p.m.—Studio music.  
1.24 p.m.—Stock Exchange, second call.  
1.30 p.m.—Marching music for school children.  
1.40 p.m.—Miss Florence Grant, soprano: "A Little Love Nest" (Lohr).  
1.45 p.m.—Studio music.  
2.0 p.m.—"Big Ben" Close down.

### AFTERNOON SESSION.

3.0 p.m.—"Big Ben" and announcements.  
3.5 p.m.—A pianoforte reproduction on the "Beking" Player Piano.  
3.12 p.m.—Some new records.  
3.18 p.m.—Miss Genevieve Eppol, soprano: "A heart that's free" (Kolby).  
3.22 p.m.—Fugate, recitativo.  
3.30 p.m.—Marching music for school children.  
3.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Eileen Moran, soprano: "Dream Hour" (Brooks).  
3.45 p.m.—A Dickens' Reading by Mr. A. B. Cochrane.  
4.0 p.m.—"Big Ben."  
FROM FARMER'S TEA ROOMS: Miss Muriel Humphries, contralto: "Look down, Dear Eyes" (Fisher).  
4.5 p.m.—Dulcinea solos by Mr. Ewart Chaplin.  
4.15 p.m.—A Pianoforte Reproduction.  
4.30 p.m.—FROM FARMER'S TEA ROOMS: Miss Eileen Moran, soprano: "Because of You" (Solman).  
4.25 p.m.—Miss Genevieve Eppol, soprano: "My Bird of April Days" (Bosley).  
4.30 p.m.—Studio music.  
4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Muriel Humphries, contralto.  
4.45 p.m.—Stock Exchange, third call.  
4.47 p.m.—Pianoforte reproductions.  
5.0 p.m.—"Big Ben" Close down.

### EARLY EVENING SESSION.

5.45 p.m.—The Chimes of 2FC.  
5.50 p.m.—The "Hello Man" talks to the children.  
6.00 p.m.—A serial story: "David's Big Brother."  
6.40 p.m.—Dinner music.  
7.0 p.m.—"Big Ben." Last minute sporting information by the 2FC Racing Commissioner.  
7.10 p.m.—Daily's Market Reports (wheat, wheat and stock).  
7.18 p.m.—Fruit and vegetable markets.  
7.20 p.m.—Weather and shipping intelligence, Stock Exchange.  
7.25 p.m.—Late "Evening News" news service.

### EVENING SESSION.

7.40 p.m.—Programme announcements.  
7.45 p.m.—A talk on Bridge by Mr. Graham Bell, No. 2 of the series concerning Conventions.  
8.0 p.m.—"Big Ben."  
FROM THE LYREUM THEATRE, PITT STREET, SYDNEY: Items by the Orchestra.



- 8.10 p.m.—Mr. Sydney Calland, baritone:  
"Have you news of my boy Jack?" (German).
- 8.14 p.m.—The Neopolitan Duo:  
Mr. Len Gibson, mandolin, and Mr. Charles Backstrom, guitar, arrange:  
(a) Duet, "Café-chica" (Rusan).  
(b) Mandolin solo, "Saint d' Amour" (Kagar).  
(c) Duo, "Over the Waves."
- 8.22 p.m.—Miss Shirley Cooke, comedienne.
- 8.26 p.m.—Mr. Scott Alexander in a radio burlesque.
- 8.49 p.m.—Mr. Sydney Calland, baritone:  
(a) "A Foy of Roses" (Coleman).  
(b) "Fals" (Squire).
- 8.47 p.m.—FROM THE LYCEUM THEATRE,  
PITT STREET, SYDNEY:  
Orchestral items.
- 8.57 p.m.—Mr. Ted Turrell, comedian and mimic.
- 9.3 p.m.—Miss Shirley Cooke, comedienne.
- 9.7 p.m.—FROM THE LYCEUM THEATRE,  
PITT STREET, SYDNEY:  
Orchestral items.
- 9.15 p.m.—Mr. Sydney Calland, baritone:  
FROM THE STUDIO:  
"Sing to me in a Minor Key" (Andrew).
- 9.19 p.m.—The Neopolitan Duo:  
Mr. Len Gibson, mandolin:  
Mr. Chas. Backstrom, Spanish guitar:  
(a) Duet "Plantation Medley" (arr. Gibson).  
(b) Mandolin solo, "Un Pen d' Amour" (Slesian).
- (c) Steel guitar solo, Mr. Charles Backstrom.
- 9.25 p.m.—Mr. Ted Turrell, comedian and mimic.
- 9.32 p.m.—FROM THE LYCEUM THEATRE,  
PITT STREET, SYDNEY:  
Orchestral items.
- 9.42 p.m.—FROM THE STUDIO:  
Miss Shirley Cooke, comedienne.
- 9.46 p.m.—A Representation of Wagner's famous opera:  
"LOHENGRIN"  
by means of the H.M.V. special opera set of grammophone records.
- 10.40 p.m.—Late news and announcements.
- 10.42 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY:  
Items by the new Wentworth Symphony Dance Orchestra, conducted by Mr. Frederic Leighton.
- 11 p.m.—"Big Ben."  
National Anthem.  
Close down.

## 2GB, SYDNEY

### Friday.

- 9 a.m.—Music.
- 9.5 a.m.—Cherico Talk Mr. J. K. Powell
- 9.15 a.m.—Psychological Class.
- 9.25 a.m.—Music.
- 9.40 a.m.—Loudh Talk.
- 9.45 a.m.—Music.
- 10 a.m.—Close down.
- 3.00 p.m.—Music.
- 3.27 p.m.—Talk.
- 3.52 p.m.—Music.
- 4.7 p.m.—Talk.
- 4.22 p.m.—Music.
- 6.30 p.m.—Children's Section, Miss Inna Barnes
- 7 p.m.—Music.
- 7.5 p.m.—Talk.
- 7.15 p.m.—Music.
- 7.25 p.m.—Talk.
- 7.30 p.m.—Music.
- 7.35 p.m.—Talk to Men.
- 7.50 p.m.—Announcements.
- 7.55 p.m.—Instrumental Trio, MONICA HORDER, MURELLE LANG, ADA BROOK.
- 8.5 p.m.—Address by Professor Ernest Wood.
- 8.20 p.m.—Songs.
- 8.25 p.m.—An hour with the 2GB String Quartet, Lloyd Davies, Monica Horder, Charles Boul, Murielle Lang.
- 9 p.m.—Topical Talk.
- 9.15 p.m.—Piano solos, Ada Brook.
- 9.25 p.m.—A Comedy by the WALTER HUNT COMPANY.
- 9.45 p.m.—Songs.
- 9.55 p.m.—Cherico Talk.
- 10 p.m.—Close down.

