

WIRELESS WEEKLY

Broadcast Programmes a Week in advance

VOLUME 10

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

NUMBER 1



Radio could have saved the "Riverina"!

Friday, April 29, 1927.

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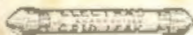
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WIRELESS WEEKLY

VOL. 10, No. 1.

FRIDAY, 29th APRIL, 1927.

Not Long Ago

FIVE years ago last week the first Australian wireless journal made its appearance in Sydney.

The world at large did not acclaim the fact, but then, it was at a time when the world largely doubted the existence of wireless, much less "Wireless Weekly." There was no broadcasting; radio had recently entered the era of 'phone transmission, leaving behind the days of dots and dashes. There were still people who had not heard or read of radio and many who believed that wireless was witchery.

When we look back upon those days, not so long ago, we can but amaze at the marvellously short time in which human nature, having accepted a new product of science with doubt, suspicion, and awe, becomes indifferent to its appeal. The rapid advance of science leaves behind landmarks whose very profusion causes them to become old with astonishing suddenness.

The first issue of "Wireless Weekly" was undoubtedly a landmark in the progress of radio. The 1927 radio enthusiast turning over its eight pages would be both astonished and amused at the primitive stage of wireless development in those days. Nevertheless, the matter it contained was eagerly read by the few hundred pioneers, most of whom to-day constitute the foremost of our amateur and professional experimenters; to them it signified that radio supporters had at last found their own voice.

And the incessant clamour of that small voice did what many individual enthusiasts failed to do; it drew the attention of the world at large to the commercial possibilities of broadcasting; the journal itself being a convincing argument that the new science was to be taken seriously.

Many competitors arose against "Wireless Weekly," only, however, to pass out when the boom became a slump, leaving this journal in control of the only other radio magazine of its kind in Australia.

In those early days, "Wireless Weekly" was devoted exclusively to the cause of amateur radio, but with the widespread popularity of broadcasting it became the broadcast listeners' journal, as it remains to-day. Amateur experimenters have increased in large numbers since then, and there has arisen a new type, midway between an experimenter and a broadcast listener—a dabbler whose hobby is radio.

And so five years after the establishment of the first wireless magazine in Australia another journalistic landmark is to be made—the publication of "Radio" in a reorganised form, to meet the amateur experimenter's and the hobby man's demand for an advanced journal—a landmark signifying that radio has now settled down to a steady advance, unaffected by the appeal of novelty. Watch the book-stalls during the first week in May.

Between You And Me And The Microphone

Conducted by Jack Plugge



AS IN THE CASE of the Melbourne Cup, when many picture showmen throughout New South Wales installed radio sets so that their patrons could hear the broadcast description of the great race, numbers of showmen are making similar provision for May 9, when commencing at noon, the Duke of York will officially open Federal Parliament House, Canberra, and Dame Nellie Melba will sing the National Anthem as part of the proceedings. Many schools also will have radio sets working on May 9.

NOT ONLY WILL Dame Nellie Melba be heard by radio listeners from Canberra on May 9, but later she will broadcast again. In a letter to Mr. N. S. Gilmour, chairman of the Radio Broadcast Bureau, Mr. John Lemmon says: "Dame Nellie wishes me to say that after our tour is over we intend giving special broadcasting programmes." It is reported in the radio trade that already business has felt a strong impetus owing to persons obtaining radio sets in anticipation of hearing Melba.

IN 1901, when the then Duke of York (now King George V.) visited Australia, wireless was practically unknown. It was decided, however, with the meagre facilities available that Australia should welcome by wireless its distinguished visitors. A small set was erected at the Signal Station at Point Lonsdale, Port Phillip Heads—and an aerial was swung from the flag pole. As the steamer "Ophir" carrying the Royal party approached the coast, a call was made, but it was not until the steamer's smoke was dimly visible in the distance that communication was established between ship and shore.

At that time a little boy of three years lived at the Point Lonsdale lighthouse and witnessed the unique transmission. That same small boy (now a grown man) this month directed the technical arrangements for the transmission from 4QG during the recent Royal visit.

2UE NOW OPERATES daily, except Sundays, from 7.15 to 8.15 a.m., giving the weather report at start and finish of the session. The usual evening sessions will be continued as follows: Tuesdays, 9 to 11.15 p.m.; Thursdays, 9 to 11.15 p.m.; Sundays, 8 to 11.15 p.m.

A FEW FACTS ABOUT THE BEAM SYSTEM.

The speed of transmission in each direction ranges from 500 to 2,000 per minute according to the pressure of business.

Taking the circuit as a whole, its working speed, therefore, is from 1,000 to 4,000 letters per minute, higher than any other long distance telegraph service in the world.

The total capacity of the Australian Beam centre is equal to two hundred million words per annum. During one portion of the 24 hours the Beam is directed to and from England by the northwest route from Australia and during the other portion of the 24 hours it is sent in the opposite direction by the south-east route from Australia.

The site of Beam transmitting plant at Ballan occupies 450 acres and is 1,450 ft. above sea level.

Each transmitting and receiving station has three masts 650 feet apart and 250 feet high.

Each mast weighs 50 tons, the total weight of all aerial gear for receiving and transmitting stations is 600 tons.

Although cable rates between England and Australia have been reduced during the past twelve months the rates for the Beam are one-third less than the cable rates existing on January 1.

Weekend telegrams via the Beam are 5d. per word with a minimum of 20 words for each message; daily lettergrams 8d. per word with a minimum of 20 words per message; deferred rate telegrams 10d. per word, no minimum charge; full rate telegrams 1/8 per word, no minimum charge; press telegrams 5d. per word and deferred press telegrams 3d. per word.

MANY ARE THE USES of radio in moments of adversity. Mr. A. Carrigan, a visitor to Dungog, from Moree, three hundred miles distant, met with an accident to his new car, and was uncertain with which company the car salesman had insured it. He wired the sellers for information, so as to make an early notification of the accident, but three days passed without any result. Mr. Gordon White, of Dungog, at whose garage the damaged car was parked, is a wireless enthusiast, and he conceived the idea of telephoning 4QG, in which city the car was purchased. 4QG lost no time in ascertaining the desired information and at 9.30 on the same night the news was broadcast. It was picked up by a number of wireless enthusiasts in Dungog, including Mr. White.

AN EARLY ANNOUNCEMENT

may be expected of the definite intention of the New South Wales Government in respect of a State radio service. The Vice-President of the Executive Council, Mr. A. C. Willis, has completed details of the State scheme, which he hopes to see the Government adopt at an early date. Eighteen months ago Mr. Willis submitted to Cabinet his proposal for the establishment of State radio stations and a sub-committee was appointed to investigate the matter.

MR. WILLIS has suggested the erection of a super power station near Sydney, and the creation of six stations in country centres for the purpose of re-broadcasting the programmes of the main station. Another interesting proposal, since adopted by the German Government, is the provision of "listening-in" devices, which are placed in the rooms of Ministers of the Central Government. By that means Ministers will be able to acquaint themselves with proceedings in the legislature without the need of attending the debates. Details of the scheme have been submitted to the Premier, who is sympathetic. Mr. E. R. Voigt, secretary to Mr. Willis, has taken a leading part in preparing the Government proposals.



How Radio Could Have Saved the "Riverina"

Had the "Riverina" been fitted with direction finding apparatus and had Gabo Lighthouse possessed a Radio Transmitter, the vessel would have arrived safely in Sydney, a little behind schedule, perhaps, but sound.

THE s.s. "Riverina," pride of the Huddart Parker fleet, fighting her way through a cyclone; blinding rain squalls and savage seas meeting in a misty maw around her; her commander bereft of all means of calculating his position.

A throwback from the days of wooden ships when hazardous shell-backs steered by instinct and risked the reefs of the boiling rock-bound coast between Wilson's Promontory and Cape Howe, probably the most weather-beaten and desolate shore in Australia. Is it any wonder, then, that when dead reckoning should fail, when log and sounding lines are torn away by mighty seas, and when lighthouse beacons are blotted out, the "Riverina" should ground and lie battered by the waves broadside to the gale.

Wireless gave the news to the world, but what use was wireless when no vessel could approach the "Riverina." Yet the ill-fated ship could have been saved by wireless.

No reflection is cast on the wireless operator or the commander; the fault lies at the door of the Commonwealth Navigation Department. Had that body been more enthusiastic about installing wireless direction senders on the coast of Australia when urged to do so the "Riverina" might have safely arrived in Sydney.

The SOS functions only when the ship is in difficulties. The wireless direction finder functions all the time, and, in reality, is a radio lighthouse, but unlike the light-beacon it is unaffected by visibility, or weather conditions. Every country in the world where shipping is a vital factor in its welfare has installed radio direction beacons on its coasts; every overseas vessel now has direction finding apparatus. It has been the means of preventing just as many disasters at sea as the direct wireless call has been of saving life.

The direction finder, which almost every day is being improved upon, does not itself give the bearing of a ship's position upon a distant station. What it does is to supply invaluable data from which a true bearing may be calculated by the ship's navigators on the blackest night.

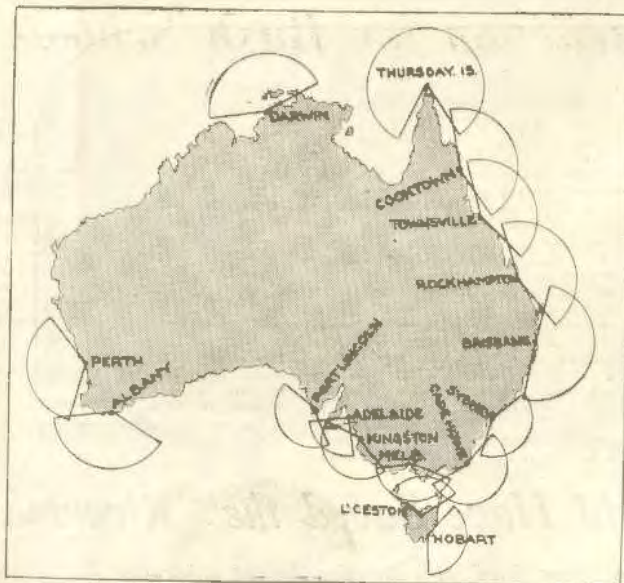
The D.F. aerial, fixed upon the roof of a wireless house, is quite distinct from the main sending and receiving aerial—400 feet or so of thick stranded wire slung high up between the masts. The D.F. aerial generally consists of two diamond-shaped loops of wire, heavily insulated and protected as far as possible from ship screening. A great ship of steel, floating in the most perfect of all "earths" (the sea), is in itself an aerial, and has the screening power of a gasometer on land.

One of the loops is set fore and aft in the centre line of the ship and the other at right angles to it, athwartships. The relative sizes of the loops have to be found by experiment, and final calibration is provided in the receiving instrument.

The direction is found by rotating a search coil on a dial graduated in degrees from 0 to 360. In order that very weak signals may be picked up on either side of that silent point which marks the true direction, the receiver has four high frequency valves (sometimes five), a detector valve, and one low-frequency valve.

The circuit is tuned on spark waves between 400 and 1000 metres and only one condenser (in the aerial circuit) is variable. All the H.F. condensers are fixed. The principal use of the variable condenser is to reduce signals to the lowest point at which they can be heard on either side of the silent point. And this is where the delicate, trained ears of wireless operators come into play.

It is quite impossible to judge when two loud signals are of equal strength, but if a skilled ear can just pick up a whisper on one side of the silent point and then swings the coil over until he picks up another faint whisper on the other side, he knows that his silent point is exactly midway between the whispers.



Illustrating the application of direction finding stations to the Australian coast. Wireless transmitting stations established at the ports marked would place every coastal vessel within range of their calls, enabling a ship's position to be calculated to within a thousand yards when 200 miles away.

The sectors marked on the map indicate the most reliable areas of reception, although, given power, the stations could be heard far beyond this. The transmitting stations are not directional.

D.F. tells the bridge, with an error of one or two degrees of arc, the angle between the fore and aft centre line of the ship and the direction of the observed station at the moment when the search coil was swung. From which it follows that if accuracy is to be achieved more depends upon the accurate steering of the ship than upon the critical ears in the wireless house.

It is of little use for the wireless operators to be accurate to within one degree if the quartermaster at the wheel allows the ship's head to sway through two or three degrees.

So that with improvement in direction finding we must have simultaneous improvement in the steering of ships. We must make the helm as steady as the search coil.

And this necessity is so clearly recognised that developments are proceeding on parallel lines. The double-loop aerial described is giving way to a more accurate and stable double frame aerial, and the gyro compass has already been installed in many large steamers in place of the variable and deviating magnetic compass of our maritime fathers.

The gyro compass, worked on the principle of the humming top or gyroscope—with a heavy flywheel electrically driven—always maintains its line directly parallel to the axis of the earth. It points in all circumstances to the true geographical North, not to the wayward magnetic North.

And what is more, some enterprising ship owners have fitted the gyro pilot (known to sailors as "Mike"), by means of which the gyro compass itself automatically steers the ship while the human quartermaster stands by until he may be needed to carry out a change of course.

In the returns which I have seen of the D.F. observations related to a ship's position, when she was steered by gyro compass and "Mike" the wireless bearings, taken when visibility was good, gave exactly the same results on working out as direct visible bearings. The skilled ears of the wireless house were as exactly to be depended upon as were the skilled eyes of the bridge—and when those eyes of the bridge were clouded by fog, then the ears of the wireless house remained unimpaired.

But in wireless, as in other forms of enterprise, perfection is expensive. There are not many shipping lines, except in the lordly Western Ocean, which can afford the latest developments of D.F. with its gyro compasses and its "Mikes." They have to be content with the plain twin-loop aerial, the human quartermaster on the bridge, and (very often) navigating officers who look upon wireless and all its works as one more nuisance added to their weary lives.

The equipment of British and other steamers, therefore, falls a good deal short of the equipment which science has made possible. There is no compulsion upon any British vessel to carry a direction finder, and those who do have usually, at present, the simple double aerial and the magnetic compass.

But as a general rule accuracy is not expected at more than fifty miles, and the skipper does not grumble if he can depend upon the observations at thirty miles. They gave him lots of time to avoid trouble. At 200 miles an error of one degree of arc in D.F. means less than three and a half miles in the position of an observed station, and at thirty miles the error is reduced to half a mile.

There is no pressing need in practice for accuracy greater than this, especially as no quartermaster at the helm holds a ship on its course with so small a swing as one degree on either side of the course ordered. If navigators could depend on D.F. having no greater error than five degrees of arc—say two and half miles at a distance of thirty miles—it would be of sufficient assistance for practical purposes. So long as errors are known they can be allowed for just as the known compass errors are allowed for.

It is not only in straightforward navigation that direction finding is so superlatively useful. In fog, when ships are vaguely hooting at one another, the operator at his search coil can say at once whether an approaching vessel—provided that he can get a signal from it—is in a safe or dangerous position, is ahead or approaching on the beam, or is well away to port or starboard.

Collisions are the most grave of all sea hazards. A steel vessel, which is very strong understrain, crumples instantly with a blow. It is far weaker to resist shock than was the old wooden ship. And the direction finder will guide a rescuing vessel to the exact spot from which SOS calls are thrown upon the ether. That brings me to another striking part of my recent wireless observations.

The direction sending apparatus is a simple transmitter with a three hundred mile range, and if installed at the lighthouses would render our shores safe to shipping in the worst

(Continued on Page 18.)

Wireless Instruction for Bush Schools

The importance of 3LO's efforts to inaugurate official wireless instruction in schools is emphasised here by a well known Melbourne Cleric who broadcasts from that station.

By Kenneth Henderson, M.A.

THROUGHOUT the Australian country side there are scattered little schools that deserve more pride and credit than they usually receive. In the Mallee scrub and the Otway ranges, on the Western plains, and the Gippsland mountains, deep in the remote parts of the bush, there are little outposts and workshops of knowledge and enlightenment, in each of which some gallant youngster just out of his or her teens is training a group of children for the strenuous business of life. The work is well and gallantly done. But when we recognise that, it should not make us contented to leave these teachers and youngsters to do their best in isolation.

By pioneering in these remote places, the fathers and mothers of the children have shown that high courage and enterprise on which a country depends for its future. In a sense these pioneers who are breaking in new territory, and their children are the advance guard of the future. They deserve well of the state, especially of the city. It is a matter for thoughtful patriotism and it is high time that we had more patriotism of the thoughtful kind to decide how the great cultural resources of the metropolis can be tapped to stimulate the education of those youngsters.

We have got far beyond the stage when we thought that all a dairyman needed to know was how to tell one end of a cow from the other. The aim of all life, at Oxford or at Sea Lake, is to live keenly, accept with a keen mind. The problem which the Education Department must continually deal with on behalf of us all is to how to give some breadth of outlook and inspiration to these little lost schools. Of course, it mainly rests with the teacher to wake up the minds of youngsters under his care. If he does not start the process, nothing else can. It is the keen teacher that the wireless will help most. Maybe it will not be long before Dimboola is listening to London or Paris relayed by 3LO. If the country boy and girl can be made to feel that they are not missing the other side of life, the flow of ideas, the outbreaks of fine music, and the rest of the life of culture, the more active minded of them will be all

the more content with the sturdy open air independence so many city dwellers envy them.

3LO has invited the co-operation of the Teaching Profession to advise it in its new project of broadcasting wireless programmes for schools, and hopes to meet a Committee appointed by the Association of Registered Teachers.

It is recognised, of course, that wireless can never do the work of teachers or text books—but it may add to the range of methods at a teacher's disposal. Its success in schools depends, of course, on getting the right man to do the right thing at the right time, and for this the assistance of educationalists is being invited. Wireless can bring school children into touch with distinguished visitors, it can take them in a sense to noteworthy gatherings and events and it can make available to thousands the special gifts of experts.

A writer on the subject has rightly said, "If a curriculum is so rigid as to exclude such vast possibilities of seeing and listening to the world's activities as are offered by the Cinema and the Radio, it might be well to reconsider that curriculum."

Binnaway School Has Set.

"Our school wireless is more popular than ever,"

writes Mr.

W. E.

Champion,

headmaster

of Binnaway Public

School, to

the Director of the Radio

Broadcast

Bureau this week. "We installed a set over two and a half years ago, and encountered a good deal of opposition from some parents, whose objection mainly was 'We had no wireless when we went to school.' The children are very interested in our set."

"To the adults it is proving its worth. Many farmers and graziers have their sheep, cattle and wool sales broadcast. To the sports of the town the horse racing results are very popular. It is quite a common occurrence to have the school room crowded on a day when a big race is to be run—that is, if school is not in session. There were over sixty present to hear a description of the last Melbourne Cup. Wireless time is taken as the time of the town, even before the railway or the post office."

"Our school was the first in the Mudgee Inspectorate to install wireless, and it was also the first set in the town; now radio sets are getting almost as common as Ford cars in this district."