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## 3LO MELBOURNE

Friday

MIDDAY SESSION.

- Speaker: CAPT. DONALD MACLEAN.  
STUDIO ORCHESTRA; Under direction  
HESSIE GAUNSON.  
FRANK & FRANCIS LUIZ, Hawaiian  
Entertainers.  
MADAME LAMBERT, soprano.  
GRACE AND KEATS.  
O'MARA AND BURKE.  
Accompanist ..... AGNES FORTUNE  
Announcer ..... MAURICE DUDLEY
- 12 noon.—Time Signal.  
British official wireless news from Rugby,  
Reuter's and the Australian Press Associa-  
tion cables.  
"Argus" and "Herald" news service.  
12.20 p.m.—FRANK AND FRANCIS LUIZ.  
Hawaiian entertainers:  
Duet, "Ole Hawaiian Seas."  
Song, "Kau Ipo."  
Steel Guitar, "Hawaiian Hotel."  
12.30 p.m.—STUDIO ORCHESTRA:  
Interlude, "From the Opera Alstala" (Du  
Lene).  
12.40 p.m.—Stock Exchange Information.  
12.50 p.m.—STUDIO ORCHESTRA:  
"You and I Song" (Lester).  
12.55 p.m.—CAPT. DONALD MACLEAN:  
"How Morgan captured the Treasure City of  
Porto Bello."  
1.10 p.m.—MADAME LAMBERT, soprano:  
"Madame Butterfly."  
"Serenade Antille."  
1.17 p.m.—Meteorological Information.  
1.22 p.m.—GRACE AND KEATS:  
"In Harmony."  
1.30 p.m.—STUDIO ORCHESTRA:  
"Rondo Capriccioso" (Mendelssohn).  
1.37 p.m.—O'MARA AND BURKE, entertain-  
ers, from the Emerald Isle:  
Anita Burke, "Eileen of Killarney" (Thom-  
son).  
Charles O'Mara will entertain you.  
Studio Orchestra.  
Chas. O'Mara, baritone. "Mountains of  
Mourne" (Trench).  
1.50 p.m.—STUDIO ORCHESTRA:  
Suite, "The Purple Vine" (Chas. Ansell).  
2 p.m.—Close down.

AFTERNOON SESSION.

- THE STUDIO ORCHESTRA, under direc-  
tion, BESSIE GAUNSON.  
Speaker: MRS. M. CALLAWAY MA-  
HOOD.  
ESTERLE MARK TRIO  
JOE BRENNAN AND IDA NEWTON.  
DOROTHY ROXBURGH, viols.  
NIBLO AND DORIS.  
Accompanist ..... AGNES FORTUNE  
Announcer ..... MAURICE DUDLEY
- FASHION TALK.
- 2 p.m.—STUDIO ORCHESTRA:  
"Bohemian Girl" (Belf).  
2.10 p.m.—ESTELE MARK TRIO:  
Song, "Moon Dear" (Neil Morst).  
Piano, "Grillen" (Schumann).  
Song, "The Little Damozel" (Ivor Novello).  
Violin, "Meditation from Thais" (Mas-  
senet).  
2.25 p.m.—"AU FAIT":  
"Fashion Talk."  
2.40 p.m.—STUDIO ORCHESTRA:  
"Songs Without Words" (Mendelssohn).  
2.46 p.m.—JOE BRENNAN, assisted by IDA  
NEWTON  
"Johnny and Girl."  
Sketch, "Lord, Lummy."  
Joe Brennan, "Dream Sequence from The  
Bells."  
Ida Newton, "Little Bit of Ribbon and a  
Little Bit of Lace."



- 4.4 p.m.—DOROTHY ROXBURGH, viola:  
"Rlegie," Op. 39 (Vieuxtemps).  
4.11 p.m.—NIBLO AND DORIS:  
Song, "Dippy."  
Grove Hall.  
Song, "Oulana."  
4.21 p.m.—STUDIO ORCHESTRA:  
"Eles's Dream," Lohengrin (Wagner).  
4.30 p.m.—MRS. M. CALLAWAY MANHOOD:  
"Art in Modern Life."  
4.45 p.m.—"Herald" news service.  
Stock Exchange information.  
5 p.m.—Close down.

## EVENING SESSION.

- Accompanist ..... ELSIE BRADSHAW  
4.40 p.m.—CHILDREN'S HOUR. Answers to  
letters and birthday greetings.  
4.50 p.m.—ESTELLE MARK TRIO will water-  
tain the children.  
5.3 p.m.—"BILLY BUNNY":  
"Tanglewood Tales."  
6.12 p.m.—ESTELLE MARK TRIO will play  
and sing for the children.  
6.49 p.m.—CAPT. DONALD MACLEAN:  
"How the Buccaneers Mustered at the Isle  
d'Avache for the sack of Panama."  
6.55 p.m.—"Argus" and "Herald" news ser-  
vice.  
Weather synopsis.  
Shipping movements.  
6.47 a.m.—Stock Exchange information.  
6.52 p.m.—Fish market reports, by J. K. Bor-  
rett, Ltd. Rabbit report.  
6.58 p.m.—River reports.  
6.58 p.m.—Market reports of fruit, by the  
Victorian Producers' Association, compiled  
by "The Fruit World," exclusive to B.I.O.

## NIGHT SESSION.

- Speaker: MR. H. C. WILSON.  
MR. H. H. OWEN.  
CAPTAIN CZECKO, SLAVAKION SOC-  
CER TEAM.  
MR. H. K. LOVE.  
"CARDIGAN."  
MR. C. J. WILLIAMS.  
THE STUDIO ORCHESTRA, under direc-  
tion of BESSIE GAUNSON.  
O'MARA & BURKE, Irish Entertainers.  
MADAME LAMBERT, soprano.  
ERNEST WILSON.  
JOE BRENNAN & IDA NEWTON,  
PAUL DE RAYONNE, tenor.  
"THE FUTURISTS."  
COLLINGWOOD CITIZENS' BAND, con-  
ductor, Mr. F. C. JOHNSTON.  
JOE ARONSON AND HIS SYNCO-  
PATING SYMPHONISTS.  
Accompanist ..... AGNES FORTUNE  
Announcer ..... ALFRED ANDREW.  
7.15 p.m.—Under the auspices of the Agricul-  
tural Department, MR. H. C. WILSON, farm  
manager, State Research Farm, will speak  
on: "Farm Buildings, Roads and Gates."  
7.30 p.m.—STUDIO ORCHESTRA:  
"Cavalleria Rusticana" (Mascagni).  
7.40 p.m.—O'MARA AND BURKE, entertain-  
ers, from the Emerald Isle:  
Anna Burke, "Mailbag" (Maunick).  
Chas. O'Mara, "Irish School Mistress,"  
recitation.  
Mistress—Anna Burke, Boy Scholar—Chas.  
O'Mara.  
Studio Orchestra, "Humoresque" (Dvorak).  
Chas. O'Mara, baritone, "Sweet Isle of  
Dreams" (Mool Hall).  
8 p.m.—COLLINGWOOD CITIZENS' BAND:  
Overture, "Diamond Star" (Greenwood);  
March, "Fori Lioenia" (J. O. Hume).  
8.15 p.m.—MADAME LAMBERT, soprano:  
"Romance" (Mignon).  
"Ouves les yeux bleu."



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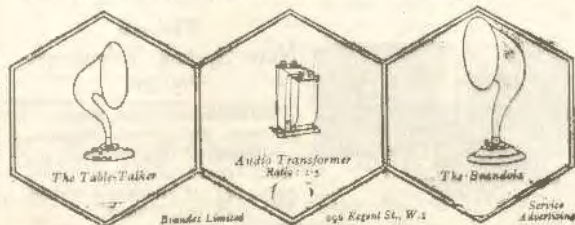
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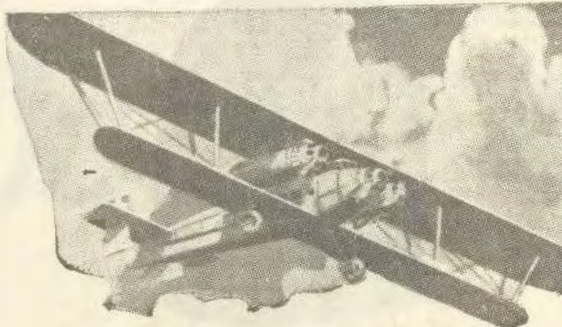
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S.-B.

- 8.37 p.m.—MR. R. H. OWEN introduces CAPTAIN of the CZECHO-SLOVAKION SOCCER TEAM.
- 8.42 p.m.—ERNEST WILSON:  
"Make of Mine" (Percy Elliott).  
"A Utto of the Old Boek" (W. H. Fquire).
- 8.42 p.m.—STUDIO ORCHESTRA:  
Selection, "TokuChic."
- 8.46 p.m.—JOE BRENNAN, assisted by IDA NEWTON:  
Ida Newton, "Pair of Liers."  
Joe Brennan, "I Couldn't Help It, Could I?"  
Joe Brennan, "Playing the Game in the West."
- 8.44 p.m.—MR. H. K. LOVE:  
"Technical Talk."
- 9.4 p.m.—COLLINGWOOD CITIZENS' BAND:  
Selection, "Recollections of the Masters" (Rimst).  
9.14 p.m.—PAUL DE RAYONNE, tenor:  
"Rose Marie" (Hammerstein).  
"For You Alone" (Gersh).
- 9.20 p.m.—"CARDIGAN"—MR. H. R. WOLFE, sporting editor of the "Argus" and "Australasian," will speak on Saturday's race.
- 9.30 p.m.—JOE BRENNAN, assisted by IDA NEWTON:  
Joe Brennan, "He's a Jolly Good Fellow."  
Ida Newton, "Waiting for Something to Happen."  
Joe Brennan, "Hungarian Band and Parade."
- 9.44 p.m.—COLLINGWOOD CITIZENS' BAND:  
Waltz, "Cornflower and Poppies" (Greenwood).
- 9.54 p.m.—"Argus" news service.  
Brush official wireless from Barbis.
- 10.4 p.m.—THE FUTURISTS present their Nadie Revuette, "Radio Revels."  
The Company are pleased to greet you again. A Sketchette of the Eternal Triangle.
- SQUARING THE TRIANGLE.  
The Wife, Ira Vanda.  
The Husband, Cyril Northcote.  
The Lover, Gus Dawson.  
IRA VANDA will now sing, "When Autumn Leaves are Falling."  
CYRIL NORTHCOTE explains to DEBBY the history of GEORGE WASHINGTON A FINALE by the Company.
- 10.30 p.m.—MR. C. J. WILLIAMS discusses Wrestling and Wrestlers.
- 10.32 p.m.—ERNEST WILSON, baritone:  
"Border Ballad" (Cowen).  
"Harlequin" (Wilfred Sanderson).
- 10.42 p.m.—COLLINGWOOD CITIZENS' BAND:  
Intermarry, "Sanctuary of the Heart," with voice soloist.  
Soloist, H. Von.
- 10.50 p.m.—Meteorological information.
- 11 p.m.—OUR GREAT THOUGHT:  
"If I have enough for myself and family, I am steward only for myself; if I have more, I am but a steward of that abundance for others."—George Herbert
- 11.1 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS:  
"By the Sign of a Rose" (Fields).  
"Sunday" (Miller).  
"Hello, Little Girl of My Dreams" (Berk).  
"Hello, Aloha" (Bauer).  
"The Original Black Bottom" (Henderson).  
"Am Em My Way Home" (Berlin).  
"Let's All Honor Ford" (Lentley).  
"Ruffenreddy"—Piano solo (Bargy).  
"The More We are Together" (Campbell).  
"Mary Lou" (Lyman).  
"Sing A Line"—Waltz of the Bells (Britt).  
"Baby Face" (Akk).  
"Somebody's Lonely" (Davis).  
"A Cup of Coffee, a Sandwich, and You" (Meyer).  
"Just a Bird's Eye View" (Donaldson).  
"Just One More Kiss (Owens).
- 11.40 p.m.—GOD SAVE THE KING



## 4QG, BRISBANE

Friday

## MIDDAY SESSION.

- 1.0 p.m.—Market Reports: Weather Information, "The Daily Mail" and "The Daily Standard" News.  
 1.20 p.m.—From Hotel Carlton: Lunch Music played by Hotel Carlton Symphony Orchestra.  
 1.35 p.m.—From the Observatory: Standard Time Signal.  
 2.0 p.m.—Close Down.