The Rev.
Kenneth
Henderson



The Safety Valve

A department in which readers are invited to relieve their feelings by commendation or condemnation of broadcasting stations and their programmes. All letters must be addressed to "The Safety Valve," Wireless Weekly, 51 Castlereagh St., Sydney.



EARLY MORNING NEWS SERVICE.

Dear Sir,—I wonder if 2FC and 2BL realise how much some of us country people miss the early morning news service? For myself, the news service means at least a good half of the pleasure of having a receiving set in the house.

There is not a great hardship in having to wait, as we do now, until almost noon for our daily news, but a very different condition prevails in the hot months of the year. My experience has been that the best reception in summer months is between 7 and 10.30 a.m. and after 9.30 p.m., and most often between these times the atmospheric conditions have absolutely prohibited the use of the set. So, in the summer months, the country listeners would often have to go without their news service.

We have two excellent "A" class stations in Sydney, both operating at the same time. If one of these stations could come on between 7 and 8 a.m. for news, even it was only for the benefit of the country people, they would be doing a considerable service to the latter, and if it is a matter of "hours-on-the-air," that hour could be taken off one of the other sessions.

I would like to say that I appreciate the quality and variety of the programmes sent out by 2FC and 2BL, and I feel sure that, before the summer months arrive, one or the other of these stations will arrange their programmes in such a way as to give us country people this much-looked-for "Early Morning News Service."

Yours, etc.,
R.C.S.

Coolah.

WITH THE EYES.

Dear Sir,—Re Speedway Items ("W.W.," 4/3/27). Mr. J. G. P.'s version that not 2 per cent. of country listeners are interested in speedway items is in my estimation all rot. I purchased a four-valve set in December especially for speedway items. When a farmer rises so early in the morning that he can't sit up at night

to listen to motor racing he wants to give up farming. What is life without sport? J.G.P. says he is a bandman. If he does not get enough band items during an evening's entertainment, he is very hard to please. Perhaps if he improved his set he would be able to hear some musical items. While I am writing this letter Brisbane is broadcasting orchestral items and the item is "Always."

Yours, etc.,
GEO. MASON.

Inverell.

J.G.P. AGAIN.

Dear Sir,—In reply to W.E.G. ("Wireless Weekly," 8/4/27), I in turn must say that I find it hard to understand his passion for speedway thrills over the air, and I am afraid his parents were showing (with a good deal of that Spartanism we know parts are capable of) some indulgence for the white-haired boy, who has just made his valve set "note." And now, sir, for the Twelve Disciples on the Lake of Albert: Gentlemen, I agree with you; nothing could be more real: it reminds me far too well of a neighbor I once had who tuned his Indian every night till 10.30 and all day Sunday.

No, I am still of the opinion that the percentage of listeners interested in speedway is as allotted in my last.

Yours, etc.,
J.G.P.

Murwillumbah.

MUTUAL BENEFIT IDEA.

Dear Sir,—One reads a lot about the merits and demerits of our two "A" class stations. It is, of course, impossible to please everyone, but I believe this suggestion would go a long way towards solving the problem: Loan Mr. Allsop (who is responsible for 2BL's splendid transmission) to 2FC, to teach that station what good transmission is like, or loan 2FC's artists to 2BL. With 2FC's artists on 2BL's transmission, we should have a programme as near perfect as possible, and second to none.

Yours, etc.,
A. WHITEHOUSE.

Lidecombe.

SAYS SPEEDWAY BROADCASTS ARE EXCITING.

Dear Sir,—In answer to "J.G.P." ("Wireless Weekly" 18/3/27), I would like to let the readers know what a selfish man he is. He states that not 2 per cent. of country listeners want to hear speedway descriptions. He is very wrong there. Also that the descriptions are very poor—wrong again! The way that the announcer gets worked up to a high pitch of excitement which carries you with it is one of 4QG's best items.

"J.G.P.", of Murwillumbah, must have bought his set off that dealer friend who made a mess of that demonstration (I suppose he sells some of the same type of set that the cheapest dealer in the city carries—Six Valve "Solar Plexusodyne," £5/11/3s.).

If static gets too bad any more for the other stations, "J.G.P.", send a wire to 4QG to put on a special programme for you.

Yours, etc.,
S.A.R.D.

Lake Bathurst.

TOO MUCH ADVERTISING.

Dear Sir,—Everybody for himself, majority rules, so let me have a say. 2BL programmes have gone astray, too much stuck in the studio, too many solo items, waiting for clock, residue of programme, advertising batteries, pianos, etc., every night, repetitions of previous night programmes. Give us some out-door life and variation.

2FC is improving fast; their sketches and playlets are fine; give us more, especially serials—who would cast them aside? Not many. Let's have more radio revellers. Where has Miss Eve Warhurst gone? Yes, let classics and jazz go, and give us something to laugh at and talk about; Dinkum Smith very good. I am an invalid in my second radio year, and it has been a godsend to me.

Yours, etc.,
HUMGUR.

Bexley.

It's All in the Air

INTER-SCHOOLS ROWING: The Inter-schools Rowing events that are to be contested on the first week-end in May will be broadcast from the spot by 3LO. The Barwon event is to be described by Mr. Marshall, of Geelong Grammar School.

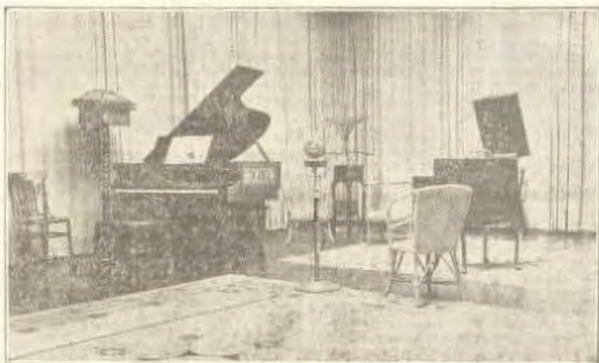
RETURN OF ESTELLE MARK TRIO: The many admirers of Estelle Mark's Trio will be glad to learn that these popular singers have been engaged for another season at 3LO, beginning on May 2, with their new repertoire.

LINDLEY EVANS: During the time between Dame Nellie Melba's Sydney and Brisbane concerts, an opportunity will be found for Lindley Evans, her accompanist on the tour, to appear at 2FC in pianoforte recitals, on Thursday, May 5, and Sunday, May 8.

ARTISTS FROM 3LO: Len Gibson (mandolin) and Charles Backstrom (steel guitar), who have given many appearances at 3LO, will, during their short stay in Sydney, be heard from 2FC. A series of appearances have been arranged commencing Saturday, May 7.

FRITZ HART'S CHILDREN'S HOUR: Another of those periods of delicate and varied music arranged by Fritz Hart for the Children's Hour at 3LO, and in which some of the students of the Albert Street Conservatorium appear to such advantage, has been allotted for May 3, to the delight of children and parents alike.

"COUSIN FROM NOWHERE": As Friday, April 29, is the last night, the 2nd and 3rd Acts will be broadcast from Theatre Royal by arrangement with J. C. Williamson. On that evening Alfred O'Shen will sing from the Studio, and Madame Ada Baker's juvenile pupils will entertain the children in the earlier part of the evening.



Mr. J. M. Prentice has been hard at work organising the stations of the N.Z. Broadcasting Co. Above is seen one of his endeavours—a view of the studio at 1YA.

MEXICAN MUSIC: A further programme of Mexican music, with stories of this interesting country, will be given from 2FC on Sunday evening, May 1, by Madam Consuelo de Aldag. In the afternoon, the Salvation Army have prepared a special broadcast programme, to be given from Congress Hall, Goulburn Street, from 2.30 p.m. to 3.30 p.m.

MAURICE BESLY BACK IN SYDNEY: Mr. Maurice Besly, the well-known composer and pianist, who is in association with Miss Phyllis Lett, the English contralto, returned to Sydney this week in order to fulfil his engagement with 2FC to broadcast on May 11. In addition to playing several of his own compositions, he will accompany Stuart Robertson in a number of his own compositions.

PRINCE EDWARD THEATRE: Arrangements have been made by 2FC whereby the Prince Edward Theatre orchestra, conducted by Will Prior, and the orchestral organ played by Leslie Harvey, will be broadcast at intervals. The first programme of incidental music to the picture "Don Juan" will be broadcast on Saturday evening, April 30.

RADIO SERIAL PLAY: Scott Alexander has written another radio serial, entitled "The Young Person in Pink," which will be broadcast from 2FC. The various parts will be taken by the students of the Mac Cunn School of Music. The 1st Act will be given on Monday afternoon, May 2, the 2nd Act on Monday afternoon, May 16, and the final act on Monday afternoon, May 30.

MADAME LAMBERT ENGAGED AS OPERATIC SOPRANO: That remarkable Belgian musical trio, the Lamberts, Father, Wife and Son, have been heard from 3LO either singly or together, on several occasions, but as an additional attraction for a series of evenings in May, Madame Lambert has been engaged to sing several operatic solo numbers, which is particularly well suited to Broadcasting, will delight all who listen-in.

G.P.S. REGATTA: Listeners will remember the complete manner in which 2FC described the heats and finals of the G.P.S. Regatta last year. The services of the well-known international rower, Roger Fitzhardinge, were secured for the description of the races, and similar arrangements will be made this year. The heats will be rowed on Wednesday afternoon, May 4, and the finals on Saturday afternoon, May 7.

LINDLEY EVANS, who is also giving some recitals from 2FC while waiting to join the Melba Concert Company on the northern tour, will be at the Studio on Thursday evening, May 5, when he will play accompaniments for Stuart Robertson. The dates of this fine singer's appearances are as follows: Thursday, April 28; Thursday, May 5; Monday, May 9 (when he will sing from the studio in the morning, immediately after the broadcasting of the ceremony from Canberra on the occasion of the opening of the Federal Parliament). His final appearance will be as previously advised, on Wednesday, May 11. He leaves for Newcastle the following day.

IN SOUTH POLAR REGIONS: 2FC received this week the following interesting letter: "Dear Sirs,—I am directed to convey to you, on behalf of this League, our appreciation of the wonderful service provided members of the N. T. Nielson Alonso Fleet, which recently returned from a whaling expedition in the South Polar regions. A witness, giving evidence on behalf of this League stated he had been a member of several expeditions, and informed the Royal Commission on wireless that they had secured splendid reception from 2FC, 2BL, and 3LO. These stations could be received on the loud speaker whilst the boats were off the Great Ice Barrier. He further pointed out that the monotony was greatly relieved by the fact that interesting news, good music and other items were always obtainable during broadcasting hours. The only expression of regret was the fact that the Tasmanian station could not be heard, and mainland stations had to be relied on for news. It is understood that 27 of the men were Tasmanians, and we take this opportunity, therefore, of thanking you on behalf of these men, and desire to add our hearty appreciation to this great achievement. Wishing your station continued success, WIRELESS LISTENERS' LEAGUE OF TASMANIA, E. S. Howard, Hon. Secretary."

PRaise FROM U.S.A.: It is a great tribute to Australian musicians that unstinted praise for Joe Aronson's Syncopated Band at 3LO Melbourne should come from the United States, the home and origin of the first class theatrical and concert orchestras playing with the various broadcasting stations, and even Paul Whiteman's famous combination has been sent over the air. In this week's mail, 3LO Melbourne have received enthusiastic letters and clippings from newspapers stating that Joe Aronson's melodies are by far ahead of anything in the States, and many inquirers wanted to know if the band had ever appeared in the United States. Aronson himself originally came from America, but all his bandmen are Australians.

STENOGRAPHERS' COMPETITION: The gentle art of stenography, better known to the man and girl in the office as Shorthand Writing, has a special appeal to 3LO, which employs some of the best exponents on its own busy staff. The Competition inaugurated by this popular Broadcasting Company is to be held on May 3; when hundreds of nimble fingers will first tune in to 3LO and then emulate the lightning in recording the pieces set for test. May the best man win, even if she be a girl!

STEPHANIE DESTE TO RECITE AGAIN: Stephanie Deste, the Dancer "Wanda" in "Rose Marie," who gave a dramatic recital on a recent Sunday night from 3LO, is to appear again on May 1. This talented young reciter has an exceptional elocutionary gift, besides choosing her pieces from a repertoire that has not been over-exploited by others.

JACK LUMSDAINE, POPULAR ENTERTAINER.—Jack Lumsdaine has made arrangements to tour New Zealand for several months on a well-known picture theatre circuit, and makes his farewell appearance at 2FC on Monday, May 2. On every occasion of this popular entertainer's appearance at 2FC, he is besieged with telephone requests for certain numbers. An opportunity will be taken to make his farewell on Monday, May 2, a programme entirely of request numbers. Our readers are requested to send to 2FC at once the particular item they would like him to render, and the programme will be compiled from the majority vote.

A SPECIAL SESSION of 10 minutes daily has been started by 2BL for children in Hospitals. Uncle George and Daddy Long Legs in turn have a cheery little message and a song to the sick ones all for themselves.

BAND MUSIC FOR THE WINTER: It has been definitely proved

that brass and military band music is very popular with listeners. There is no station in the Commonwealth giving so much band music as 2FC. Arrangements for the winter include the weekly appearance of the Manty Band, a combination of 30 to 35 professional players. These band concerts will be taken from the Rotunda in the afternoon, and in the evening from Manty Theatre. Weekly appearances at the Studio of the Randwick Municipal Band, which now has for its conductor Lou Gray, the prominent adjudicator from Townsville, fortnightly Sunday evening concerts by the Leichhardt Band from the now Strand Theatre, Leichhardt. Fortnightly appearances from the Royal Naval House of the N.S.W. State Military Band, and fortnightly appearances from Darlington Town Hall of the Metropolitan Band.

OF THE LARGER works of Tschaiowsky probably the symphony No. 5 is the most widely known and appreciated. But it must not be forgotten that he has written other works besides this, including Opera. Although Opera does not come our way very often, Russian Opera is almost unknown, and therefore listeners to 4QG are advised to hear the Studio Orchestra play the selection of music from the Opera, "Engene Oneguine," by Tschaiowsky, on May 11.

Try These on Your Super Het.

Now is the time for all good "snappers" and "noots" to "do their stuff." What's a good receiver for if not to bring in the DX station, anyway.

With the winter evenings drawing in and much better reception conditions, there are greater chances of pulling in some of the American stations.

Anyhow, try these stations you DX fans, and write us telling us your results.

Below we are printing the list of American stations you may hear, together with the times (Sydney time) to listen for them. Queensland, Victoria and Tasmania are the same times as Sydney. Adelaide half an hour behind Sydney.

The first item on the list (see KFI) we are publishing. In connection with the others, readers are invited to send in a list of the items heard and we shall check up for them.

Address your letter to "DX Receiver," c/o "Wireless Weekly," 51 Castlereagh St., Sydney.

SUNDAY, MAY 1st. KFI (Earle C. Anthony, Los Angeles) 588 metres. 5 p.m., KFI Midnight Frolics, with Virgil Ray's Winter Garden Orchestra and Mosby's Dixieland Blue Blowers.

Close down at 7 p.m.

10 p.m., KFI. 12 midnight, KFI.

KFON (Long Beach, Cal.) 233 metres. 5 p.m. Closes down at 7 p.m.

KNX (Evening Express) Los Angeles) 337 metres 5 p.m. Closes down at 7 p.m.

KOA (Denver, Colo.) 322 metres. 5 p.m. Listen again at 10.30 p.m.

KGO (Oakland, Cal.) 361 metres. 5 p.m. Closes down at 7 p.m.

KYA (Pacific Broadcasting Corp. of California, San Francisco) 399 metres, 5 p.m.

There is no "just-as-good" as Butgees.

The Duke of York Has an Ideal Radio Voice

By Our Melbourne Correspondent

I THINK it has not been pointed out before that the Duke of York is possessed of what is possibly an ideal radio voice. When 3LO broadcasts him from Melbourne, there should be great care taken to place the microphone in a proper position to catch his voice. I noticed that at several of the Sydney functions the microphone was placed at table height, and as the Duke is fairly tall, and leans over slightly when speaking, the effect was not all it should be.

Norman McCance, himself an excellent broadcaster, remarked to me at Government House, Sydney, just after the Duke had given his reply to the first series of loyal addresses, that his voice was such as to gain him a place as announcer in any well-conducted studio. It is low, with an even pitch, and unburied.

What is the ideal broadcasting voice, by the way? I suppose opinions differ, but my experience leads me to hazard a description. First of all, I should place emphasis of timbre. Sharp contrasts fail to register properly; dramatic whispers and loud declamation equally fail in their effect. A conversational tone, a few inches from the microphone, monotonously saved by the color put into the speech, but with small variation of pitch seems to me most successful. Resonance, of course, is essential, but not the declamatory resonance of the elocutionist. I have seldom heard good reception from men who pride themselves on their elocution.

One fault seems to cling to practically all radio speech. This is the practice of clipping the ends of words, omitting final consonants. This is easily remedied by practising an emphatic method of speech which gives equal value to all syllables. Most of all, however, it can be corrected by a deliberately slow delivery. I have never yet found a novice who was not led into too rapid speech by the inevitable "microphone fright" which afflicts everybody at a first attempt. Notably is this the case with actors and actresses, in whom one might suppose the fault would be non-existent. In the interesting "Talks from the Dressing-room," which are such a feature of 3LO programmes, rushing speech comes forth like the waters came down at Lodore.

It may be interesting to readers, while I am on this theme, to describe just exactly how the Duke of York

speaks. Rumor has been rife, and all sorts of ridiculous defects have been attributed to him. I have heard it said that he has a cleft palate, a split lip, an incurable stammer, and half-a-dozen other reasons for hesitancy of speech.

There is not the slightest suggestion of a stammer in his speech. I understand that once this defect existed and it was cured by silence. Certain words, certain consonants present hurdles to a nervous speaker. He knows them; he anticipates them. By maintaining a few seconds' silence, it is possible to gain the assurance necessary to overcome the obstacle. It is in this way, and this way only, that His Royal Highness' speaking is affected. His words are perfectly formed, and in a considerable experience of hearing him speak, in public and in private, I have never once heard him stammer or take two sibilants at a word. I have known him pause for as long as twenty seconds, and then proceed with easy, fluent words in a resonant, musical, easy tone. He has long recovered from the embarrassment that once made him flurried at these pauses, and his own unconcern quickly puts the listener at ease. The pauses are usually no longer than good speakers affect for rhetorical purposes, and they considerably help the reporters who are taking him down verbatim. Would to Heaven that all public speakers spoke like His Royal Highness. What a world of trouble we would be saved.

Bringing in the World.

The successful reception the other day of the members of the Industrial Mission to America draws increasing attention to the progress being made in overseas broadcasting and our own reception. I have noticed in Sydney far more evidence of big sets than in Victoria. I inquired from several owners the reason for the increased expenditure, when just as efficient sets for local reception could have been installed at a quarter the cost. The answer in every case amounted to the same explanation. Local programmes were not sufficiently stimulating to keep the interest of listeners. 3LO seemed to lead easily in favor of all inter-State stations, but listeners with big sets are reaching out for distant stations. In six houses I did not once hear any Sydney station. Three of them had 3LO for the chief part of the evening, varied with a few minutes of other



MISS MARIE BREMNER, one of the most talented of our young Australian vocalists, already known to many listeners on account of her stage work—is shortly to commence a brief sojourn from 3LO, and for broadcasting has selected a blend of Operatic Selections and Classical Melodies from her extensive repertoire.

inter-State broadcasting. Quite a large number of people, as compared with Victoria, listen to American stations, or else explore the ether over thousands of miles for whatever they can pick up.

Advertising Broadcasting.

My researches in New South Wales have shown me that quite extensive advertising of broadcasting "stunts" is going on. I have not yet been able to discover whether this is an evidence of public enthusiasm or of public apathy. It may be that owing to the latter, it has become necessary to stimulate interest by advertisement. However that may be, in post-offices, and on walls in far country districts, big posters are calling attention to broadcasting "stunts" scheduled for the near future, the lesson to be learnt being the advisability of installing a set and sharing in the fun. Already arrangements are in hand for equipping public halls with loud speakers for the Canberra ceremony, which will be the most historic bit of broadcasting in Australia to date, possibly in the world, for a new city and a new Parliament of a nation have never been previously launched together by a King's son, and with such pomp. The Federal Government has made arrangements for a full description of the great scene to be broadcast, as well as the actual speeches.

Units of Electricity Used in Radio

By W. P. RENSHAW

Secretary of the N.S.W. Division of the Wireless Institute

BEFORE any wireless enthusiast can understand the tremendous thing he is dabbling with as a hobby, he must know how science measures electricity. Beginning with the unit of quantity, the coulomb, I will endeavor here to explain in simple language the terms by which we discuss wireless and electricity.

THE COULOMB (Unit Quantity).
The Coulomb is the electrical unit of quantity, and can be compared with the water unit of quantity, namely, "a gallon," or, better, with the mechanical unit of rotary motion, namely, "one revolution."

THE AMPERE (Unit Current).
The ampere is the electrical unit of current.

When a current of water flows through a pipe, the amount of flow can be defined by stating how many "gallons per second" are flowing.

Similarly, in an electrical circuit, when a current of electricity flows through a conductor, the rate of flow can be defined by stating how many coulombs per second are flowing.

In an electrical circuit, one "ampere" represents a flow of one coulomb of electricity per second.

THE VOLT (Unit Pressure).
The volt is the unit of electrical pressure, variously described as "difference of potential," or "electromotive force" (E.M.F.).

It can be compared with the practical unit of mechanical force, namely, the pound.

The flow of water, that is, the number of gallons per hour that will flow through a pipe of given length, size and shape, will depend upon the number of pounds of pressure applied at one end of the pipe, or to put it more correctly, upon the difference in the number of pounds acting on the two ends of the pipe.

Similarly the flow of electricity, or the number of amperes that will flow through a conductor of given length, size, and shape, will depend upon the difference in the number of volts acting at each end of the conductor.

THE OHM.

The ohm is the unit of resistance. Resistance can be compared with the mechanical property of friction, for example, with the friction between the water and the inside of a pipe when the water is flowing through the pipe, or the friction between a shaft and its bearings.

Just as friction opposes the flow of water through a pipe or the rotation

Units of Electricity	
A unit of	is one
Quantity - - - -	Coulomb
Current - - - -	Ampere
Electromotive force or pressure - - -	Volt
Resistance - - - -	Ohm
Inductance - - - -	Henry
Capacity - - - -	Farad
Energy - - - -	Joule
Power - - - -	Watt

of the shaft, so does resistance oppose the flow of electricity through a conductor.

A conductor having a resistance of one ohm will require an electromotive force of one volt to force a current of one ampere through it.

THE HENRY.

The Henry is the unit of inductance.

Inductance is that quality in a circuit, which tends to oppose any change in the flow of electricity. It must not be confused with "resistance" which opposes the flow of electricity.

It can best be described by comparison with the mechanical property of mass, as its effect in an electrical circuit is analogous to the effect of the inertia and momentum of a heavy body in motion.

All bodies when stationary show a tendency to oppose being put in motion, or if they are already in motion, to oppose being accelerated. This tendency is called "inertia."

Similarly, all bodies when in motion show a tendency to oppose being stopped, or having their speed reduced. This tendency is called "momentum."

It is well known that it takes a considerable time for an engine with a heavy flywheel to get up full speed. This is due to the inertia of the flywheel. Also an engine running at full speed takes a considerable time to be brought to a standstill. This is due to the momentum of the flywheel.

In the same way there is a tendency in a circuit to oppose any increase, or decrease, in the current flowing through it. This quality is called inductance.

If an E.M.F. be applied to a circuit possessing inductance, the current flowing as a result of the E.M.F. will

only gradually grow, and the greater the inductance the slower the rate of growth. Again, if, when the current is flowing through a circuit possessing inductance, the E.M.F., which is making it flow be suddenly removed, the current will only gradually stop flowing, unless, of course, the circuit be "broken" or interrupted.

Thus it will be seen that the effect of inductance in a circuit on any current flowing through it is exactly similar to the effect of inertia in a body on any movement of that body.

Inductance is really due to the magnetic field produced by the current in a circuit and the amount of the inductance depends upon the strength of the magnetic field thus produced, just as the amount of the inertia, or momentum, of a flywheel depends upon the weight of that flywheel.

It will be shown, later, that the amount of magnetic field produced by a circuit, and, therefore, the inductance of a circuit, depends upon its form; for instance, the inductance of a given length of wire will be far greater if that wire is wound into a coil than if it is stretched out straight.

Similarly, the momentum of a flywheel depends upon its shape, as well as its weight; thus a flywheel two feet in diameter, weighing ten pounds, will have a very much greater momentum or inertia than a flywheel one foot in diameter, also weighing ten pounds.

One great difference between the effect of resistance and that of inductance in a circuit is that resistance absorbs energy and dissipates it in the form of heat, just as friction absorbs mechanical energy and dissipates it in the form of heat, whereas inductance only stores up energy when the current is increasing, and gives its energy back when the current is decreasing, just as a flywheel stores up energy when its speed is increased and gives back its energy when the speed is decreased.

When the circuit has an inductance of one henry, the current flowing through that circuit will change by one ampere when a difference of potential of one volt has been applied for one second.

The microhenry is sometimes used as a more convenient unit when the circuits under consideration have very small inductances. One microhenry is one millionth part of a henry.

THE FARAD.

The farad is the unit of capacity.

We have already described in a previous lecture that capacity is the property which a condenser has of holding a certain quantity of electricity, and we compared this property with the mechanical flexibility of a spring.

If we take the amount in inches that a spring will extend when a given force of one pound is applied to it, as being a measure of its flexibility, we could specify this quality of any spring by stating how many inches or what fraction of an inch theoretically it would expand for this given pressure. Thus by coining a word "pound-inch," we could say that if a spring was such that it would expand one inch when one pound of pressure was applied to it, it has a flexibility of one "pound-inch."

Similarly, the electrical unit of capacity is a measure of the quantity of electricity which will flow into a condenser when a pressure of one volt is applied to it. Thus if a condenser be of such dimensions that it will hold one coulomb of electricity when a pressure of one volt is applied across it, it will have a capacity of one "Farad."

A condenser sufficiently large to hold a charge of one coulomb of electricity at a pressure of one volt would have to be of enormous dimensions, and, therefore, a farad is too large a unit for practical convenience, and the microfarad is, therefore, usually adopted in its place, a microfarad being one-millionth part of a farad.

An important point to grasp is that although energy is expended in charging up a condenser, this energy is in reality only stored up by the condenser, and is available for use by discharging that condenser through a useful channel; just as in the case of a spring; although energy is expended in expanding or compressing a spring, that energy is only stored up by the spring, and is available for use by discharging the spring in a useful way. For example, take the case of an air gun. Energy is stored in the gun by compressing a spring, and this energy is then available for driving a shot against the friction of the air when the spring is released.

Later on, we shall show many examples of how energy stored up in a condenser is made to do useful work by discharging that condenser through suitable circuits.

(Continued on Page 18.)

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)

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"THE PUREMAX" measures 26 inches in height, and has a beautifully finished "flare," measuring 14 inches across. The unit is adjustable, and is wound to 4000 ohms, and has a double electromagnetic action.

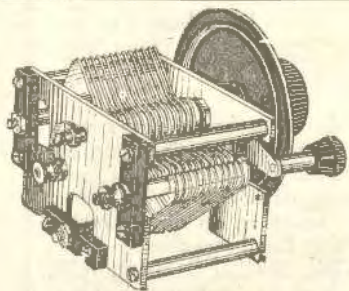
"THE PUREMAX" LOUDSPEAKER WILL DELIVER THE MAXIMUM VOLUME OF PURE MUSIC AND CLEAR SPEECH.

Send us £3/10/- for a "PUREMAX" Now, and you will not regret it. (Please Add Freight.)

Are You Building The FILTER TUNER ONE VALVE RECEIVER as described in this issue of "Wireless Weekly"?

Here is a List of Quality Parts for it:

	£	s.	d.		
1 Polished Bakelite Panel, cut true, and square, 12 x 7 x 1-8	0	3	6	1 Bradleystat	0 13 0
1 8-inch Length of 3in. Diameter Radion Tubing	0	5	0	1 Mica Fixed Condenser, .00025	0 1 9
1 4-inch Length of 3in. Diameter Radion Tubing	0	3	4	1 Mica Fixed Condenser, .001	0 1 6
1 Advance .0005 S.L.F. Condenser	0	10	6	1 Mica Fixed Condenser, .002	0 1 6
1 Advance .00025 S.L.F. Condenser	0	9	6	1 Standard Valve Socket, "Ajax"	0 1 9
1 Bradleystat No. 10	0	15	0	1 Ajax 30 ohm. Rheostat	0 1 10
				1 Terminal Board	0 2 9
				1 Doz. Square Buswire	0 6 10
				TOTAL COST	£3/12/6.



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Sizes, .00035 and .0005.

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Eveready WP60, 60 Volts, small	18/-
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A FILTER TUNER ONE VALVE RECEIVER

Of all wireless sets, from crystal sets to multivalve sets, there is a strong fascination for a single valve receiver. Close to a high power broadcasting station reasonably good loud speaker results may be expected from a one valve set. But the owner must be within two miles of this station. The other day the writer listened to a loud speaker operated by a crystal set, but it was situated right under 2BL's mast. This, of course, is the exception rather than the rule.

When speaking of one valve sets, the first question asked by the uninitiated is generally, "Will it work

- 1-Dilecto or Radion Panel, 12in. x 7in. x 1/2in. or 3/16in.
- 1-6in. Length of 3in. Diameter Dilecto or Radion Tubing.
- 1-6in. Ditto.
- 1-.0005 Variable Condenser with Dial.
- 1-.0025 Variable Condenser with Dial.
- 1-Bradleyohm 10.
- 1-Bradleyohm 10.
- 1-.00025 Fixed Condenser.
- 1-.001 Fixed Condenser.
- 1-.002 Fixed Condenser.
- 1-Valve Socket.
- 1-20 ohms. Rheostat.
- 1-Terminal Board with Eight Terminals.
- 1-Baseboard, 11in. x 9in. x 1/2in. Sundry screws, bushbar, etc.
- 1B. No. 20 D.C.C. Wire.

a loud speaker?" Now this question is hard to answer with any degree of authority. It is realised that situation plays a most important part. If the operator lives under the shadow of a big broadcasting station it is possible to have a loud speaker coupled to a single valve receiver with quite good results. But again, if one is between ten and fifty miles away, earphone strength only is available.

Phone strength again is most satisfactory. And if the owner wishes loud speaker strength the

addition of one or two stages of audio amplification will produce wonderful loud speaker results. Still reverting back to the one valve loud speaker results here is an interesting experience which befell the writer, and is worth while relating.

During the cyclonic disturbance which happened during the Easter holidays, the writer's aerial, situated right on the top of a hill in an exposed position, crashed—through the roof by the way. The aerial itself, lying over clothes lines and on the sodden lawn, was to all intents and purposes, rendered useless. Forgetting this fact altogether, on Easter Sunday, the Cock-a-day One Valver recently described, was connected up and by dint of careful tuning and hard effort, 4QG was tuned in. This again proved an exception rather than a rule, but it goes to show that even with a poor aerial reception is still available.

Nevertheless, when the fallen aerial was re-erected temporarily, the volume from 4QG was increased in an astounding measure, which indicates that a good aerial plays a most important part. So remember when building this or any other set, that much better results will accrue from a good aerial than from an inferior one and volume counts to a marked degree.

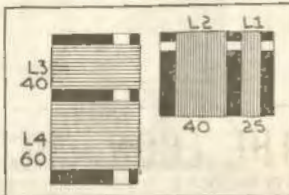
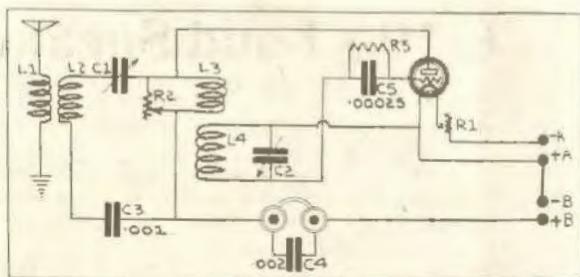
The time once was when a one valve receiver had associated with it numerous controls and projecting coils, which had to be movable in relation to one another. This action called for a certain amount of juggling

which took quite some time to understand. The trend of radio development to-day is such that simplicity is the keynote aimed at. Combined with simplicity should be the all important factors, sensitivity and selectivity. These are included in the receiver of this week.

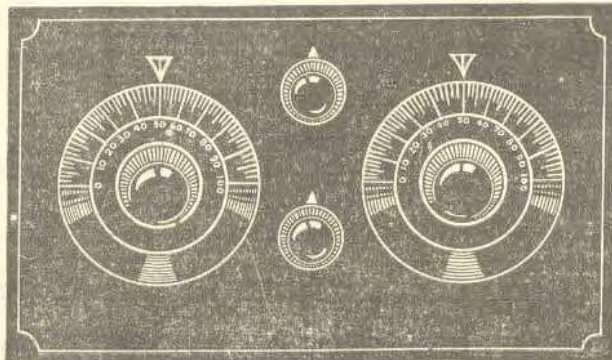
The parts required are published elsewhere in this article, and while no brands are given, the constructor is advised to use only good parts. The condensers, for example, make a big difference in reception, particularly in relation to selectivity, and to this end we recommend such brands as Heath, Advance, Pilot or Igranite. These are very reliable and can be trusted to do good work as well as last for years. There is nothing more annoying than poor condensers, which have their plates touching at different places, so obviate this by purchasing good quality lines at the beginning—it is cheaper in the long run.

The variable resistance is a very necessary article. We have specified a Bradleyohm 10, but if a good variable resistance of from 10,000 to 100,000 ohms. is on hand, use it by all means.

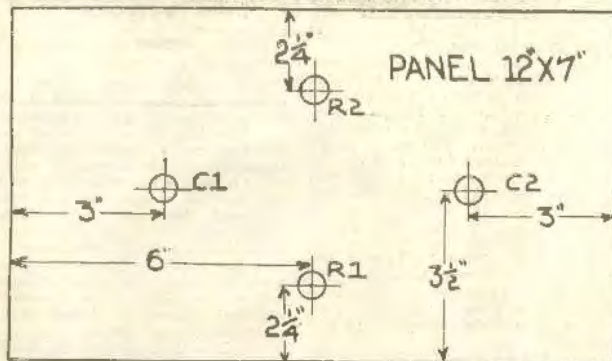
Let us look at the circuit for a moment and analyse its properties. In L1 we have an untuned aerial coil and L4 is the secondary coil tuned by the .00025 variable condenser. The two intermediate coils, L3 and L4, are filter coils. Now the signal from the aerial passes through the untuned primary coil and is filtered from other signals by two intermediate or linking coils (L2 and L3) before it reaches the secondary coil (L4). Two features of the filter tuner, giving it a unique place in radio, are the arrangements for reducing the resistance of the linking circuit and for controlling the current used for the purpose. Increased selectivity without loss of volume is accomplished by including one of the linking coils in the plate circuit. Think of the selective qualities of the Marrikey and the Extraordinary One Valver. These are on a par,



Details of the coils and formers referred to in the article.



The front panel view.



The panel drilling template.

The variable resistance controls the strength of the magnetic field produced by the second filter coil L3, which, in turn, affects the entire filter circuit. This controls regeneration and volume.

The construction of this receiver may be tackled by the veriest novice. Only the usual household tools are necessary and provided the parts are on hand and provided again the instructions are followed with reasonable intelligence, no difficulty should be met with in building a really efficient receiver.

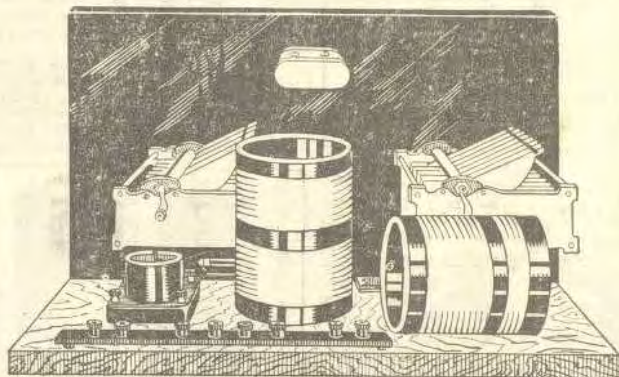
The panel should first of all be marked out and drilled. A centre punch or a nail is pressed into service to make the small indentations on the panel in exact accordance with the panel drilling diagram accompanying this article. The panel being laid on a flat surface, such as a table, should be drilled with a high speed and a slow pressure. It will be noticed that on the panel there is provision for two condensers and the rheostat or Bradlevstat and the variable resistance or Bradlevohm—

all the terminals, including aerial and earth, and phone terminals, are at the back of the set.

Mount this apparatus on the panel and leave on the one side until the coils are wound. For this purpose the Dilecto tubing is required. Wind the six inch former first with coils L3 and L4. At a distance of three-eighths of an inch from one end drill two small holes $\frac{1}{8}$ an inch apart and thread the beginning of the No. 20 D.C.C. wire through each hole, to hold it securely. Now wind on 40 turns, each turn close to the other, and finish off by securing through two more holes. One quarter of an inch away begin winding L4, which consists of sixty turns of the same gauge wire. On the 4 inch former wind 25 turns for L1 and a quarter of an inch away start L2, which boasts of 40 turns. Small terminals or contact studs are very useful for connections, and they may be fixed on the tube in each instance, 8 altogether being required.