## AFTERNOON SESSION.

## Y.W.C.A. ANNUAL FAIR.

- The Young Women's Christian Association's "Old English Faire" will be held in St. Andrew's Hall, Creek Street.  
 The opening ceremony will be performed by Mr. James Allen.  
 During the afternoon a description of the faire will be broadcast, and a musical programme will be provided.  
 2.35 p.m.—From St. Andrew's Hall: Y.W.C.A. Old English Faire.  
 4.15 p.m.—From the Studio: "Telegraph" News.  
 4.50 p.m.—Close Down.

## EARLY EVENING SESSION.

- 6.0 p.m.—"Daily Standard" News: Weather Information: Announcements.  
 6.30 p.m.—Bedtime Stories, by "The Sandman."  
 7.0 p.m.—Market Reports: Stock Reports.  
 7.30 p.m.—Weather News: Announcements.  
 7.45 p.m.—Standard Time Signal.

## NIGHT SESSION.

## W.E.A. MUSIC CLASS.

The Workers' Educational Association's Tutorial Classes in Music are being held this season in the Reception Hall at 4QG, and are being conducted by Mr. George Sampson (Musical Advisor, Department of Public Instruction; Lecturer in Music, Teachers' Training College).

The object of holding the classes at 4QG is to broadcast both the lectures and the music, and so make available to a large audience the educational matter placed before the students. The classes will extend over a period, and will be held each Friday night.

The ordinary lectures 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.

The following artists will illustrate Mr. Sampson's lecture to-night: Miss Vada Jefferies (first violin), Miss Larwill (second violin), Miss Gwen de Grant (viola), Miss Mary Jefferies (cello), Miss Collidge (piano).

7.45 p.m.—From the Reception Hall: W.E.A. Music Class.

9.0 p.m.—Work-and Road Information for Motorists officially supplied by the Royal Automobile Club of Queensland.

9.15 p.m.—SILKSTONE APOLLO CLUB:  
 The second portion of the programme will be provided by the Silkstone Apollo Club conductor, Mr. T. Westwood. Male Chorus, "Sailors' Chorus" (from "Faust"—Gounod). SILKSTONE Apollo Club; tenor solo, "Mary of Argyle" (Noësen), Mr. T. Westwood; male chorus, "Softly, Softly Over the Sea" (Peverini). Apollo Club; eleventh hour item, selected, Mr. D. Owen; male chorus, "The Volga Boatmen's Song" (Granville Bantock), Apollo Club; baritone solo, "My Wishes for You" (Marah Little).

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SYDNEY

Mr. A. Little, pianoforte solo, "Serenade" (Schubert), Apollo Club; singing ("Ballad", Apollo Club; duet, "Life Dream is Over, Farewell" (Ascher), Messrs. A. Wilson and C. Jones, solo, "Lay Me Head Buried in a Rose" (Foster), Mr. A. Elliott, male chorus (4), "In the Evening" (1) "I Don't Care So Much About the Sunshine", Apollo Club; bass solo, "The Windmill" (Lalage), Mr. V. Morris, solo, "Land of the Long Ago" (Lalage), quartette party, male chorus, "Crumpets" (Protheroe), Apollo Club.

10.6 p.m.—From the Studio. "The Daily Mail News"; Football News; Weather News; Close Down.

## Saturday, May 21

### 2FC, SYDNEY

#### MIDDAY AND AFTERNOON SESSION.

10 noon—"Big Ben" and programme of news items.  
 10.5 p.m.—Stock Exchange information.  
 12.4 p.m.—Official weather forecast, rainfall, temperatures, astronomical observations, shipping intelligence, rapid services.  
 12.15 p.m.—Studio music.  
 12.25 p.m.—A talk on gardening by Mr. G. J. Lackey ("Robson").  
 12.40 p.m.—Studio music.  
 12.45 p.m.—"Sydney Morning Herald" news articles.

12.50 p.m.—Early wireless news.  
 1 p.m.—"Big Ben" Weather Intelligence.  
 1.3 p.m.—"Evening News" midday news service.  
 1.28 p.m.—Studio music.

NOTE: Racing events in connection with Tattersall's Club Meeting will be described from the Course at Randwick by the 2FC Racing Commentator.

During racing intervals musical items from the studio will include Mr. Cliff Arnold, Nipper's Band.

The new Wentworth Symphonic Brass Orchestra, under the baton of Mr. Frederick Leighton, will also be heard at intervals from 2 p.m. to 3 p.m.

3.30 p.m.—A complete resume of all sport, sea and racing events.

5 p.m.—"Big Ben." Close down.

#### EARLY EVENING SESSION.

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

6.50 p.m.—A social story for the older age.  
 "Daxie's Big Brother."

6.40 p.m.—Dinner music.

7 p.m.—Late sporting information.

7.15 p.m.—Weather Intelligence.

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

7.35 p.m.—Studio music.

#### NIGHT SESSION.

7.45 p.m.—Programme announcements.  
 7.50 p.m.—Studio music.

8 p.m.—"Big Ben." The 2FC Dinner Band, conducted by Mr. Eric Pearce, and assisted by the piano trio, Messrs. Len Mantle, 8.8 p.m.—The Ruffin Revels, introduced by St. Lawrence Hallbert, sing their special chorus.

8.10 p.m.—Miss Gladys Fumister, soprano. "You're not your Mother's Fool" (Bramm).

8.18 p.m.—Mr. Frank Leonard, entertainer. "My First Football Match" (Leonard).

8.17 p.m.—Mr. Sydney Jones, "The Welsh Rhapsody" and Miss Gladys Byrnes in a musical novelty.

8.22 p.m.—Miss Peggy Pear, soprano. "Meadow Lark" (Florita).



- 8.30 p.m.—The 2FC Dance Band and the popular baritone, Mr. Leo Maurice.  
 8.32 p.m.—Mr. Bus Gurling in a radio burlesque.  
 8.37 p.m.—Miss Gladys Finister, soprano: "You will never grow old" (Drummond).  
 8.40 p.m.—Miss Eileen Boyd, contralto.  
 8.44 p.m.—Mr. Wally Baines, comedian.  
 8.47 p.m.—The 2FC Dance Band, conductor, Mr. Eric Pearce.  
 8.50 p.m.—Mr. Frank Leonard, entertainer: "A startling proposal" (Leo-Webster).  
 9 p.m.—Miss Kitty Poole, male impersonator: (a) "Now I ask you is that nice?" (Mishell).  
 (b) "No Money" (Rule).  
 9.4 p.m.—Mr. Sydney Jones, and Miss Gladys Baines, entertainers.  
 9.10 p.m.—Miss Gladys Finister, soprano: "Summer Rain" (Willoughby).  
 9.14 p.m.—The 2FC Dance Band.  
 9.20 p.m.—Mr. Wally Baines, comedian.  
 9.24 p.m.—Mr. Frank Leonard, entertainer: "Pine old English Gentleman" (Newman).  
 9.28 p.m.—The 2FC Dance Band.  
 9.31 p.m.—Miss Gladys Finister, soprano: "Rose in the Bud" (Paster) (request).  
 9.39 p.m.—Mr. Sydney Jones "The Welsh Rabbit," and Miss Gladys Baines, entertainers.  
 9.44 p.m.—Miss Eileen Boyd, contralto.  
 9.52 p.m.—Mr. Wally Baines, comedian.  
 9.56 p.m.—The 2FC Dance Band.  
 10 p.m.—Miss Peggy Post, courtesan: (a) "I Want You" (Hagen).  
 (b) "Kentucky's Wax."  
 10.12 p.m.—Mr. Bus Gurling in a humorous interlude.  
 10.18 p.m.—Miss Eileen Boyd, contralto.  
 10.29 p.m.—Mr. Frank Leonard, entertainer: "That's what girls are for" (Leo-Webster).  
 10.34 p.m.—The 2FC Dance Band and the popular baritone, Mr. Leo Maurice.  
 10.36 p.m.—Miss Kitty Poole, male impersonator.  
 (a) "My Pal Jerry" (Rose).  
 (b) "Swimming Hole" (Wilson).  
 10.39 p.m.—The 2FC Dance Band.  
 10.46 p.m.—Late sporting news and announcements.  
 10.48 p.m.—The 2FC Dance Band in popular numbers until 11 o'clock.  
 11 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY: The New Wentworth Symphonic Dance Orchestra, Conductor, Mr. Frederick Lightfoot.  
 11.45 p.m.—National Anthem.  
 Close down.

## 3LO, MELBOURNE

Saturday.

### MORNING SESSION.

- THE STUDIO ORCHESTRA, under direction of BESSIE GAUNSON.  
 ST. AUGUSTINE'S BAND, Bandmaster, MR. F. JONES.  
 Speakers:  
 CAPT. DONALD MacLEAN, "MUSKET," of "Sporting Glean."  
 GRACE AND KEATS.  
 DOROTHY ROXBURGH, Viola.  
 O'MARA AND BURKE, Entertainers from the emerald Isle.  
 NIBLO AND DORIS.  
 IRISA NAVARETTI, Soprano.  
 FRANK AND FRANCIS LUIZ, Announcer..... MAURICE DUDLEY  
 Accompanist..... AGNES FORTUNE  
 11.9 a.m.—STUDIO ORCHESTRA.  
 "The Evening Show" (Norman Lenzke).  
 11.16 a.m.—GRACE AND KEATS.  
 "Pierrot, Pierrot and a Piano."  
 11.17 a.m.—DOROTHY ROXBURGH, Viola.  
 "Slumber Song" (Hansen).  
 "Liebald."  
 11.24 a.m.—STUDIO ORCHESTRA.  
 Selection, "From the Highlands" (Otto Langey).



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When you see a capacity in amp-hours printed upon a P. & R. Battery, then you know it's the capacity. It isn't what somebody thought it might be; it isn't optimism; it isn't an oh-so-hopeful "intermittent" rating; it's capacity: honest-to-goodness valve burning capacity.

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And, other things being equal, it costs no more than the other kind.

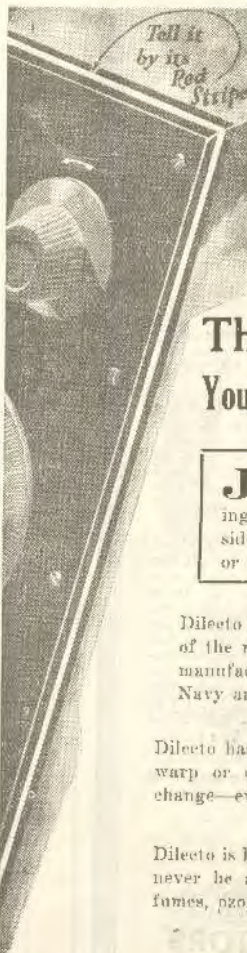
**P & R**  
AND  
PETO & RADFORD  
**ACCUMULATORS**  
(The beginning and the end in)  
**{POWER}**

17

DIRECT FACTORY REPRESENTATIVE

**JOHN ARNOLD**  
DELGAVES BUILDING

DELGAVES STREET, MELBOURNE



# Dilecto

(dist. in its Red Stripes)

Cut to any size and Engraved to Order.

**This Red Stripe tells  
You it's the Perfect Panel**

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

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

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

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(Late O'Brien and Nicholl),

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

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

- 11.34 a.m.—O'MARA AND PURKE, date-timers from the Emerald Isle.  
Anna Burke, "The smile of Mollie Malony" (Elli McKeown).  
Chas. O'Mara, "Will you catch you,"  
Stella O'Connell, "The Broken-Hearted Sparrow" (Pardio).  
Chas. O'Mara, Hariton, "Mr. Pat O'Hara" (E. Ball).
- 11.44 a.m.—STUDIO ORCHESTRA,  
"Floods of Spring" (Hammannoff).
- 12 noon—Time Signal; British Official Wire News from Murray; Reuters' and the Australian Press Association (Oakes); "Arms" and "Hermit" News Service.
- 12.20 p.m.—STUDIO ORCHESTRA,  
"Hail! Music from William Tell" (Boschi).  
12.30 p.m.—MILLO AND BORIS,  
"Royal Procession"  
Song, "Old King"  
Monologue, "Should be Mine"
- 12.40 p.m.—Stock Exchange Information.
- 12.50 p.m.—SISCA NAVARETTI Soprano,  
"The Franchetta" (Fuchsberg).  
"Softly Sings" (Webster).
- 12.57 p.m.—ST. AUGUSTINE'S BAND,  
Overture, "Danzonic" (Sutto).
- 1 p.m.—FRANK AND FRANCIS LUIZ,  
Duet, "My Love Girl"  
Song, "Tell Me Little Thing"  
Steel Guitar, "Kallina Waltz."
- 1.17 p.m.—Weather Report.
- 1.22 p.m.—SISCA NAVARETTI Soprano,  
"Woods in the Forest" (C. Thomas).  
Waltz Song, "Southern Maid" (C. Thomas).  
1.29 p.m.—CAPTAIN DONALD MACLEAN,  
Morden News from Treasure City of Panama.
- 1.46 p.m.—ST. AUGUSTINE'S BAND,  
Selection, "Maid of the Mountains" (Sinton).
- 2 p.m.—Description of the KOROROTI HURDLE, Williamstown Races, by "Musket" of the "Sporting Globe."
- 2.5 p.m.—Close Down.