Prepare the baseboard by sandpapering the surface and treating it to a coat of shellac or some other quick drying varnish. Lay out on the baseboard the valve socket and the coils. A small grid leak clip may be improvised as a bracket to secure the 6 inch former to the baseboard and two pillars about $1\frac{1}{2}$ or 2 inches long are handy to raise the 4 inch former of the baseboard. Long wood screws will fix this unit to the board through the pillars, which may consist of short lengths of 3-8 of an inch diameter fibre tube. Raise this 4 inch former off the baseboard with L2 running opposite to L3, and at right angles thereto. This will be found the best position. The back of panel view is slightly out of alignment to show the position of the variable condenser (.0005 mfd.), but otherwise the layout is quite correct. Follow this out correctly and then begin the wiring.

The wiring is quite simple and easy. Fix the panel to the baseboard and gather together the pliers, sol-



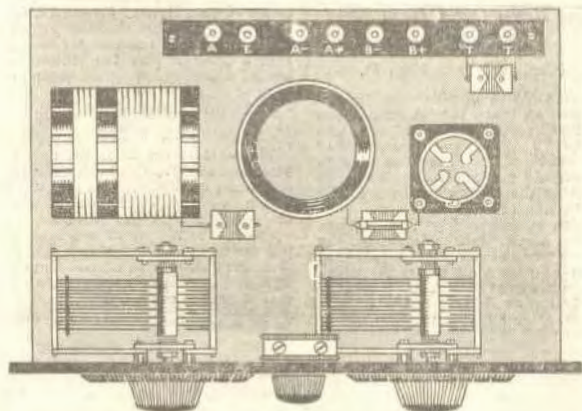
Layout of the apparatus.

during outfit, and busbar. Study carefully the back of panel wiring diagram, the circuit diagram and reconcile with the wiring instructions appearing elsewhere. Solder neatly and carefully, crossing out on the diagram each wire as it is installed. If using busbar, make neat right angled bends and keep all wiring as low as is possible. Complete the wiring and check over carefully, then test out.

Insert a valve in the socket. Any of the well known makes of valves will do, a Mullard, Osram, Radiotron, or De Forest, all being worth while. To the A. battery terminals link up the A. battery required for the valve used. The B. battery may be between 22 volts and 67 volts, according to the valve used.

Hook on aerial and earth and connect the phones to their respective terminals. Turn up the rheostat and turn the two dials slowly. Keep the .0005 condenser a little in advance of the .00025 on secondary condenser, and a station will soon be located. Tuning is very critical, remember, and when the station is received it may be very mushy. Clear this up by slowly and fractionally (spare the word) turning back the left hand condenser (.0005), when good reception will result.

Carefully adjust the variable resistance until a point is reached where all broadcast signals may be heard without further adjustment. Don't forget that this variable resistance controls the volume as well as the regeneration—you won't be likely to forget it after the first hour or so.



After a while the operator will develop a system of tuning of his own, but the foregoing remarks regarding tuning will prove of great assistance. A long aerial may be used with advantage, as none of the interfering problems common to other one valve sets are encountered.

This was proved at Marriekville on test, as 3LD, 4QG, and 5CL were nicely heard on the phones. The filter circuit requires careful tuning. This is a really good set, and is to be recommended.

WIRING INSTRUCTIONS.

Aerial terminal to outside (beginning) of L1 (25 turns). Earth terminal to end of L1. Join beginning of L2 to moving plates of .0005 mfd condenser.

Connect the fixed plates of .0005 mfd condenser to top of L2 thence to plate of valve socket, thence to one side of variable resistance.

Link bottom of L2 to one side of .001 mfd fixed condenser, the other side of which goes to one side of phones and thence to remaining side of the variable resistance, and to bottom of L3.

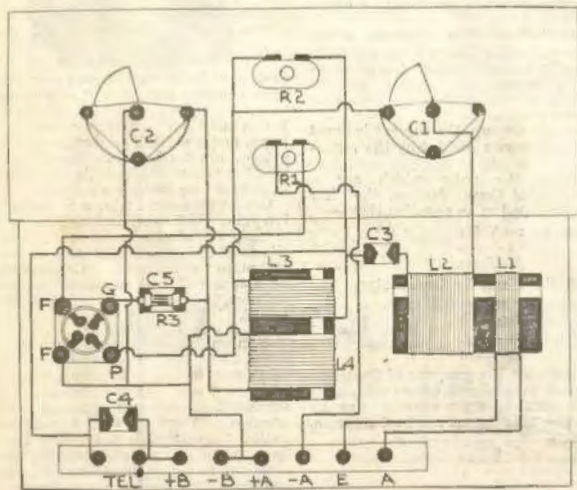
Join top of L4 to moving plates of .00025 mfd variable condenser, thence to F positive terminal of valve socket, thence to A positive terminal or terminal board which terminal is joined to B—terminal adjacent.

Connect bottom of L3 to fixed plates of .00025 variable condenser, thence to one side of grid condenser (.00025 fixed), the other side of which joins to the grid terminal of valve socket.

Connect remaining F terminal of valve socket to one side of the rheostat, the other side of the rheostat being connected to the A minus terminal of terminal board.

Connect B positive terminal of terminal board to the remaining phone terminal.

Link the .002 mfd fixed condenser across the phone terminals and the wiring is completed.



How Radio Could Have Saved the "Riverina."

(Continued from Page 6).

weather. With direction finding apparatus on board the "Riverina" and a radio sending station at Gabo Island Lighthouse the commander of the vessel would have been able to reckon his position within 30 or 40 miles of the coast regardless of the weather.

If all passenger ships of all nations carried a D.F. plant and observed the silence periods, sea travel would shed itself of nearly all the perils which still encompass it. The means of safety are available.

But, after all, steamers are run as commercial ventures, and it is the commercial appeal which tells. If passengers can be attracted by the equipment of D.F. then owners will equip it, but what really gets home to them is the means it affords of "saving a tide." If ships can approach harbour in thick weather as surely as they can when all is clear—and they can with D.F.—then in the course of a year many tides will be saved.

And the saving on one tide by a big ship is worth more in money than the cost of D.F. in a year. The operators have to be carried anyhow, by Board of Trade regulations for compulsory wireless, and the additional cost to the shipping company is only that of the D.F. plant and upkeep.

Units of Electricity Used in Radio

(Continued from Page 13).

THE JOULE.

The joule is the practical unit of electrical energy or work.

In order to cause a current of electricity to flow in a circuit, energy or work must be expended.

The same rule applies to all matters. For example, in order to cause a body to move, energy or work must be expended. The mechanical unit of work is the "foot pound" and can be defined as follows:—

If a force of one pound is used to move a body, the amount of work expended in moving that body a distance of one foot is one foot pound. For instance, one foot pound of energy is expended in lifting a body weighing one pound a foot off the ground, because the force of one pound is being exerted on it throughout the distance it is being lifted.

The electrical unit of work is, as we have already stated, the joule, and can be defined as follows:—

If a force of one volt is used to cause an electric current to flow through a circuit, one joule of work has been expended when one coulomb of electricity has flowed.

From this definition of a joule in

terms of quantity and pressure it follows from the fact that one ampere of current is one coulomb per second, that a joule is also the amount of energy expended during one second of time in causing one ampere to flow through a resistance of one ohm.

THE WATT.

The watt is the electrical unit of power. Power is the work done per unit time, or the rate of doing work. One watt is the power required to do one joule of work per second.

Now, since a flow of one coulomb per second is one ampere, it follows from the definition of a joule that one watt of power is expended when one volt is used to cause a current of one ampere to flow. This can be expressed as an equation:—

Watts equal volts x amperes.

For convenience the Kilo-watt (K.W.) is often used as the unit of electrical power instead of the watt; one kilo-watt equals 1000 watts.

Example: If a force of 10 volts causes a current of 100 amperes to flow through a given circuit, the power expended in this circuit:—

Equals 10 x 100, equals 1000 Watts or 1 K.W.

OHM'S LAW.

In every electrical circuit there are particularly three factors, the true relation of which must be clearly understood.

These three factors are the force or pressure, the current and the resistance, and, as already explained, are measured in terms of volts, amperes and ohms, respectively.

They bear a definite relation to one another, which is expressed by ohm's law.

Ohm's Law.—The strength of the current flowing through any circuit is directly proportional to the pressure acting across the circuit and inversely proportional to the resistance of the circuit.

In other words, the current is equal to the pressure divided by the resistance.

Using the units which are a measure of these factors, the law can be stated as an equation thus:—

$$\text{Amperes} = \frac{\text{Volts}}{\text{Ohms}}$$

Ohms

And, therefore, by transposing,

$$\text{Volts} = \text{Amperes} \times \text{Ohms}$$

Volts

$$\text{Ohms} = \frac{\text{Volts}}{\text{Amperes}}$$

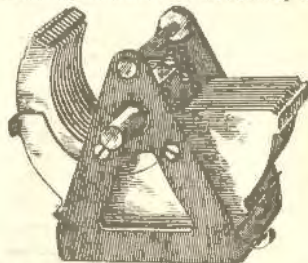
Example: If a pressure of 6 volts be applied to a circuit whose resistance is 3 ohms, then the current flowing through that circuit will be 2 amperes, thus:—

$$\begin{aligned} \text{Amperes} &= \frac{6}{3} \\ &= 2 \end{aligned}$$

PRINTED PROGRAMMES: Visitors to the public recitals at the studio of 3LO find themselves catered for in the manner of a theatre audience. Printed copies of the day's programmes are handed to each visitor along with other interesting literature, and everything possible is done to make the night's entertainment an enjoyable one. Such is the popularity of the public concerts that most of the audience stay until the finish, 11.40 p.m., when Joe Aronson's Syncopating Symphonists complete their merry revels. Whilst outside transmissions are in progress, visitors are entertained by means of a powerful set with a clear loud speaker.

EMMCO STRATELYNE CONDENSER.

Heading the list of a very complete line of new season's apparatus produced by the manufacturers of Emmco radio products, is THE EMMCO STRATELYNE CONDENSER, a beautifully finished job of high quality. There are many features which will place this condenser high in the esteem of radio enthusiasts. Correct minimum and maximum capacities eliminate all uncertainty in



tuning, while the insulation properties are as nearly perfect as it is possible to get. The cut away brass plates in both stator and rotor are unique features, and a pig-tail connection makes contact always certain. The Stratelyne Condenser is adaptable for either base board or panel mounting.

One of its main features is the hollow air shaft interlocking—an extremely handy arrangement which allows of the tandem mounting of two or more condensers. Considering its mechanical and electrical characteristics, it is extremely economically priced.

Johnson & Phillips, Ltd. (established 1875), the well-known electrical cable and instrument manufacturers, are now sole selling agents for foreign business for the Ethovox Loud Speakers. From the British press we gather that Johnson & Phillips, Ltd., have taken out a debenture for the assets of Hurdrept Wireless, Ltd., and are appointing two or three directors to the Board.

RADIO

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

REORGANISED

TO APPEAR AS A MONTHLY

Next Issue Early in May

- ¶ 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 GUGLI-ELMO 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/-

THE NEW AND IMPROVED WONDERTONE IV. HOME CONSTRUCTION RECEIVER

is the result of exhaustive experiments to place before the Australian public a Receiver that does not require any technical knowledge whatever to build. With our new and simple building instructions, a boy of 7 can build it. Furthermore, the circuit employed is especially designed for the combination of simplicity of Control—Distance—Volume—Clarity—and Selectivity. No jamming of Stations with the new and wonderful "Wondertone" H.C. IV., and no special tools are required, only a screw-driver and pliers. The connecting wires are all cut and prepared to the required lengths, and by following the instructions it is impossible to make a mistake.

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**Easy to
Build**

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**Easy to
Use**

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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
"Wondertone" H.C. IV., parts ready to assemble, with Dry Cell "A" Battery	£17 12 6	£19 12 6

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.

SEND FOR ILLUSTRATED LEAFLET.

Your Own Set Re-wired by Experts—Prices on Application.

Wiles Wonderful Wireless and Electrical Stores

Pitt and Goulburn Streets, Sydney.

Branch: 23 Pitt Street, Near Circular Quay. Branch, 384 Pitt Street, Near Goulburn St.
MAIL ORDER DEPT.: 60 GOULBURN STREET.

BROADCASTING PROGRAMMES

for the COMING WEEK

Friday, April 29

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.
 12.5 p.m.—Official weather forecast, rainfall, temperatures, astronomical mercuria, shipping intelligence, mail services.
 12.15 p.m.—Studio music.
 12.25 p.m.—Summary of Sydney Morning Herald news service and cables.
 Rugby news.
 12.35 p.m.—Studio music.
 12.45 p.m.—Miss Kathleen Stradley, soprano; "Milkways" (Forster).
 1.20 p.m.—Studio music.
 1.25 p.m.—"Big Ben." Weather intelligence.
 1.30 p.m.—"Evening News" midday news service.
 Producers' Distributing Society's report.
 1.20 p.m.—Studio music.
 1.25 p.m.—Miss Kathleen Stradley, soprano; "Just Sweeping for You" (Jacobs-Bond).
 1.28 p.m.—Stock Exchange, second call.
 1.30 p.m.—Marching music for school children.
 1.40 p.m.—Studio music.
 1.50 p.m.—Mr. Cliff Hanney, violin solo.
 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- 2 p.m.—"Big Ben" and announcements.
 2.5 p.m.—Mr. Cliff Hanney, violin solo.
 3.10 p.m.—Studio music.
 3.20 p.m.—A reading.
 3.25 p.m.—MISS DOROTHY RUDDER, SOPRANO.
 3.30 p.m.—Marching music for school children.
 3.40 p.m.—FROM FARMER'S TEA ROOMS; Miss Ethel Muller, contralto; "Had I but Known" (Nicholas).
 3.45 p.m.—A talk on home cooking and recipes by Miss Ruth Forst.
 4 p.m.—"Big Ben."
 FROM FARMER'S TEA ROOMS; Miss Eileen Moreau, soprano; "Macabish" (Macarabough).
 4.5 p.m.—Mr. Cliff Hanney, violin solo.
 4.10 p.m.—Dairytone solos by Mr. Ewart Chapple.
 4.20 p.m.—FROM FARMER'S TEA ROOMS; Miss Ethel Muller, contralto; "Just a ray of Sunlight" (Sg. (re)).
 4.25 p.m.—FROM THE STUDIO; Popular records.
 4.30 p.m.—Miss Dorothy Rudder, soprano.
 4.35 p.m.—Studio music.
 4.40 p.m.—FROM FARMER'S TEA ROOMS; Miss Eileen Moreau, soprano; "I hear a Thrush at Eve" (Cadmam).
 4.45 p.m.—Stock Exchange, third call.
 4.48 p.m.—Studio music.
 5 p.m.—"Big Ben." Close down.

EVENING SESSION.

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

- 5.55 p.m.—The Juvenile pupils of Madame Ada Baker.
 6.30 p.m.—A serial story for the older ones.
 6.40 p.m.—Dinner music.
 7 p.m.—"Big Ben." Late sporting information by the SFC Racing Commissioner.
 7.10 p.m.—Dalgety'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.

NIGHT SESSION.

- 7.45 p.m.—Programme announcements.
 7.57 p.m.—Mr. James Glennon, violinist; (a) "Borealis" (Garnesfeld).
 (b) "Valse Brillant" (Chopin).
 7.55 p.m.—Mr. Charles Lawrence, entertainer; "Dixie Vagabond" (Donaldson).
 8 p.m.—"Big Ben." Mr. Alfred O'Shea, Australia's foremost tenor.
 8.8 p.m.—Mr. Charles Lawrence, entertainer; "Love's Hiding Place" (Luck).
 8.12 p.m.—A talk by Mr. W. F. Kay; "Immortals of the Sydney Stage."
 8.27 p.m.—Mr. Alfred O'Shea, Australia's foremost tenor.
 8.34 p.m.—Mr. James Glennon, violinist; (a) "Andante Cantabile" (Tchaikowski-Kreisler).
 (b) "Auracain and Nicolette" (Kreisler).
 8.40 p.m.—Mr. Charles Lawrence, entertainer; "What a Life" (Kennedy Russell).
 8.48 p.m.—The Janetaki Trio, instrumentalists.
 8.53 p.m.—Mr. Alfred O'Shea, Australia's foremost tenor.
 9 p.m.—"Big Ben."
 Mr. Charles Lawrence, entertainer; "The Country's the place for Me" (Bennett).
 9.5 p.m.—FROM THE THEATRE ROYAL SYDNEY (by permission of J. C. Williamson, Ltd.): Last night's performance of "THE COUSIN FROM NOWHERE," featuring Arthur Stanger and Leyland Hodgson. ACT TWO: Scene, The Terrace of Julia's House (Morning).

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

- 2FC.—Farmer's Broadcasting Station, Ltd., Sydney, wavelength 442 metres, power 5000 watts.
 2BL.—Broadcasters' Ltd., Sydney, wavelength 353 metres, power 5000 watts.
 2GB.—Theosophical Broadcasting Station, Ltd., Sydney, wavelength 316 metres, power 500 watts.
 2BY.—Trade and Labor Council, Sydney, wavelength 284 metres, power 1500 watts.
 2BW.—Otto Sandel, Sydney, wavelength 267 metres, power 500 watts.
 2UX.—Otto Sandel, Wagga, wavelength 800 metres, power 500 watts.
 2MK.—Meckler Bros., Bathurst, wavelength 275 metres, power 250 watts.
 2BE.—Electrical Utilities Supply Co., Sydney, wavelength 282 metres, power 250 watts.
 2BE.—Bargin Electric Co., Sydney, wavelength 316 metres, 100 watts.
 2HD.—H. A. Douglas, Newcastle, wavelength 258 metres, 100 watts.

- Musical Numbers:
 Opening, Flain Allan;
 Ensemble, "Roderick," Margery Hicklin, Marie Le Varre, Flain Allan, Leyland Hodgson, Arthur Stanger, Harry Williams and Stanley Olgers.
 Tango Duet, "Love and You," Margery Hicklin and Leyland Hodgson.
 Dances, "Voice of Spring" (Waltz (Strauss), Theres Rogers and Robert Lascelles), Duet, "The Old and the New," Flain Allan and Gus Booth.
 Ensemble, "Belavia," Flain Allan.
 10 p.m.—"Big Ben."
 FROM THE STUDIO:
 The Janetaki Trio, instrumentalists.
 10.10 p.m.—FROM THE THEATRE ROYAL SYDNEY, The Third Act of "THE COUSIN FROM NOWHERE."
 Scene: Garden at Julia's House (Morning). The action of the play takes place in Holland. Times the present day.
 Musical Numbers:
 Quartette, "When the clouds roll by," Flain Allan, Marie Le Varre, Arthur Stanger, Gus Booth and the "Sisters" (Lips).
 Dance, "Holland," Theres Rogers and Robert Lascelles.
 Song, "Every bit of loving in the world," Margery Hicklin.
 Duet, "No Fodder," Flain Allan and Leo Franklyn.
 Female Full Company.
 10.55 p.m.—FROM THE STUDIO:
 Late news and announcements.
 11 p.m.—"Big Ben." National Anthem.
 Close down.

2BL, SYDNEY

Broadcaster's Ltd.

Wave Length, 353 Metres.

Friday

- 12 noon.—G.P.O. Clock and Chimes.
 12.1 p.m.—Special Official Forecast.
 12.3 p.m.—Infant mortality, mail and shipping and movements of important ships.
 12.4 p.m.—Sydney Stock Exchange calls.
 12.5 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 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 (Sims).
 12.45 p.m.—Hillers' Instrumental Quartet—direction—Caryl Castling.
 1.20 p.m.—News from the "Sun."
 1.30 p.m.—Musical programme from studio.
 1.50 p.m.—News from the "Sun."
 2 p.m.—G.P.O. Clock and chimes.
 Racing information broadcast by courtesy of the "Star" immediately after each race.
 2.20 p.m.—Talk to the Children and social entertainment for Children in Hospital.
 2.12 p.m.—Musical programme from the studio.
 2.20 p.m.—Women's Session. Conducted by Mrs. Johanna Taiton (Cryslin) by Miss G. Vachey, Broadcasters' Women's Sports Authority.

Social Notes—Replies to correspondents
Talk on "Feeding the Family" by Mrs. Jordan.
8 p.m.—G.P.O. Clock and chimes.
8.1 p.m.—Musical programme from studio.
8.15 p.m.—News from the "Sun."
8.30 p.m.—G.P.O. Clock and chimes.
8.31 p.m.—Talks on the Grand Opera, illustrated by H.M.V. Records.
8.30 p.m.—News from the "Sun."
8 p.m.—G.P.O. Clock and chimes.
1.1 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 Resume.
4.52 p.m.—Producers Distributing Society's Fruit and Vegetable Market report.
4.54 p.m.—Resume of nights programme.
4.56 p.m.—Announcements.
4.58 p.m.—Special Ocean Forecast.
5 p.m.—G.P.O. Clock and chimes. Close down.

EARLY EVENING SESSION.
5.15 p.m.—G.P.O. Clock and chimes.
5.19 p.m.—Daddy Longlegs 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 Finance Co's Report.
Weather report and forecast by courtesy of Mr. Mars.
Producers Distributing Society's Fruit and Vegetable Market report.
Stock Exchange Reports.
Grain and Funder report (Sun).
Dairy Produce report (Sun).
7.15 p.m.—Country news from the "Sun."
7.30 p.m.—Talk on "Gardening Science" by Mr. Cooper, Park Superintendent, City Council.

8 p.m.—G.P.O. Clock and chimes.
Broadcasters' Tonal Chorus.
8.3 p.m.—Mr. Raymond Beatty, (basso).
8.17 p.m.—Miss Millie Hughes, (soprano).
8.20 p.m.—Mr. Phil Mountain, (soprano).
8.24 p.m.—Miss Essie Cooke (soprano).
8.31 p.m.—Mr. Manuel D'Almeida, (dramatic artist).
8.39 p.m.—Messrs. Stan Hudson and Alf J. Lawrence.
8.51 p.m.—Resume of following day's programme. Weather report and forecast by courtesy of Mr. C. J. Mars, 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.
9.11 p.m.—Mr. Leslie Herford (baritone).
9.28 p.m.—Duo: Miss Millie Hughes and Mr. Raymond Beatty.
9.42 p.m.—Broadcasters' Trio.
9.52 p.m.—Miss Millie Hughes.
10 p.m.—G.P.O. Clock and chimes.
10.1 p.m.—Mr. Raymond Beatty.
10.15 p.m.—Mr. Phil Mountain.
10.33 p.m.—Miss Essie Cooke.
10.33 p.m.—Mr. Leslie Herford.
10.30 p.m.—The Ambassadors Dance Band broadcast from the ballroom of the Ambassadors. During intervals between dances news reports by courtesy of the "Sun" will be broadcast.
11 p.m.—G.P.O. Clock and chimes.
Nationals Anthem.

2GB, SYDNEY

Theosophical Broadcasting Service.
Wave Length, 316 Metres.
Friday.

CHERIO HOUR.

9 a.m.—Music.
9.5 a.m.—Cherio Talk by Mr. J. K. Powell.
9.15 a.m.—Music.
9.25 a.m.—Psychological Class.
9.40 a.m.—Music.
9.45 a.m.—Health Talk and Diet.
10 a.m.—Close down.

AFTERNOON SESSION.
3.30 a.m.—Music.
3.37 p.m.—Talk.
3.52 p.m.—Music.
4.7 p.m.—Talk.
4.32 p.m.—Music.
4.40 p.m.—Close down.
EVENING SESSION.
5.50 p.m.—Children's Session conducted by Miss Irma Barnes.
7 p.m.—Music.
7.5 p.m.—Music.
7.15 p.m.—Music.
7.20 p.m.—Tonal Talk by the Rt. Rev. G. S. Arundell.
7.30 p.m.—Music.
7.33 p.m.—Talk.
7.55 p.m.—Songs by Mrs. Breerton.
8.20 p.m.—Violin Solos by Dan Scully.
8.27 p.m.—Songs.
8.35 p.m.—Instrumental Quartet: Dan Scully, Monica Howler, Marielle Lang, Ada Brook.
8.45 p.m.—Announcements.
8 p.m.—Tonal Talk.
9.15 p.m.—Songs by Mrs. Breerton.
9.28 p.m.—Cello Solos by Marielle Lang.
9.30 p.m.—Instrumental Trio: Dan Scully, Marielle Lang, Ada Brook.
9.45 p.m.—Songs.
9.58 p.m.—Cherio Talk.
10 p.m.—Close down.

3LO MELBOURNE

Broadcasting Co. of Aust.

Wave Length, 371 Metres.

Friday.

MIDDAY SESSION.

GRACE AND KEATS.
MR. EARLE TURNER.
RUSSELL CALLOW, Tenor.
TASMA TIERNAN, Cello.
MARIE BREMMNER, Soprano.
RUGENIE DUGGAN.
THE STUDIO ORCHESTRA.
Announcer ALFRED ANDREW
Accompanist AGNES FORTUNE
FROTH AND BROTH.

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

3LO.—Broadcasting Company of Australia, Ltd., Melbourne, wavelength 371 metres, power 5000 watts.
4QG.—Queensland Radio Service, Brisbane, wavelength 385 metres, power 4500 watts.
5LL.—Central Broadcasters' Ltd., Adelaide, wavelength 395 metres, power 5000 watts.
6WP.—Western Farmers, Ltd., Perth, wavelength 1250 metres, power 5000 watts.
7ZL.—Tasmanian Broadcasters, Ltd., Hobart, wavelength 235 metres, 2000 watts.
JAR.—Associated Radio Co., Ltd., Melbourne, wavelength 484 metres, power 1500 watts.
3DB.—Druleigh Business and Technical College, Melbourne, wavelength 255 metres, power 500 watts.
MUZ.—D. J. Nilsen & Co., Melbourne, wavelength 319 metres, power 100 watts.
6GR.—Gold Radio Electric Service, Townsville, Queensland, wavelength 294 metres, power 100 watts.
5KA.—Spent Radio Broadcasting Station, Adelaide, wavelength 250 metres, power 1000 watts.
5DN.—5DN Pty. Ltd., Adelaide, wavelength 313 metres, 500 watts.

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.—GRACE AND KEATS.
"Fiorate, Pierrot and a Piano."
12.30 p.m.—STUDIO ORCHESTRA.
"Stop Flirting" (Gershwin).
12.40 p.m.—Stock Exchange Information.
12.50 p.m.—Gue Act Play, MR. EARLE TURNER.
"Pounds and Pairs."
1.5 p.m.—STUDIO ORCHESTRA.
"H.M.S. Pinareo" (Sullivan).
1.15 p.m.—Meteorological Information.
1.20 p.m.—RUSSELL CALLOW, Tenor.
"Nita Ciliana" (Newtown).
"Youth" (Albani).
1.27 p.m.—TASMA TIERNAN, Cello.
"Pastorale" (Bundel).
1.34 p.m.—MARIE BREMMNER, Soprano.
"Brown is My Love" (Ellis Postel).
"Linden Lea" (V. Williams).
1.41 p.m.—STUDIO ORCHESTRA.
Valen. "Amourette."
1.50 p.m.—RUGENIE DUGGAN.
"Kissin'" (Dorothy Turner).
1.58 p.m.—STUDIO ORCHESTRA.
"English Folk Songs" (Vaughan Williams).
2.0 p.m.—Close Down.
2.10 p.m.—Description of Walter Handicap, Ballarat Miners, by "Musket," of the "Sporting Globe."
2.30 p.m.—Description of the DEPARTURE OF THEIR ROYAL HIGHNESSES THE DUKE AND DUCHESS OF YORK, for Adelaide, transmission from Spencer Street, Station.

AFTERNOON SESSION.

Speakers:
"AU FAIT," MRS. M. CALLAWAY MAHOOD.
THE STUDIO ORCHESTRA.
THE FUTURISTS.
NELL CRANE, Comedienne.
Announcer ALFRED ANDREW
Accompanist AGNES FORTUNE
REVUE.
Result of Handicap Pony Race, Ballarat Miners—By "Musket" of the "Sporting Globe."
3.0 p.m.—STUDIO ORCHESTRA.
"The Merry-makers" (Eric Coats).
3.10 p.m.—"AU FAIT," "Fashion Talk."
3.25 p.m.—STUDIO ORCHESTRA.
"Squash" (Grove Dancer) (Morty).
3.30 p.m.—Description of April Handicap, Ballarat Miners, by "Musket," of the "Sporting Globe."
3.35 p.m.—"THE FUTURISTS," present their Radio Revue.
"Too Time Tattle."
The Futurists are glad to meet you again and sing an Opening Chorus.
DIMAL DESMOND and CYRIL NORTH-COTE have a few words to say.
IRA VANDA looks at the world through rose colored glasses.
A Playette of the Eternal Triangle.
"How to Retain a Husband."
The Husband GUS LAWSON
The Wife IRA VANDA
The Friend CYRIL NORTH-COTE
Daisy becomes evy and says, "No, I don't like to do that."
Pleaded by the Company, "Wanna go Back Again Blues."
3.55 p.m.—STUDIO ORCHESTRA.
"Music Pictures" (Founds).
4.5 p.m.—NELL CRANE, Comedienne.
"Zara" (Lawrence).
"Musical Comedy Memories" (Lawrence).
4.10 p.m.—Description of Novice Handicap, Ballarat Miners, by "Musket," of the "Sporting Globe."
4.17 p.m.—STUDIO ORCHESTRA.
"Valse Bleue" (Drigo).
4.27 p.m.—MRS. M. CALLAWAY MAHOOD, "Art in Modern Life."
4.45 p.m.—Description of Handicap Novice Pony Race, Ballarat Miners, by "Musket," of the "Sporting Globe."
4.50 p.m.—"Herald" News Service; Stock Exchange Information.
5.0 p.m.—Close Down.
5.20 p.m.—Description of Flying Handicap, Ballarat Miners, by "Musket," of the "Sporting Globe."

EVENING SESSION.

- 8.47 p.m.—CHILDREN'S HOUR. Answers to letters and birthday greetings.
- 9.00 p.m.—NELL CHASE, will sing something for you.
- 9.07 p.m.—BILLY BUNNY" has a very special "Bunny Story for You."
- 9.12 p.m.—HAROLD COLLIER, "Melodious Selection."
- 9.18 p.m.—BILLY BUNNY" "Tanglewood Tales."
- 9.25 p.m.—"Argus" and "Herald" News Service; Weather Synopsis; Shipping Movement.
- 9.32 p.m.—Stock Exchange Information.
- 9.40 p.m.—Fish Market Reports; by J. R. Hurrell, Ltd.
- 9.45 p.m.—River Reports.
- 9.50 p.m.—Market Reports of Fruit, by the Victorian Producers' Association, compiled by "The Fruit World," exclusive to 3LG.

NIGHT SESSION.

Speakers:

- MR. J. BRAKE, DR. BROOKE NICHOLLS, MR. H. K. LOVE, "CARDIGAN," MR. A. CHADWICK.
- THE STUDIO ORCHESTRA.
- COLLINGWOOD CITIZENS' BAND. Conductor, Mr. F. C. JOHNSTON.
- J. ALEXANDER BROWNE, Baritone.
- C. RICHARD CHUGG, Flute.
- GRACE AND KEATS.
- HUXHAM'S SERENADERS.
- BESSIE GAUNSON, Violin.
- SYD BRICE, Comedian.
- MADAME LAMBERT, Soprano.
- VIN AND WINDLE.
- RUSSELL CALLOW, Tenor.
- Accompanist MATRICE DUDLEY.
- Accompanist AGNES FORTUNE.
- 7.15 p.m.—Agricultural Department, Mr. J. Brake, Senior Inspector of Agriculture, "Wheat Growing, Seedling Preparation."
- 7.30 p.m.—STUDIO ORCHESTRA. Selection, "Buddhign" (Sullivan).
- 7.40 p.m.—J. ALEXANDER BROWNE, Baritone.

- "The Star" (Rodgers).
- "O Mistress Mine" (Quilter).
- 7.54 p.m.—E. RICHARD CHUGG, Flute.
- Excerpt of the "Hesperus Song" (Gluck).
- 7.57 p.m.—GRACE AND KEATS. "Melodious Moments."
- 8.0 p.m.—DR. BROOKE NICHOLLS.
- "The Coral Lagoon" (Gluck).
- 8.15 p.m.—HUXHAM'S SERENADERS. Quartette, "Moonlight on the Ganges."
- E. HUXHAM, D. BURDETT, R. MILLAR and H. HUXHAM. Tenor Solo, "Old Mate."
- H. HUXHAM.

- STUDIO ORCHESTRA.
- "Star Blossom" (Lagan).
- Musical Sketch, "Irish Tin Bits."

- SERENADER QUARTETTE.
- BESSIE GAUNSON, Violin.
- "Trompet" (Schumann).
- Quartette, "The Carnival."

- SERENADER QUARTETTE.
- BAND. COLLINGWOOD CITIZENS' BAND.
- March, "Carnival King."
- Procession, "Volkslied."

- 8.45 p.m.—SYD BRICE, Comedian.
- "She Told me to Meet Her at the Park."
- 8.52 p.m.—STUDIO ORCHESTRA. Selection, "Pink Lady" (Ivan Caryll).
- 9.0 p.m.—MR. H. K. LOVE.
- "Technical Talk."

- 9.10 p.m.—COLLINGWOOD CITIZENS' BAND.
- Trombone Solo, "Lend Me Your Aid."
- Soloist, A. Thorn.

- 9.17 p.m.—MADAME LAMBERT, Soprano.
- "Serenade" (Strauss).
- 9.22 p.m.—MR. A. CHADWICK, Captain Melbourne Football Team, will speak on "Tomorrow's Match."

- 9.32 p.m.—STUDIO ORCHESTRA. Suite, "Don Quixote" (Bizet).
- 9.40 p.m.—VIN AND WINDLE.
- Imaginary, "Over Weight and Wait."

- 9.50 p.m.—"CARDIGAN," MR. H. A. SIOLEK, Sporting Editor of the "Argus" and "Australasian," will speak on Saturday's Races.

- 10.0 p.m.—COLLINGWOOD CITIZENS' BAND.
- Recitation, "Recollections of Wales."
- 10.10 p.m.—MADAME LAMBERT, Soprano. "Parle" (Liszt).
- 10.17 p.m.—"Argus" News Service. British Official Wireless News from Rugby; Meteorological Information.

- 10.24 p.m.—J. ALEXANDER BROWNE, Baritone.
- "Sea Fever" (Ireland).
- "Come to the Fair" (Martini).

- 10.30 p.m.—COLLINGWOOD CITIZENS' BAND.
- March, "Fox and Hounds."
- Ensemble, "Fritz! Why I Love You."
- 10.41 p.m.—RUSSELL CALLOW, Tenor.
- "Mountain Lover" (Squire).
- "O Sole Mio" (Capua).

- 10.50 p.m.—Announcement; Road Notes supplied by the Automobile Club of Victoria.
- 11.0 p.m.—OUR GREAT THOUGHT.
- "To bear adversity with an equal mind is both the sign and glory of a brave spirit."

- 11.1 p.m.—JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS.
- "That Samson and Delilah Melody" (Grey).
- "You've Got To Black Shuffle" (Sparks).
- "Rose Colored Glasses" (Bryce).
- "Am I Wasting my Time" (Bibbo).
- "The Village Blacksmith Song, two changes" (The). "Why I Love You" (Donaldson).
- "Ombra Oh" (Arr. Berge).
- "Ho, Ho, Tom Merrin" (Brown).
- "Mr. To, He, Ho, Ha-Ha" (Wood).
- "Burgundy" (Muller).
- "In A Little Spanish Town" (Wagner).
- "Jodeling" (Weser).
- "To-Morrow My Night With Baby" (Kemper).
- "Yes, Yes, Blackbird" (Dixson).
- "I Wish I Had My Old Girl Back" (Yelen).

4QG, BRISBANE

Queensland Radio Service.
Wave Length, 385 Metres.

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

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 Gibborne Radio Co., Gisborne.
Power 50 Watts; Wave-length, 260 Metres.

- 1.20 p.m.—From Hotel Carlton; Lunch Hour Music played by Hotel Carlton Symphony Orchestra.
- 1.58 p.m.—From the Observatory; Standard Time Signal.
- 2.30 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; News Service supplied by "The Telegraph."
- 4.40 p.m.—Close Down.

EARLY EVENING SESSION.

- 4.0 p.m.—"Daily Standard" News; Weather Information; Announcements.
- 4.30 p.m.—Bedtime Stories by "The Bandman."
- 7.0 p.m.—Market Reports; Stock Reports.
- 7.30 p.m.—Announcement.
- 7.40 p.m.—Standard Time Signal.

NIGHT SESSION.

W.E.A. MUSIC CLASS.

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

The object of holding the classes at 40G is to 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 begin 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.

7.45 p.m.—Music Class.

CADENZA PLEURAL CLUB.