## AFTERNOON SESSION.

- JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
- 2.35 p.m.—Description of the ENCOURAGE STAKES, Williamstown Races, by "Musket," of the "Sporting Globe."
- 2.45 p.m.—LEAGUE FOOTBALL, SOUTH MELBOURNE v. COLLINGWOOD, transmitted from South Melbourne by Rod McGreggor.
- 3.3 p.m.—Description of the BAY VIEW HANDICAP, Williamstown Races, by "Musket," of the "Sporting Globe."
- 3.10 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS,  
"Rhapsody" (Malle).  
"Eve, Eve, Blackbird" (Dixon).  
"To Night's My Night With Halcyon."
- 3.15 p.m.—LEAGUE FOOTBALL, SOUTH MELBOURNE v. COLLINGWOOD, Quarter Time, Resume, by Mr. Rod McGreggor.
- 3.25 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS,  
"To Night's My Night With Baby" (Meyer).  
"Half A Moon Is Better Than No Moon" (Reynolds).  
"Idolising" (West).  
"In A Little Spanish Town" (Wayne).  
"Me Too-Ho, Ho-Ha, Ha" (Brown).
- 3.40 p.m.—Description of the AUTUMN STEEPLE, Williamstown Races, by "Musket," of the "Sporting Globe."
- 3.45 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS,  
"Hi, Ho, the Merriro" (Woods).  
"I've Been Waiting My Dreams Over You" (O'Hagan).  
"Take In The Sun, Hang Out the Moon" (Woods).  
"That's Why I Love You" (Donaldson).  
"I'm Longing For You" (Bachawak).
- 4.0 p.m.—LEAGUE FOOTBALL, SOUTH MELBOURNE, v. COLLINGWOOD, Half Time, resume, by Mr. Rod McGreggor.
- 4.15 p.m.—Description of the GELIBRAND HANDICAP, Williamstown Races, by "Musket," of the "Sporting Globe."



- 4.29 p.m.—JOE ARONSON AND HIS SYNCOFATING SYMPHONISTS.  
"The Blackbird Owns The Village Now"  
(Mubbs).  
"Kentucky Lullaby" (Miller).  
"There Ain't No Maple In My Baby's Eyes"  
(Kahn).  
"The God, The Girl" (Donaldson).  
"You've Got to Black Shuffle" (Sparks).
- 4.37 p.m.—LEAGUE FOOTBALL. SOUTH  
MELBOURNE v. COLLINGWOOD. Three-  
quarter time, by Mr. Rod. McGregor.
- 4.45 p.m.—Description of the BEACH WEL-  
TER, Willamstown, Kansas, by "Musket,"  
of the "Sportsman Club."
- 4.58 p.m.—"Herald" News Service; Stock  
Exchange Information.
- 5.0 p.m.—LEAGUE FOOTBALL. SOUTH  
MELBOURNE v. COLLINGWOOD. Final  
Score, resume, by Mr. Rod. McGregor.
- 5.15 p.m.—Close Duets.

## EVENING SESSION.

- Accompanist: ELSIE BRADSHAW
- 5.45 p.m.—"GILBERT'S" HOUR. Answers to  
letters and hints; readings.
- 5.55 p.m.—EILEEN STARR, Soprano.  
"Robb's Song" (Howard White).  
"Blackbird Song" (Cyril Scott).
- 6.2 p.m.—"LITTLE MISS KOOKARURRA."  
will tell what lessons of "Fanny" will  
be cut caught in the neck bag.
- 6.12 p.m.—EILEEN STARR, Soprano, will  
sing two more little songs for the children.
- 6.19 p.m.—"LITTLE MISS KOOKARURRA,"  
will tell her Pumper "Kookarurraettes,"  
more about  
"The Cruise of the Racy Janna."
- 6.35 p.m.—"Aero" and "Herald" News Ser-  
vices; Weather Information; Aerial Mail  
Information, by the Australian Aerial Ser-  
vices, Ltd.
- 6.47 p.m.—Stock Exchange Information: Over-  
seas Shipping.
- 6.53 p.m.—Fish Market Reports, by J. R.  
Barrett, Ltd.; Rabbit Pries.
- 6.55 p.m.—Market Reports by the Victorian  
Producers' Co-operative Co., Ltd.; New-  
market Sheep Sales; Potatoes and Onions;  
Fruit Market Reports, by the Victorian  
Wholesale Fruitlers' Association, compiled  
by the "Fruit World," exclusive to M.O.

## NIGHT SESSION.

## Speakers:

- MR. F. SIMMS, MR. E. E. PRESCOTT, DR.  
J. A. LEACH, MR. NORMAN McCANCE,  
MR. A. W. JACKSON.
- ST. AUGUSTINE'S BAND.  
Band Master: MR. F. JONES.  
JOE ARONSON AND HIS SYNCOFATING  
SYMPHONISTS.
- ESTELLE MARK TRIO.  
MADAME LAMBERT, Soprano.  
RAYMOND LAMBERT, Piano.  
FRANK AND FRANCIS LUIZ.  
THE FUTURISTS.  
SYD. EXTON.  
EILEEN STARR.
- Announcer: ALFRED ANDREW  
Accompanist: AGNES FORTUNE
- 7.15 p.m.—MR. E. SIMMS, Secretary Com-  
monwealth Railways, will speak on  
"Uniform Gauge for Australian Railways."
- 7.30 p.m.—MR. E. E. PRESCOTT, will speak  
on "Australian Mistletoes and Other Para-  
sites."
- 7.45 p.m.—DR. J. A. LEACH, will speak on  
"Robber-gulls and Oyster Catchers."
- CLASSICAL.  
8.0 p.m.—ST. AUGUSTINE'S BAND.  
Selection, "Lucia di Lammermoor" (Bon-  
zetti).
- 8.70 p.m.—ESTELLE MARK TRIO.  
Song, "Old English Songs."  
Piano, "Mazurka" (Schumann).  
Song, "Singsaw Love Song" (Allison  
Trevel).
- Violin, "Shepherd's Dance" (German).
- 8.25 p.m.—ST. AUGUSTINE'S BAND.  
National Song, "Oh, Favored Isle" (James).  
March, "Pachinello" (Ritzner).  
"Russian Cradle Song" (Klein).