- 8.0 p.m.—From the Studio; Weekend road information for motorists, officially supplied by the Royal Automobile Club of Queensland. Meteorological Weather Forecast; Overture, "Hellas" (Hindtith), Mrs. Matthews' Cadenza Pleural Club; a thought for tonight (WOL K. Lister), "The End," two mandolins and mandola, "Ladder of Love" (Lobb), the Cadenza Trio vocal solo, "My Land of Dreams" (Gleiss Wrona) with orchestral accompaniment—Mrs. L. Hunter; music and mirth by "The Mahoney Duo"; romance "Alto Sella Confidante" (C. Green); "Water, Cadenza Sextet; contralto solo, "Down Here" (Brake), Miss Vera Parker; two mandolins and piano, "Serenade" (Ch. M. Wilder), Cadenza Trio; contralto solo, "A Love Remembered Not" (Furster), Miss Vera Parker; polka brillante, "Punto a Virginia" (E. Becucci), the Cadenza Pleural Club.
- 10.0 p.m.—"The Daily Mail" News; Weather News; To-morrow's Sporting Pictures (Close Down).

5CL, ADELAIDE

Central Broadcasters, Ltd.

Wave Length, 305 Metres.

- Friday
- MORNING SESSION.
- 12 noon—G.P.O. chimes.
- 12.1 p.m.—Recital on the New Reproducing Sonora and the Autotype Repetitioner.
- 12.30 p.m.—"Advertiser" news service.
- 12.55 p.m.—Market reports.

- 1 p.m.—Musical programme continued.
- 2 p.m.—G.P.O. chimes and close down.
- 3 p.m.—AFTERNOON SESSION.
- 3 p.m.—G.P.O. chimes.
- 3.1 p.m.—From the Maple Leaf Cafe—Orchestral selections.
- 3.45 p.m.—From the Studio—Musical items.
- 4 p.m.—G.P.O. chimes.
- 4.1 p.m.—From the Arcadia Cafe—Orchestral selection.
- 4.55 p.m.—Station announcements.
- 5 p.m.—G.P.O. chimes and close down.
- 5 p.m.—EVENING SESSION.
- 6 p.m.—G.P.O. chimes.
- 6.1 p.m.—Dinner music by the Covent Garden Orchestra.
- 6.45 p.m.—Bedtime stories.
- 7.30 p.m.—Market reports.
- 7.40 p.m.—Sporting talk by "Metropolitan."
- 8 p.m.—G.P.O. chimes.
- 8.1 p.m.—Malcolm Reid's Orchestra.
- 8.15 p.m.—Song, Mr. Chas. Burgess.
- 8.19 p.m.—Malcolm Reid's Orchestra.
- 8.45 p.m.—Song, Mrs. W. Harry.
- 8.50 p.m.—Malcolm Reid's Orchestra.
- 8.45 p.m.—Song, Mr. Eric Wickens.
- 9 p.m.—G.P.O. chimes.
- 9.1 p.m.—Weather report.
- 9.3 p.m.—Wheat report.
- 9.4 p.m.—Malcolm Reid's Orchestra.
- 9.15 p.m.—Scientific talk by Professor A. J. Parkin, (Director of Agriculture).
- 9.30 p.m.—Song, Mr. Syd. Morrell.
- 9.34 p.m.—Recital, Mr. Frank Part.
- 9.40 p.m.—Malcolm Reid's Orchestra.
- 9.50 p.m.—Song, Mr. Chas. Burgess.
- 9.54 p.m.—Cornet solo, Mr. Vern Rogers.
- 9.58 p.m.—Song, Mrs. W. Harry.
- 10 p.m.—G.P.O. chimes.
- 10.1 p.m.—"Artistic" news service.
- 10.15 p.m.—Malcolm Reid's Orchestra.
- 10.25 p.m.—Malcolm Reid's Orchestra.
- 10.35 p.m.—Recital, Mr. Frank Part.
- 10.45 p.m.—Recital, Mr. Frank Part.
- 10.52 p.m.—Malcolm Reid's Orchestra.
- 10.55 p.m.—Song, Mr. Syd. Morrell.
- 11 p.m.—G.P.O. chimes and close down.

- 5 p.m.—G.P.O. clock and chimes.
- Broadcasters' Topical Chorus.
- 5.3 p.m.—Miss Gladys Hart, soprano.
- 5.40 p.m.—Mr. Douglas Graham, Scotch comedian.
- 5.47 p.m.—Miss Maisie Barnett, contralto.
- 5.54 p.m.—Miss Eily Dalgleish, oboist.
- 5.58 p.m.—Broadcasting from Maroubra Speedway.
- 5.55 p.m.—Resume of following day's programme.
- 9 p.m.—G.P.O. clock and chimes.
- 9.1 p.m.—Broadcasting from Maroubra Speedway.
- 8.15 p.m.—Miss Gladys Hart.
- 8.19 p.m.—Broadcasting from Maroubra Speedway.
- 8.40 p.m.—Mr. Douglas Graham.
- 8.47 p.m.—Broadcasting from Maroubra Speedway.
- 8.55 p.m.—Miss Maisie Barnett.
- 9.02 p.m.—Broadcasting from Maroubra Speedway.
- 10.8 p.m.—Miss Eily Dalgleish.
- 10.15 p.m.—The Ambassadors' Dance Band broadcast from the ballroom of the Ambassadors. During intervals between dances, "gossip" news will be broadcast.
- 11.00 p.m.—National Anthem.

3LO, MELBOURNE

Saturday.

MORNING SESSION.

THE STUDIO ORCHESTRA.

- EUGENIE DUGGAN, Accompanist.
- FRANKLIN STONHAM, Clarinet.
- HUXHAM'S SERENADERS.
- WIN AND WINDLE.
- RUSSELL CALLOW, Tenor.
- WALTER SMITH, Cornet.
- SYD. BECK, Comedian.
- Announcer..... ALFRED ANDREW.
- Accompanist..... AGNES FORTUNE.
- "FOR A YOUNG HEART EVERYTHING IS FUN"—Dickens.
- 11.0 a.m.—STUDIO ORCHESTRA, Selection, "No. No. Nanette" (Youmans).
- 11.10 a.m.—EUGENIE DUGGAN, "The Jasmine Flower" (Lord Lott).
- "Lorraine Loree" (Kinsey).
- 11.17 a.m.—FRANKLIN STONHAM, Clarinet and AGNES FORTUNE, Piano, "Adagio from Sonata" (E. Prout).
- 11.24 a.m.—STUDIO ORCHESTRA, "Merry Widow" (Lohar).
- 11.31 a.m.—HUXHAM'S SERENADERS, Quartette, "Thank God for a Garden."
- EDITH HUXHAM, DOLLY BURDETT, RENN MILLAR, HUGH HUXHAM, Contralto Solo, "Yes."
- DOLLY BURDETT, Studio Orchestra, "Nights of Gladness."
- Quartette, "Farmyard Medley."
- SERENADER QUARTETTE, Bass Solo, "The Ringers."
- RENN MILLAR, Studio Orchestra, "First Courtship" (Lindgreen).
- Operatic Quartette, "Hi Bacis."
- SERENADER QUARTETTE.
- 12 noon.—Time Signal; British Official Wireless news from Rugby; Reuter's and the Australian Press Association Cables; "Arzus" and "Herald" News Services.
- 12.20 p.m.—STUDIO ORCHESTRA, Selection, "Martha" (Flotow).
- 12.30 p.m.—WIN AND WINDLE, "The Way to the River."
- 12.40 p.m.—Stock Exchange Information.
- 12.50 p.m.—STUDIO ORCHESTRA, "High Jinks" (Priml).
- 1.0 p.m.—RUSSELL CALLOW, Tenor, "Come, For It's June" (Forster).
- 1.7 p.m.—WALTER SMITH, Cornet, "Where my Caravan Has Rested."
- 1.14 p.m.—Meteorological Information.
- 1.20 p.m.—STUDIO ORCHESTRA,

- "Twilight Recario" (Thome).
- 1.30 p.m.—Description of Kharitoun Hurdle, Caulfield Races, by "Musket," of the "Sporting Globe."
- 1.45 p.m.—SYD BECK, Comedian, "Wireless on the Brain."
- 1.45 p.m.—RUSSELL CALLOW, Tenor, "Hawaii's Song" (Ellis).
- 1.52 p.m.—STUDIO ORCHESTRA, Suite from "The Samson Jokes" (Gene).
- 2.0 p.m.—Close Down.
- 2.30 p.m.—Description of Katarata Two-Year-Old, Caulfield, Close Down.
- 2.47 p.m.—League Football, Melbourne v. Richmond, Description from Melbourne Cricket Ground.

AFTERNOON SESSION.

- JOE ARONSON AND HIS SYNOPIATING SYMPHONISTS.
- 3.0 p.m.—JOE ARONSON AND HIS SYNOPIATING SYMPHONISTS, "Sunday" (Miller).
- 3.3 p.m.—Description of Gumbudji Cup, Caulfield Races, by "Musket," of the "Sporting Globe."
- 3.45 p.m.—League Football, MELBOURNE v. RICHMOND, Quarter Time, Description from Melbourne Cricket Ground.
- 3.55 p.m.—JOE ARONSON AND HIS SYNOPIATING SYMPHONISTS, "Hello, Little Girl of My Dreams" (Berk).
- "The Original Black Bottom" (Henderson).
- "Hello Aloha" (Bary).
- "Let's All Have Food" (Lemle).
- "Consolation" (Gandy).
- "Ruff n' ready" (Bary).
- 3.50 p.m.—Description of Neezing Steeple, Caulfield Races, by "Musket," of the "Sporting Globe."
- 3.50 p.m.—League Football, MELBOURNE v. RICHMOND, Half Time, Description from Melbourne Cricket Ground.
- 4.0 p.m.—JOE ARONSON AND HIS SYNOPIATING SYMPHONISTS, "The More We Are Together."
- "Mary Lou" (Lyman).
- "Baby Face" (Skit).
- "Somebody's Lonely" (Davie).
- "Just One More Kiss" (Gandy).
- 4.15 p.m.—Description of Glenferrie Handicap, Caulfield Races, by "Musket," of the "Sporting Globe."
- 4.25 p.m.—JOE ARONSON AND HIS SYNOPIATING SYMPHONISTS, "Just a Bird's Eye View" (Donaldson), "Thinking of You" (Aeh).
- "Princess Betty's Lullaby" (Stoneham).
- "Rose Marie" (Priml).
- 4.25 p.m.—League Football, MELBOURNE v. RICHMOND, Three-quarter time, Description from Melbourne Cricket Ground.
- 4.45 p.m.—"Herald" News Service; Stock Exchange Information.
- 4.50 p.m.—Description of Brighton Handicap, Caulfield Races, by "Musket," of the "Sporting Globe."
- 5.0 p.m.—League Football, MELBOURNE v. RICHMOND, Final Score, transmitted from Melbourne Cricket Ground.
- 5.10 p.m.—Close Down.

EVENING SERVICE.

- 5.30 p.m.—Sporting Results.
- 5.40 p.m.—CHILDREN'S HOUR, Answers to letters and birthday greetings.
- 5.55 p.m.—"LITTLE MISS KOOKABURRA" will tell her little Kookaburras about "Puss and Patch" (the family pets), who ran away from home.
- 6.05 p.m.—HUXHAM'S SERENADERS, in something entertaining for the children, as well as Buys' Selections by THELMA READY.
- 6.20 p.m.—CAPT. DONALD MACLEAN, "How Pirre Le Grand took the Spanish Vice-Admiral's Great Treasure Galleon."
- 6.35 p.m.—"Arzus" and "Herald" News Services; Weather Information; Aerial Mail information by the Australian Aerial Services, Ltd.
- 6.47 p.m.—Stock Exchange Information; Overseas Shipping.

Saturday, April 30 2BL, SYDNEY

- 12 noon.—G.P.O. clock and chimes.
- 12.1 p.m.—Special ocean forecast and weather report.
- 12.2 p.m.—Musical programme from the Studio.
- 12.9 p.m.—News from the "Sun."
- 12.15 p.m.—Women's Session. (Conducted by Mrs. Jordan).
- Social notes.
- Replies to correspondents.
- Talk on "Simple Cooking for Children" by Mrs. Jordan.
- 1 p.m.—Musical programme from the Studio.
- 1.15 p.m.—Talk on sporting and athletic fixtures for the day, lacrosse, hockey, tennis, football, sailing, boating. During the afternoon sporting information will be broadcast by courtesy of the "Sun" newspapers interspersed with musical programme from the Studio.
- 4.55 p.m.—Resume of night's programme.
- 6 p.m.—G.P.O. clock and chimes.
- 6.1 p.m.—Racing resume.
- 6.5 p.m.—Close down.
- EARLY EVENING SESSION.
- 6.55 p.m.—G.P.O. clock and chimes.
- 6.45 p.m.—Uncle George and the kiddies. Hings will talk to the kiddies.
- 6.40 p.m.—Musical programme from the Studio.
- 7.15 p.m.—Results of all sporting information, including racing, bowls, tennis, swimming, sailing, athletics, by courtesy of the "Sun."
- 7.30 p.m.—Country news from the "Sun."

Burgess Went over the Pole with Byrd.

12/6

The Latest



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Increased Efficiency

12/6

Something New



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

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Double Plate

Double Filament

Double Grid

Anchored Top and Bottom

Factory Representatives

Norman L. Burnell & Co. (N.S.W.) Ltd.

"Burnell House," 350 Kent Street, Sydney

If your dealer does not stock them write us.

6.52 p.m.—Fish Market Reports, by J. R. Barrett, 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 Fruitgrowers' Association, compiled by "The Fruit World," exclusive to 31.0.

NIGHT SESSION.

Speakers:

MR. EDWARD SIMMS, MR. F. CHAPMAN, DR. LEACH, DR. BROOKE NICHOLLS, BRUNSWICK CITY BAND, Conductor, RUSSELL CALLOW, Tenor, MOANA LUA DUD, MADAME LAMBERT, THE FUTURISTS, GRACE AND KEATS, NEIL CRANE, WIN AND WINDLE, Announcer..... MAURICE DUDLEY

Accompanist..... AGNES FORTUNE
7.15 p.m.—MR. EDWARD SIMMS, Secretary Commonwealth Railways.

"Uniform Gauge for Australian Railways."
7.30 p.m.—MR. F. CHAPMAN.

"Natural History of Opals."
7.45 p.m.—DR. LEACH.

"Pelicans or Gannets."
8.0 p.m.—DR. BROOKE NICHOLLS.

"The Barrier at Low Tide."
8.15 p.m.—BRUNSWICK CITY BAND,

March, "Steel for Steel" (Home).
8.20 p.m.—RUSSELL CALLOW, Tenor,

"Prelude" (Ronald).
8.27 p.m.—MOANA LUA DUD,

Hawaiian Melodies.
8.34 p.m.—MADAME LAMBERT, Soprano,

"Valse Cent Vierge."
8.41 p.m.—BRUNSWICK CITY BAND,

Overture, "The Diamond Cross" (Greenwood).
8.50 p.m.—RUSSELL CALLOW, Tenor,

"Like Stars Above" (Squire).
"From the Land of the Sky Blue Water" (Cushman).
8.57 p.m.—MOANA LUA DUD,

"Island Memories."
9.4 p.m.—MADAME LAMBERT, Soprano,

"Valse Miroite."
9.12 p.m.—THE FUTURISTS, present their

"Wireless Waves."
The Futurists introduce themselves and sing an Opening Chorus.

IRA VANDA asks you to meet her Rag Time Army.

Tablino, A series of Sketches introduced by Gus Dawson.

(Note—Each of these Sketches will only take a few seconds.)

IRA VANDA and GUS DAWSON sing "Leva Schmidt," followed by a Dutch Clog Dance.

CYRIL NORTHCOPE will give a dramatic nautical recitation with the assistance of Dessy.

"Anny" (Brunie).
11.40 p.m.—GOD SAVE THE KING.

IRA VANDA sings "When I'll be Happy" C. W. DESMOND becomes a perfect jolly and takes you into her confidence.

The company tells you to "Save your sorrow till tomorrow."

8.12 p.m.—BRUNSWICK CITY BAND,

Selection, "Irish Airs" (Vols).
8.30 p.m.—GRACE AND KEATS,

Pierrette, Pierrot, and a Piano.
10.0 p.m.—Arise! News Service; British

Obituary News; Announcements.
10.10 p.m.—BRUNSWICK CITY BAND,

Intermezzo, "White Lilacs" (Home).
10.17 p.m.—NEIL CRANE, Comedienne,

"Radio Girl" (Lawrence).
"When Flower Power Her First Grey Hair"

10.25 p.m.—WIN AND WINDLE,
Comedy Drama, "It Might Have Been."

10.35 p.m.—BRUNSWICK CITY BAND,
Waltz, "Prairie Flower" (Greenwood).
March, "Oh Glory" (Home).

10.48 p.m.—Meteorological Information; Sporting Results.
11.0 p.m.—OUR GREAT THOUGHT.

"That nation is worthless which does not fully stake everything on her honor."
—SCHILLER.

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

"Baby Face" (Davies).
"At Ease With The World" (Berlin).

"Hi, Diddle, Diddle" (Coun).
"Nepollitan Nights" (Zamesnik).

"Precious" (Whiting).
"Katakala" (Tobias).

"Fire, Fire, Fire, Turn The Hoe On Me" (Gay).
"Princess Betty's Lullaby" (Stoneham).

"Any Ice To-day, Lady" (Bellard).
"Gimme A Little Kiss, Will Ya" (Fraz).

"Rose Marie" (Friml).
"Indian Love Call" (Friml).

"No Foolin'" (Owens).
"Blowing Off Steam" (Davis).

11.49 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Saturday.

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

The complete Afternoon Service will be relayed from the Seventh Day Adventist Church at South Brisbane.

9.30 p.m.—Opening hymn, "An Open Bible for the World" (words H. M. King, D.D., music W. J. Kirkpatrick); Scripture reading, Romans, Chapter 8; Invocation; Offertory and organ solo; hymn, "I've Reached the Land" (words E. Page, music, J. R. Sweney); sermon, "The Binding Influence of the Ten Commandments, and the consequently Moral Declension," by Pastor A. G. Chesson; hymn, "Abide With Me" (words H. P. Lyte, music, W. H. Monk); Benediction.

4.50 p.m.—Close Down.

EARLY EVENING SESSION.

6.50 p.m.—Children's Session—Bedtime Stories, by "Uncle Ben" and "Uncle Jim."

7.15 p.m.—Racing News; Football Results.

7.30 p.m.—Sailing Notes by "Tiller."

NIGHT SESSION.

7.45 p.m.—Gardening Talk, "Hedges and Hedge Plants"—by "Tecoma."

8.0 p.m.—From Gaiety Theatre, Townsley; Orchestral Music.

8.30 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.

SCL, ADELAIDE

Saturday.

MORNING SESSION.

Royal Visit Programme.

Central Broadcasters, Ltd., will extend to the Duke and Duchess of York a hearty welcome to South Australia, and will endeavor to give all listeners who are unable to be present a full description of the proceedings.

10.15 a.m.—Description of personages and decorations at Adelaide railway station until arrival of the Royal train at 11 a.m.

11 a.m.—Arrival of Royal Train. The lighting of their Royal Highnesses and introductions.

Commencement of procession from Adelaide railway station.

Description of processions from second vantage point, situated at Oliver J. Nilson and Mills.

Co.'s, King William Street, by Mr. F. J. Description from third vantage point, situated in the bell tower of Adelaide G.P.O.

Views obtained from this position will be the procession passing through Brown Street, Gouger Street, Victoria Square and arriving at the Adelaide Town Hall.

Civic welcome to the Duke and Duchess of York at the Adelaide Town Hall by the Lord Mayor (Mr. Wallace Bruce), aldermen and councillors of Adelaide.
From G.P.O. Tower.

Description of departure of the party from Adelaide Town Hall. From Oliver J. Nilson and Co.'s, King William Street, further descriptions of Royal processions, via King William Street, Rundle Street, and arrival at Government House.

Close Down.

1 p.m.—Relay from Morphettville Racecourse, by arrangement with the committee at S.A.J.C.

Running description of races by Mr. Arnold Treloar. Football and interesting racing results at intervals.

5 p.m.—Close Down.

EVENING SESSION.

6 p.m.—G.P.O. chimes.

6.15 p.m.—Relay from Covent Garden Restaurant—Orchestral selections.

7 p.m.—G.P.O. chimes.

7.1 p.m.—Bedroom stories.

7.30 p.m.—Market reports by Messrs. S. C. Ward and Co., A. E. Hall and Co., A. W. Sandford and Co., Hargety and Co., S.A. Farmers' Co-op.

7.40 p.m.—Sporting results.

8 p.m.—G.P.O. chimes.

8.1 p.m.—Relay from Adelaide Town Hall—Holden's Silver Band.

8.30 p.m.—Relay from top of T. and G. Building—Description of the illuminations of the city.

9 p.m.—G.P.O. chimes.

9.5 p.m.—Relay from Adelaide Town Hall—Holden's Silver Band.

10 p.m.—G.P.O. chimes.

10.1 p.m.—Sporting results.

10.20 p.m.—Relay from Osborne Hall—Carroll's Dance Orchestra.

11 p.m.—G.P.O. chimes and close down.

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Let Your Battery Save our Purse: Philco.

The WONDERFUL P.M. FILAMENT



Gives the right answer every time!

to the question which every valve user should ask if he desires the best and most economical radio reception.

Is it unbreakable? Yes! except with the very roughest handling.
Has it a low operating temperature? Yes! it does not even glow, thereby having a vastly increased life.

Is the emission surface of the filament generous? Yes! up to 5½ times that of an ordinary filament.

Is the current consumption low? Yes! the P.M. Filament consumes only one-tenth ampere, giving a longer life to each accumulator charge.

Does this valve use the same H.T. current as ordinary valves and give greater volume? Yes!

Has the P.M. Filament proved itself? Yes! it is the only filament which has a published National Physical Laboratory 1000 hours life test.

Ask your dealer for Mullard P.M. Valves, with the wonderful Mullard P.M. Filament, the only filament which can satisfy your demands.



ARKS 9.

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THE MASTER VALVE

All Mullard Valves are manufactured at Mullard Works, London, England.

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Advertisement of the MULLARD WIRELESS SERVICE CO. LTD., "MULLARD HOUSE", Denmark Street, London S.W. 2 England.

"Bajo La Sombra de las Palmeras" (Mexan).
MISS ANNIE PAYNE, Mexico.
 Mexican National Anthem (Natal).
MISS ANNIE PAYNE, Mexico, and Chorus.
6.45 p.m.—FROM THE CONGREGATIONAL CHURCH, PITT STREET, SYDNEY.
 Organ Solo.
 NOTE.—The programme by the Manly Municipal Band, from 3.30 p.m. to 5 p.m., is as follows:—
 1. March: "Sword of Damocles" (Hocquelin).
 2. Hymn: "Majestic Father" (Idykes).
 3. Tone Poem: "Inlandia" (Sibdus).
 4. Intermezzo "Luhama" (Hainos).
 5. Selection: "Reminiscences of Russia".
 6. Selection: "No. No. Nanette" (Youmans).
 7. Fox Trot: "Baby Face" (Davis).
 8. Waltz: "Student Prince" (Rombert).
 9. March: "Old Home" (Dones).
9 p.m.—"Big Ben."
FROM THE CONGREGATIONAL CHURCH, PITT STREET, SYDNEY. The Evening Service, conducted by the REV. T. E. RUTH.

8.27 p.m.—INTERVAL.
8.50 p.m.—FROM THE BAND ROTUNDA, MANLY BEACH—A programme arranged by the Manly Municipal Band, conducted by Mr. J. Theoung.
9.30 p.m.—FROM THE STUDIO, Mr. Oliver King, basso:
 "Arise, ye Subterranean Winds" (Purcell).
9.55 p.m.—Miss Mabel Hatchelor, soprano:
 "Tender Ties" (Delbruck).
9.55 p.m.—Mr. St. Quintin Downer, piano-forte solo:
 "First Movement Sonata Pathétique" (Beethoven).
9.45 p.m.—Mr. Oliver King, basso:
 (a) "The Old Shepherd's Song" (Fisher).
 (b) "The Lea, Lea, Old English Air".
9.55 p.m.—Miss Mabel Hatchelor, soprano:
 "Ave Maria" (Lemmon).
9.55 p.m.—Mr. St. Quintin Downer, piano-forte solo:
 (a) "Harp Study" (Chopin).
 (b) "Batterfly Study" (Chopin).
10.3 p.m.—Mr. Oliver King, basso:
 "Come, let's be merry" (Wibott).
10.8 p.m.—Miss Mabel Hatchelor, soprano:
 (a) "There is dew for the flower" (Lowan).
 (b) (Request) Aria from "Erwin" (Veidt).
10.15 p.m.—Mr. St. Quintin Downer, piano-forte solo:
 "Polonaise in A" (Chopin).
10.20 p.m.—National Anthem.
CLOSE DOWN.
AT THE PIANO—MR. HORACE KEATS.
 NOTE.—MANLY PROGRAMME FROM THE BAND ROTUNDA, MANLY BEACH.
 8.30 to 9.30 p.m.
 1. Fox Trot: "Will Ya" (Turk).
 2. Duet: "A Night in Venice" (Lugnont).
 (Baudman F. Chérierworth (Trumpets), and Kendsman S. Pheloung (Euphonium).
 3. Selection: "Rigoletto" (Verdi).
 4. Fox Trot: "Honey Bunch" (Priest).
 5. "Valse de Concert" (Méthé).
 6. Selection: "Patience" (Sullivan).

2BL, SYDNEY

Sunday.
10.10 a.m.—Special news service.
11 a.m.—Service broadcast from Randwick Presbyteran Church.
3.00 p.m.—Studio concert.
4.15 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 Petersham Baptist Church.
8.30 p.m.—Broadcasters' Trio.
8.40 p.m.—Miss Winifred Jenner, soprano.
8.47 p.m.—Mr. Leonard Mars, baritone.
8.54 p.m.—Mr. Bryce Carter, cello solos.
9.1 p.m.—Resume of following day's programme.

Weather report and forecast by courtesy of Mr. C. J. Marrs, Government meteorologist.
9.15 p.m.—Miss Edna Lister, contralto.
9.12 p.m.—Miss C. L. Robertson, soubrette.
9.20 p.m.—Broadcasters' Trio.
9.30 p.m.—Miss Winifred Jenner.
9.37 p.m.—Mr. Leonard Mars.
9.44 p.m.—Miss C. L. Robertson.
9.52 p.m.—Mr. Bryce Carter.
10 p.m.—G.P.O. clock and chimes.
10.1 p.m.—Miss Edna Lister.
10.5 p.m.—National Anthem.

2GB, SYDNEY

Sunday.
10.20 a.m.—Organ Music from St. Alban's.
10.30 a.m.—Morning Service from St. Alban's. Celebration of the Holy Eucharist. Sermon. 12 noon—Close down.
5 p.m.—Lecture from Adyar Hall.
8 p.m.—Music from Studio.
8.15 p.m.—Vocal Recital by pupils from the Studio of Church Hosking.

3 LO, MELBOURNE

Sunday.
MORNING SESSION.
10.30 a.m.—BELLS FROM ST. PAUL'S CATHEDRAL.
10.45 a.m.—British Official Wireless news from Rugby. Maximal trial information.
11 a.m.—SERVICE FROM WESLEYAN CHURCH. Unconquered by Rev. F. J. Jennings.
 Hymology.
 Invocation.
 Hymn: "O Day of Rest and Gladness."
 Prayer.
 Hymn: "Hark my Soul, it is the Lord."
 Solo.
 Scripture Reading: Heb. 13 Chapter.
 Anthem.
 Notices.
 Offerings.
 Children's Hymn: "Jesus is Our Shepherd."
SERMON: "Christ in the Midst."
 Hymn: "Jesus the Very Thought of Thee."
 Benediction.
12.15 p.m.—Close down.

AFTERNOON SESSION.
3 p.m.—PLEASANT SUNDAY AFTERNOON WESLEY CENTRAL MISSION.
 Chairman, Rev. J. H. CAIN.
 Conductor, Mr. G. M. WILLIAMS.
 Orchestral Selection.
 Hymn: "The Gospel Bells are Ringing."
 Prayer, Rev. C. Irving Benson.
 Hymn: "Lead, Kindly Light."
3.25 p.m.—DEDICATION of 5 Semi-tone BELLS in St. John's Church, Toorak, by the BISHOP OF WANGARATTA.
BELLS CHIME, including Hymn Tunes.
 SERMON by Congregation.
 Prayer and Reading.
PRESENTATION by the Vicar, Rev. Dr. A. LAW, on behalf of the Donor, MR. W. L. BAILLIEU, of Five Semi-tone Bells added to the Chime of Eight, in Memory of the late Mrs. Martha Martha Bailheue, Archbishop's Faculty authorizing erection.
DEDICATION by the Bishop of Wangaratta, including prayer.
SHORT CHIME.
ADDRESS by the Bishop.
4 p.m.—PLEASANT SUNDAY AFTERNOON WESLEY CENTRAL MISSION.
 National Anthem.
 Benediction.
4.30 p.m.—ORGAN RECITAL by DR. FLOYD, transmitted from ST. PAUL'S CATHEDRAL:
 "Cornelius March" (Mendelssohn).

"Idyll" (Edgar).
 Chorale—Prelude (Veni Creator) (Bach).
 "Aert: Harmonies du Soir" (Kargel).
5 p.m.—Close down.

EVENING SESSION.
6.40 p.m.—CHILDREN'S HOUR. Hymns by "THE BIED PIPERS":
 Hymn, "Pleasant Song."
 Hymn, "At Eventide."
6.50 p.m.—"HILLY BUNNY"
 "Parables for Little People."
7 p.m.—MUSICAL PROGRAMME by "THE BIED PIPERS"
 Chorus, "Australia, O thou favored Isle."
 Song, "The Rites of Arcady."
 Chorus, "I will lay me down in peace."
 Piano Solo, "The Little Soldiers."
 Chorus, "Mr. Spider and Miss Fly."
 Organ Solo.
 Chorus, "Angels that around us gather."
 Evening Hymn, "Now, I lay me down to sleep."
6.25 p.m.—Answers to letters and birthday greetings.
6.35 p.m.—"BILLY BUNNY":
 "The Life of Gordon."
6.45 p.m.—BELLS FROM ST. PAUL'S CATHEDRAL.

NIGHT SESSION.
SERVICE FROM SCOTS CHURCH, MALVERN TRAMWAYS BAND.
 Conductor, Mr. H. SHUGG.
 ELSIE DAVIES, Soprano.
 ALAN EDDY, Bass.
 MISS STEPHANIE DESTE,
 AUBURN METHODIST CHOIR.
 Accompanist: AGNES FORTUNE.
 Announcer: ALFRED ANDREW.
7 p.m.—SERVICE FROM SCOTS CHURCH:
 Treacher: The Rev. W. Beckland, D.D.
 Organist: Mr. Manley Greer.
 Psalm: 43 n.v., 65, "O, Send Thy Light Forth."
 Prayer.
 Prose Psalm 43: "As the Heart Panteth."
 Old Testament Lesson: Proverbs 30, n.v.
 Hymn 144, "Spirit Divine, attend our Prayers."
 Prayer of Intercession.
 New Testament Lesson, St. James 2, n.v. 14-26.
 Anthem, "Sing ye to the Lord."
 The Lord's Prayer. (The Congregation standing will unite).
SERMON.
 Hymn 116: "Ye Servants of the Lord."
 Imitations.
 Offering.
 Offertory.
 Hymn 618, "Oh Saviour, Bless Us."
 Benediction.
FROM THE STUDIO—
8.30 p.m.—MALVERN TRAMWAYS BAND:
 March, "Old Comrades" (Telke).
 Intermezzo, "Tender Vow" (Allester).
8.40 p.m.—ELsie DAVIES, Soprano:
 "Una voce poco fa" "Vajo."
8.47 p.m.—MALVERN TRAMWAYS BAND:
 Waltz, "Blue Danube" (Strauss).
8.54 p.m.—MISS STEPHANIE DESTE (of the "Rose Marie" Company, by permission of J. C. Williamson, Ltd.):
 "The First Chapter of the Second Book of Samuel."
 "The Belle" (Edgar Allan Poe).
 "L'Andalouse" (Alfred de Mus).
 "The Moon."
9.8 p.m.—AUBURN METHODIST CHOIR, under direction of MR. J. SUTTON CROWE:
 "Innigismo al Signor," Cavalleria Rusticana Soloist: ELSIE DAVIES, Soprano.
9.18 p.m.—MALVERN TRAMWAYS BAND:
 Hymn, "Nearer My God to Thee."
9.24 p.m.—ALAN EDDY, Bass:
 "Like as the Heart" (Alliston).
 "The Harvester's Night Song" (Barnton Fowler).
9.32 p.m.—MALVERN TRAMWAYS BAND:
 Grand Selection, "Patience."
9.42 p.m.—AUBURN METHODIST CHOIR:
 "Inflammatus"—Sabat Mater (Rostini).
 Soloist: ELSIE DAVIES, Soprano.
 "The King of Love My Shepherd is."

HERE'S BATTERY CONFIDENCE



The Clyde CR Radio Battery inspires confidence by its appearance. And its performance day in and day out proves that confidence justified. Clyde will bring out the best in any radio set, consistently.

CLYDE

CR RADIO BATTERIES

A Product of

THE CLYDE ENGINEERING CO. LTD.

Granville, Sydney, N.S.W.

At all Radio Dealers

Soloist, MRS. DANGERFIELD.
 9.50 p.m.—“Argus” news service. British official Wireless news. Meteorological information. Announcements.
 9.58 p.m.—OUR GREAT THOUGHT: “Be not afraid of enthusiasm, you need it, you can do nothing effectually without it.”—Guzior.
 10 p.m.—GOD SAVE THE KING.

4QG. BRISBANE

Sunday.

MORNING SESSION.

CITY TABERNACLE.

The complete Morning Service will be relayed from the City Baptist Tabernacle.

10.55 a.m.—Organ prelude; Doxology; Invocation and Lord's Prayer (sung); hymn 597, “How Pleased and Blest Was I?”; lesson, Ephesians II.; children's story; hymn 788, “God Make My Life a Little Light”; announcements; Offertory; Dedication; anthem, “As It Began to Dawn” (Marlin); prayer; hymn 489, “Lord from Whom All Blessings Flow”; sermon, subject “The Church as the Household of God”; text, Ephesians II., 19; hymn 481, “Blest be Thy That Binds”; Benediction; Sevenfold Amen.

12.10 p.m.—Close down.

AFTERNOON SESSION.

BAND CONCERT.

The Band Concert will be relayed from the Brisbane Botanic Gardens.

3.15 p.m.—Band Concert.

4.30 p.m.—Close Down.

NIGHT SESSION.

CHURCH SERVICE.

The complete Evening Service will be relayed from the Baptist City Tabernacle.
 7.45 p.m.—Organ prelude; hymn 692, “Head of the Church and Lord of All”; lesson I., Corinthians XII., 4-11; dust, “Lord Cause Thy Face to Shine” (Costa); prayer and Lord's Prayer (sung); hymn 164; announcements; Offertory; Dedication; anthem, “God Thou Art Great” (Spohr); hymn 475, “Glorious Things of Thee are Spoken”; sermon, subject, “The Church as the Body of Christ”; text, Ephesians I., 22-23; hymn 595, “Lord Speak to Me that I May Speak”; Benediction; Vesper, “Sun of My Soul”; organ postlude.

RAND CONCERT.

At the conclusion of the Church Service the Concert provided by the Brisbane Municipal Concert Band (conductor, Mr. E. Jackson) will be relayed from Wickham Park. The programme will include—Overture to “Nabuccodonosor” (Verdi); selection from “Parsifal” (Wagner); “Noll Gwynn Danes” (E. Gwynn).
 9.30 p.m.—Close down.

5CL, ADELAIDE

Sunday.

MORNING SESSION.

11 a.m.—G.P.O. Chimes.

11.15 a.m.—Relay from the Black Forest Church.

12 noon.—Close down.

EVENING SESSION.

6.16 p.m.—G.P.O. chimes.

6.31 p.m.—Sunday stories for children.

7 p.m.—G.P.O. chimes.

7.1 p.m.—Relay from Maughan Church.

8.19 p.m.—From Studio—Instrumental and vocal concert by Signer Angelo Demodena. Mr. Tom King, Miss Lyanne Gilbert, Mr. Ken Hughes.

9 p.m.—G.P.O. chimes.

9.1 p.m.—Talk on “David Livingstone” by Mr. P. H. Nicholas.
 Concert continued.

Monday, May 2 2FC, SYDNEY

MIDDAY SESSION.

12 p.m.—“Big Ben” and announcements.
 12.1 p.m.—Stock Exchange first call.
 12.15 p.m.—Official weather forecast, rainfall, temperatures, 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. Rugby news.
 12.35 p.m.—Miss Eileen Jenkins, soprano—“Tie Tie” (Clare).
 12.40 p.m.—Studio music.
 12.45 p.m.—Last minute sporting information by the IFC Racing Commissioner.
 1 p.m.—“Big Ben”. Weather intelligence.
 1.1 p.m.—“Evening News” midday news service. Producer's Distributing Society's report.
 1.20 p.m.—Studio music.
 1.25 p.m.—Stock Exchange information, second call.
 1.30 p.m.—Marching music for school children.
 1.40 p.m.—Miss Eileen Jenkins, soprano—“Farewell to summer” (Johnson).
 1.45 p.m.—Studio music.
 2 p.m.—“Big Ben”. Close down.

AFTERNOON SESSION.