At last new shipments have arrived.

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### A LONG FELT WANT NOW FILLED

The Balkite Trickle Charger may be connected to any 6 volt radio "A" battery of 30 ampere hour capacity or more and left permanently on charge. This is known as trickle charging. Used in this manner, it automatically keeps the "A" battery always at full charge. It converts your "A" battery into a permanent "A" power unit that operates from the light socket and furnishes full current to the "A" circuit at all times.

With any smaller battery (4 volt or small 6 volt) this charger may be used as an intermittent charger of the usual type. Wherever a low-priced charger is wanted it has no superior. When used in connection with the low-capacity batteries offered by leading manufacturers it makes possible a most

economical installation for sets now using dry cells.

With small batteries this charger can also be used as a trickle charger if a resistance is added to cut down the charging rate to the needs of the set.

When used as a trickle charger, as an added convenience, some owners add a switch, which cuts out the charger during operation. Switches of this type also turn on Balkite "B" when the set is turned on, thus providing an entirely automatic current supply for both circuits.

The Balkite Trickle Charger is 5½ inches long, 2½ inches wide, 5 inches high. It may be put in the usual dry cell compartment. Charging rate, 4 to 5 amperes. Current consumption, 1/10c per hour. Operates from 220-240 AC 50 cycle current.

Only £4 - 7 - 6

## The Balkite Trickle Charger



Provides "A" current from the light socket

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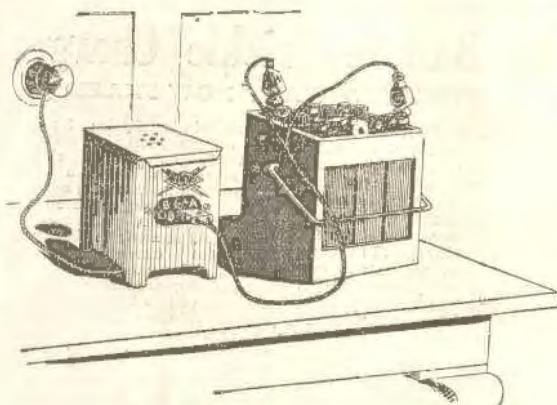
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8.05 p.m.—MADAME LAMBERT, Soprano,  
"Rondeau de Coeur."  
"Procession" (Frank).

8.12 p.m.—RAYMOND LAMBERT, Piano,  
"Festivals et Caprices" (Scarlatelli),  
March, "Lucas" (Mauri).  
"Jeune d'eau" (Havell).

8.55 p.m.—ST. AUGUSTINE'S BAND,  
Overture, "Martha" (Flotow).

9.3 p.m.—MADAME LAMBERT, Soprano,  
"Arioso Delibes."

9.12 p.m.—VAUDEVILLE—FRANK AND  
"MANGIS LUIZ Hawaiian Entertainers,  
Duets, "On The Beach at Waikiki."  
Song: "I Want Your Love."  
Steel Guitar, Walter Medley, "Mary Lou."  
Song: "A Song to Hawaii."

9.25 p.m.—JOE ARONSON AND HIS SYN-  
COPATING SYMPHONISTS,  
"Moonlight on the Gangs" (Wallace),  
"Some Other Bird Whistled a Tune"  
(Byron).

9.55 p.m.—"THE FUTURISTS," present their  
Radio Revue.

### BITS AND PIECES.

The Company bring an OPENING CHORUS,  
A Ten Shop Burlesque: TEA SHOP TATTLE,  
The Waitress ..... IRA VANDA  
The Weary Waiter ..... G. W. DESMOND  
The First Customer ..... GUS DAWSON  
The Second Customer, CYRIL NORTHCOTE  
DISMAL, DESMOND, in a few moments  
comedy.

IRA VANDA will sing "Waiting for the  
Moon."

CYRIL NORTHCOTE tells DESSY his ex-  
periences when hunting his "game in Africa."  
THE COMPANY decide that "It's a Won-  
derful World After All."

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

10.10 p.m.—ST. AUGUSTINE'S BAND,  
Intermezzo, "Under the Palms" (Rimsky),  
"Oh, Favored Land" (Janada).

10.15 p.m.—EILEEN STARR, Soprano,  
"The Lilac Tree" (Garland),  
"She Is Far From The Land."

10.22 p.m.—ST. AUGUSTINE'S BAND,  
Selection, "Pirates of Penzance" (O'Well-  
lan).

10.30 p.m.—BYD EYTON, Tenor,  
"Landscape Love Song" (Brube),  
"Vale."

10.37 p.m.—MR. A. W. JACKSON will guest  
on "To-day's Glee."

10.42 p.m.—EILEEN STARR, Soprano,  
"Irish Folk Song."  
"The Waters of Minnetonka."

10.48 p.m.—MR. NORMAN McCANCE will  
give a short description of to-night's wear-  
ing.

10.53 p.m.—Meteorological Information An-  
nouncement.

11.0 p.m.—OUR GREAT THOUGHT,  
"We cannot expect the deepest friendship  
unless we are willing to pay the price, a  
self-sacrificing love."  
—PELOURET.

11.1 p.m.—JOE ARONSON AND HIS SYN-  
COPATING SYMPHONISTS,  
"Moonlight on the Gangs" (Wallace),  
"Some Other Bird Whistled a Tune"  
(Byron).

"While the Years go Drifting By" (Kahn),  
"Clap Hands, Here Comes Charlie" (Meyer),  
"How Could Red Riding Hood" (Randolph),  
"Mignonette" (Nebola),  
"It Made You Happy" (Donaldson),  
"Sweetie" (Prizma).

"Coax" The Piano, Flano Solo (Gontzer),  
"Meadow Lark" (Florent),  
"Stepping in Society" (Akst),  
"Calm Hawaiian Song" (Green),  
"You Need Someone To Love" (Green),  
"Hi, Ho, the Merrie" (Brown),  
"St. Louis Blues" (Handy),  
"I Want A Pardon for Daddy" (Rost),  
"That's My Girl" (Davis),  
"By the Waters of Minnetonka" (Lieutenant)  
"On The Riviera" (Klich).

11.48 p.m.—GOD SAVE THE KING.



## 4QG, BRISBANE

Saturday

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

1.25 p.m.—Tune-in.  
 1.30 p.m.—A Matinee for Little Listeners by "Miss Warulah."  
 1.40 p.m.—Close Down.  
 2.00 p.m.—EARLY EVENING SESSION.  
 2.30 p.m.—Bedtime Stories by Uncle Ben and Uncle Jim.  
 7.15 p.m.—Racing Results.  
 7.30 p.m.—Today's Football Play Described.  
 7.50 p.m.—Selling Notes by Mr. P. Smith.  
 7.55 p.m.—"Zoning and Public Utilities" by Mr. R. A. McInnis (Chairman, Executive Committee, Town Planning Association of Queensland).

NIGHT SESSION.  
 VIOLIN RECITAL.

The whole of to-night's programme will comprise a recital arranged by Mr. Luis Amadeo Perez and relayed from "The Hall of the Muses."

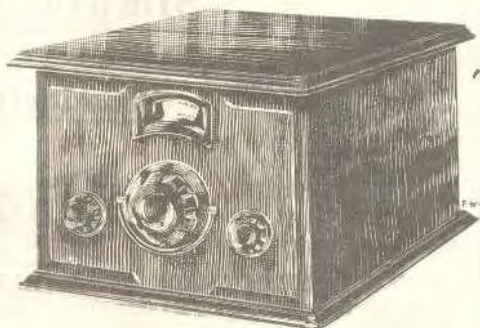
8.0 p.m.—From the Hall of the Muses: Piano forte solo, "Pavane Impromptu" (Chopin); Miss Gertrude Anderson, violin duet (by request), "Mirage in G" (Beethoven); Muzes, Tom Wilsons and Luis A. Perez, song, "Santare" (Graded); Madam Bolow; violin solo, first movement from "Concerto in E-Minor" (Mendelssohn); Miss Marion Wilson; song, selected, Mr. Tom Colledge; violin duet, "Link Dying" (Pachelbel); Muzes, Tom Wilsons and Luis A. Perez, story-telling number, "The Call of the Bush" (Marval); Mr. H. R. Hiceon; story-telling item, selected, Mr. Phillip O'Brien; tenor, violin solo, "Oberon" (Weintraub); Mr. Eddy Rausch; song, selected, Mr. H. Engelhardt; violin and flute duet, "Serenade" (Gounod); M. Luis Amadeo Perez and Mrs. W. J. A. Gray; song, "Vivinelle" (Del Arna); Madam Bolow; violin solo, "O Solo Mio," Miss Pauline Lombardi; instrumental and vocal duet, "The Aunt House" (Mr. and Mrs. Dell); violin solo; (a) "Minuet in E-Flat" (Beethoven); (b) "Spanish Serenade" (Chaminade); (c) "Les Aragonais" (Brazzato); Mr. Luis A. Perez; solo, selected, Mrs. Gunderson.

During the evening the main races at the Speedway will be described.  
 10.0 p.m.—From the Studio: "The Sunday Mail"; Weather News; Close Down.

ARRANGEMENTS have been completed by 4QG for the relaying of orchestral music and vaudeville turns at regular intervals from the new Tivoli Theatre.

4QG WILL broadcast the final session of the Windsor Eisteddfod on May 23, thereby extending the interest of this commendable institution to its large range of patrons. The session will comprise mostly choral work.

A NEW FEATURE in bedtime stories at 4QG will be broadcast shortly, when the session will be relayed from Uncle Jim's home at Greenlopes. The microphone will be installed in the room in which Uncle Jim's kiddies are put to "bye, bye," and before the children tumble off to bed, musical items and stories will be given. On the occasion, Uncle Jim says, Tony, his worthy steed, will be permitted to put his head through the window, in order to view the proceedings.



## 5-VALVE "MAGNAVOX"

for £4 deposit

For £4 you may take delivery of this fine "Magnavox." There are no extras to buy. It is equipped with one-dial control. With this there is no need for specialised technical knowledge to tune in. Simply turn the dial with one hand and hear any Australasian broadcasting station working on short wave length. The set is ready to instal. Accessories are high-grade. They include Speaker, 6-volt Accumulator, 5 "MAGNAVOX" Valves, 2 45-volt "B" Batteries, 1 22-volt "C" Battery, 1 Grid Battery and Aerial Equipment. The price is £40 cash, but you may take delivery on payment of £4—the balance at 15/6 per week—you enjoy it every day in the week for less than the cost of one evening at the theatre. Payments extend over one year.

Test the "MAGNAVOX" yourself at our Radio Dept., 22 York Street. Mr. Basil Cooke, F.H.A.S., is there, and he will be pleased to advise you personally or by letter concerning any radio problems.

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Requirement for Anode Resistance is ability to carry the normal anode current of the valves for prolonged periods without overheating and without change in resistance value.

Dubilier Anode Resistances are all tested off a D.C. voltage of 200 volts. Supplied, complete with holder, in all resistances from 20,000 to 100,000 ohms.

Price 9/-



### DUBILIER MANSBRIDGE CONDENSERS.

A special Condenser of the Mansbridge Pattern, designed for "by-pass" work ranging up to 2 m.f.d. capacity and tested to 300 v. D.C. Attractively designed and very compact. Fitted with terminals and tinned lugs for making connections. The base has two projecting pierced lugs for affixing to sub-panel or base board. Carries the usual Dubilier guarantee.

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Losses in the condensers are extremely detrimental to the proper functioning of the apparatus.

The Type 600 Dubilier Condenser illustrated is constructed with Mica and is enclosed in a moulded insulating case which carries the terminal connections so that the highest insulation is secured.

This condenser will withstand the application of a testing voltage of 1,000 volts.

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