3 p.m.—“Big Ben” and announcements.
 3.5 p.m.—The first act of a comedy in three acts—“THE YOUNG PERSON IN FINK” prepared for the radio by Coddington Ball and played by the Elocutionary pupils of the MacCunn school of music.
 3.50 p.m.—Marching music for school children.
 3.55 p.m.—FROM FARMER'S TEA ROOMS—Miss Joyce Gillespie soprano.
 3.45 p.m.—FROM THE STUDIO—A talk.
 4 p.m.—“Big Ben”. FROM FARMER'S TEA ROOMS—Miss Dorothy Benbow contralto.
 4.1 p.m.—FROM THE STUDIO—Mr. William Bower, baritone—Youth (Allison).
 4.10 p.m.—Studio music.
 4.20 p.m.—FROM FARMER'S TEA ROOMS—Miss Joyce Gillespie, soprano.
 4.25 p.m.—FROM THE STUDIO—Musical Items.
 4.35 p.m.—Mr. William Bower, baritone—“Tommy Lad” (Margaret).
 4.40 p.m.—FROM FARMER'S TEA ROOMS—Miss Dorothy Benbow, contralto.
 4.45 p.m.—FROM THE STUDIO—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” (talk to the children).
 6.10 p.m.—A serial story for the older ones.
 6.40 p.m.—Dinner music.
 7 p.m.—“Big Ben”. Late sporting news.
 7.19 p.m.—Dalgely's Market reports (wool, 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.

7.50 p.m.—Studio Items and Programme Announcements.
 8.0 p.m.—“Big Ben”. FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY. Items by the Haymarket Opera Orchestra, under the baton of Mr. Stanley Porter.
 8.16 p.m.—A Vaudeville Programme.
 8.30 p.m.—FROM THE STUDIO: Mr. Norman Janson, baritone, “The Pagan” (Lohr).
 8.34 p.m.—Miss Leslie Elliott, Entertainer, “Keep Up Your Pecker” (Elliott).
 8.38 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY: Orchestral Items.
 8.50 p.m.—FROM THE STUDIO: Mr. Jack Lumadine (songs at the piano), makes his final appearance before leaving for a tour of New Zealand.
 9.0 p.m.—“Big Ben”. Mr. Norman Janson, Baritone, “Lady Mine.”

9.5 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY: Vocal Act.
 9.20 p.m.—A Vaudeville Programme.
 9.50 p.m.—FROM THE STUDIO: Mr. Jack Lumadine, songs at the piano.
 10.0 p.m.—“Big Ben”. Mr. Norman Janson, baritone, “Down Backway Way” (Barry).
 10.4 p.m.—Miss Leslie Elliott, Comedienne, (a) “I Shall Say to ‘im” (Elliott), (by special request).
 (b) “Studdle the Rainbow” (Elliott).
 10.14 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY: Orchestral Items under the baton of Mr. Stanley Porter.
 10.24 p.m.—FROM THE STUDIO: Mr. Norman Janson, baritone, “King's Man” (Hullman).
 10.28 p.m.—Vaudeville Items
 10.40 p.m.—FROM THE STUDIO: Miss Leslie Elliott, Comedienne, “When They Introduced the Jax in Donegal” (Elliott).
 10.44 p.m.—FROM THE WENTWORTH CAPE, CHURCH HILL, SYDNEY: Items by the New Wentworth Southsian Dance Orchestra, under the baton of Mr. Frederick Leighton.
 10.57 p.m.—Late News and Announcements.
 11.0 p.m.—“Big Ben”. National Anthem; Close Down.

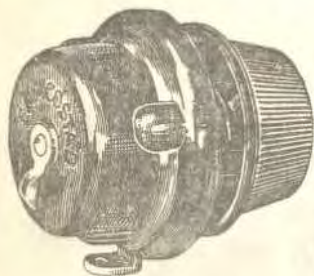
2BL, SYDNEY

Monday.

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.—Bulls 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 serial market report.
 12.24 p.m.—Dairy and farm produce market report.
 12.24 p.m.—Hacing resumé.
 12.20 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.—Hilliers' Instrumental Quartet—Drektion, Caryl Gaelling.
 1.30 p.m.—News from the “Sun.”
 1.40 p.m.—Musical programme from 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.
 2.20 p.m.—Women's Session. (Conducted by Mrs. Jordan).
 Talk by Miss Gwen Varley, Broadcasters' women's sports authority.
 Social Notes.
 Replies to correspondents.
 Talk on “Hicks in Dies,” by Mrs. Jordan.
 3 p.m.—G.P.O. clock and chimes.
 3.1 p.m.—Musical programme from the Studio.
 3.15 p.m.—News from the “Sun.”
 3.21 p.m.—Talk on the Grand Opera, illustrated by H. M. V. Records.
 3.30 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.—Social story, entitled “The Borrowed Shield.”
 4.30 p.m.—G.P.O. clock and chimes.
 4.41 p.m.—Musical programme from the Studio.
 4.41 p.m.—News from the “Sun.”
 4.50 p.m.—Racing resumé.

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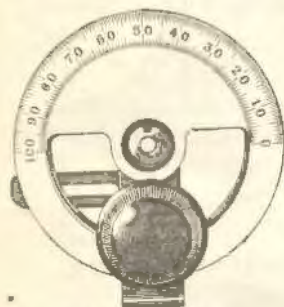
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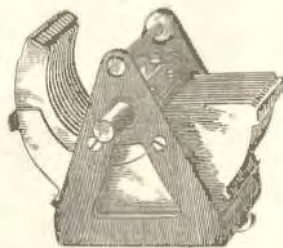
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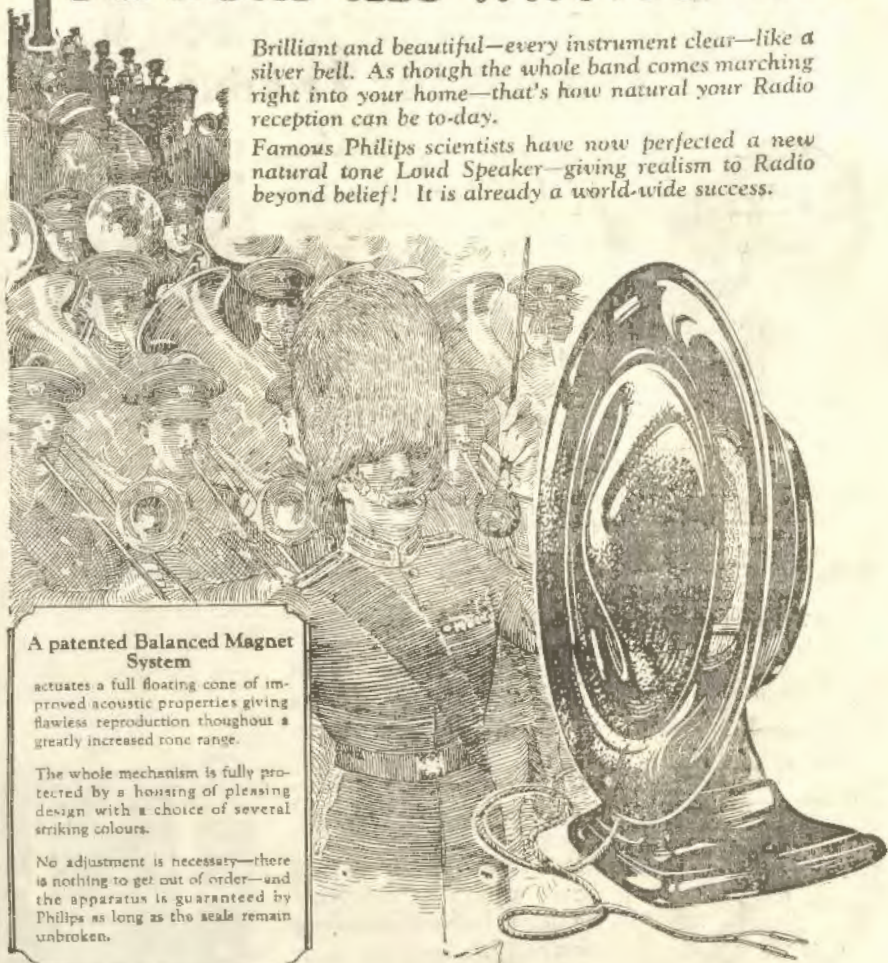
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so low that no glow is discernible when working at the correct filament voltage. No precious electrons are wasted in bringing the Philips filament to white or even to red heat.

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PHILIPS

LAMPS AND RADIO

4.52 p.m.—Producers' Distributing Society's fruit and vegetable market report.
 4.54 p.m.—Resume of night's programme.
 4.56 p.m.—Announcements.
 4.58 p.m.—Special ocean forecast.
 5 p.m.—G.P.O. clock and chimps.
 Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. clock and chimps.
 5.46 p.m.—Dance Loggins and the Middle.
 5.48 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. clock and chimps.
 Australian Maccantille, Land, and Finance Co's report.
 Weather report by courtesy of the Government Meteorologist.
 Producers' Distributing Society's fruit and vegetable market report.
 Stock Exchange reports.
 Grain and Feeder report ("Sun").
 Dairy produce report ("Sun").

7.15 p.m.—Country news from the "Sun."
 Books to read.

8 p.m.—G.P.O. clock and chimps.
 Broadcasters' Topical Chorus.

8.3 p.m.—Newtown Band broadcast from Industrial Hall, Newtown.

8.23 p.m.—Mr. Dick Matthews, comedian.

8.50 p.m.—Miss Rosina Palmerston, songs at the piano.

8.57 p.m.—Mr. Stan Cartrell, comedian.

8.44 p.m.—The Carmina Duo.

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

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

9.6 p.m.—Newtown Band.

9.26 p.m.—Mr. Manuel D'Alcaser, dramatic artist.

9.36 p.m.—Mr. Norman Wright, tenor.

9.43 p.m.—Miss Marjorie Skill, soprano.

9.50 p.m.—Mr. Herbert Hinchcliffe, baritone.

9.57 p.m.—A few news items.

10.11 p.m.—Mr. Dick Matthews.

10.18 p.m.—Miss Rosina Palmerston.

10.25 p.m.—Mr. Stan Cartrell.

10.32 p.m.—Mr. Norman Wright.

10.39 p.m.—Miss Marjorie Skill.

10.46 p.m.—Mr. Herbert Hinchcliffe.

10.53 p.m.—The Ambassadors' 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 p.m.—G.P.O. clock and chimps.
 National Anthem.

2GB, SYDNEY

Monday.

9 a.m.—Music.
 9.15 a.m.—"Cherrio" Talk.
 9.15 a.m.—Music.
 9.25 a.m.—Psychological Class.
 9.40 a.m.—Music.
 9.40 a.m.—Health and Diet.
 10 a.m.—Close down.

AFTERNOON SESSION.

2.30 p.m.—Music.
 3.27 p.m.—Talk.
 3.32 p.m.—Music.
 4.7 p.m.—Music and Talk.
 4.22 p.m.—Music.
 4.30 p.m.—Close down.

EVENING SESSION.

8.30 p.m.—Children's Session.
 7 p.m.—Music from the Studio.
 7.6 p.m.—Talk.
 7.15 p.m.—Music.
 7.20 p.m.—Topical Talk.
 7.30 p.m.—Music.
 7.35 p.m.—Talk to Men.

7.55 p.m.—Instrumental Trio: DAN SCULLY, MURIEL LANG, ADA BROOK.
 8.5 p.m.—Address by PROF. E. WOOD.
 8.20 p.m.—Songs.
 8.27 p.m.—Instrumental Quartette: DAN SCULLY, MONICA HORDER, MURIEL LANG, ADA BROOK.
 8.50 p.m.—Announcements.
 8.55 p.m.—Cello Solos by MURIEL LANG.
 9 p.m.—Topical Talk.
 9.15 p.m.—Instrumental Trio: MONICA HORDER, MURIEL LANG, ADA BROOK.
 9.30 p.m.—Songs.
 9.37 p.m.—Duets for two violins, with piano accompaniment: DAN SCULLY, MONICA HORDER, ADA BROOK.
 9.47 p.m.—Piano Solos by ADA BROOK.
 9.55 p.m.—Great Thoughts.
 10 p.m.—Close down.

3LO, MELBOURNE

Monday.

MIDDAY SESSION.

GRACE AND KEATS.
 EUGENIE DUGGAN.
 DOROTHY ROXBURGH.
 RUSSELL CALLOW, Tenor.
 9 NELL CRANE, Comedienne.
 Speakers: CAPTAIN DONALD MACLEAN.
 THE STUDIO ORCHESTRA.
 Accompanist AGNES FORTUNE
 Announcer MAURICE DUDLEY

A LIGHT CLASSICAL HOUR.

12 noon.—Time Signal, British Official Wireless news from Rugby, Reuters and The Australian Press Association Cables.

"Argus" and "Herald" news service.

12.20 p.m.—GRACE AND KEATS:
 "Pierrette, Pierrot and a Piano."

12.27 p.m.—STUDIO ORCHESTRA:
 "Three Irish Pictures" (John Ann.)

12.37 p.m.—Stock Exchange information.

12.47 p.m.—STUDIO ORCHESTRA:
 "Gypsy Rondo" (Haydn).

12.52 p.m.—CAPTAIN DONALD MACLEAN:
 "How Drake Captured a Great Spanish Treasure."

1.7 p.m.—STUDIO ORCHESTRA:
 "Momento Capriccioso" (Weber).

1.16 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.—EUGENIE DUGGAN, Recital:
 "The Gambler's Wife."

1.27 p.m.—DOROTHY ROXBURGH, Viola.
 "Allegretto."

1.34 p.m.—RUSSELL CALLOW, Tenor:
 "Onway Awake? Beloved!" (Coleridge Taylor).

"Give a Man a Horse he can ride" (O'Hara)

1.40 p.m.—STUDIO ORCHESTRA:
 "Oh! Oh! Delphine" (Ivan Caryill).

1.50 p.m.—NELL CRANE, Comedienne:
 "Some day I'll make you love me" (Grey).
 "I'm glad I'm born an Aussie" (Lawrence)

2 p.m.—Close down.

AFTERNOON SESSION.

Speakers:
 MRS. DOROTHY SILK.
 MISS FLORA PELL.
 MADAME LAMBERT, Soprano.
 TASMA TIERNAN, Cello.
 RAYMOND LAMBERT, Piano.
 BERTHA JORGENSEN, Violin.

THE STUDIO ORCHESTRA.

Accompanist AGNES FORTUNE
 Announcer MAURICE DUDLEY

DOMESTIC ACCOMPLISHMENTS.

3 p.m.—STUDIO ORCHESTRA:
 "St. Agnes' Eve" (Col. Taylor).

3.10 p.m.—MRS. DOROTHY SILK:
 "Homestead."

3.25 p.m.—MADAME LAMBERT, Soprano:
 "For ever and ever" (Tosti).

"Madrigal" (Chaminade).

3.32 p.m.—STUDIO ORCHESTRA:
 Valse Intermezzo, "You and I" (Lambelet).

3.42 p.m.—TASMA TIERNAN, Cello:
 "Meditation" (Gounod).
 "Gavotte" (Gossec).
 3.50 p.m.—RAYMOND LAMBERT, Pianoforte Recital:
 "First Movement Moonlight Sonata" (Bethoven).
 "Revolutionary Study" (Chopin).
 "Polonaise A Flat" (Jeu au RAVE).
 4.5 p.m.—STUDIO ORCHESTRA:
 "Narcissus Suite" (Tschakowsky).
 4.15 p.m.—MADAME LAMBERT, Soprano:
 "Marchita."
 "O Sole Mio."
 4.22 p.m.—BERTHA JORGENSEN, Violin:
 4.30 p.m.—MISS FLORA PELL, Inspector of Schools:
 "Domestic Science."
 4.45 p.m.—"Herald" news service. Stock Exchange information.
 5 p.m.—Close down.

EVENING SESSION.

Accompanist ELSIE BRADSHAW
 5.40 p.m.—CHILDREN'S CLUB. Answers to Letters and Birthday Greetings.
 5.55 p.m.—"LITTLE MISS KOOKABURRA" will tell her little sisters and brothers a story about a little bear named "Suzzy," the Hobbleskney.

6.5 p.m.—FRIDA NORTHCOTE:
 "His Lullaby" (Jacobs Bond).
 "Good Morning, Brother Sunshine" (Lehmann).

9.12 p.m.—ELsie BRADSHAW will play two little pieces for the children.

9.18 p.m.—FRIDA NORTHCOTE:
 "That Fat 'B' Fellow."
 "Snowflakes."

9.24 p.m.—"LITTLE MISS KOOKABURRA," first instalment of a new serial: "The Cruise of the Swozy Jane."

9.36 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. Barrett, Ltd.

9.55 p.m.—River reports.

9.59 p.m.—Market reports by the Victorian Producers' Co-operative Co. Ltd. Newmarket Sheep sales, Poultry, Grain, Hay, Chaff, Straw, Jute, Dairy Produce, Potatoes and Oatmeal.

10 p.m.—Fruit Market reports by the Victorian Wholesale Fruitlers' Association, compiled by the "Fruit World," exclusive to 3LO.

NIGHT SESSION.

Speakers:
 MR. E. C. H. TAYLOR.
 MR. H. F. CLINTON.
 DR. BROOKE NICHOLLS.
 DE. C. G. McADAM.
 CAPTAIN DONALD MACLEAN.
 RAILWAYS MILITARY BAND.

RUSSELL CALLOW, Tenor.

MADAME LAMBERT, Soprano.

SYD BECK, Comedian.

U'MARA AND BOURKE, Entertainers.

UNIVERSITY CONSERVATORIUM CONCERT.

JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.

Accompanist AGNES FORTUNE
 Announcer ALFRED ANDREW

"MUSIC SHOULD STRIKE FIRE FROM THE HEART OF MAN, AND BRING TEARS FROM THE EYES OF WOMAN."—Beethoven.

7.16 p.m.—Under the auspices of the Boy Scouts' Association, DR. C. G. McADAM:
 "Scouts and the Royal Visit."

7.30 p.m.—MR. E. C. H. TAYLOR:
 "School Life and School Sport."

7.45 p.m.—Under the auspices of the Department of Agriculture, Mr. H. F. CLINTON, Asst. Poultry Expert:
 "Poultry Parasites."

8 p.m.—DR. BROOKE NICHOLLS:
 "Queer Captives."

8.15 p.m.—RAILWAYS MILITARY BAND:
 Overture, "Weber" (Weber).

8.25 p.m.—RUSSELL CALLOW, Tenor:
 "Spifito Gentil" (Donizetti).

"When the Night with Stilly Silence" (Roberti).

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3.32 p.m.—CAPTAIN DONALD MACLEAN: "The Great Adventure of the Golden Hind"
 3.47 p.m.—RAILWAYS MILITARY BAND:
 "A Southern Wedding" (Lottler).
 Humorous Descriptive Sketch.

Synopsis.

1. It is night. The moon sleeps peacefully
 and dreams of his happy bachelor days—
 his favorite, close and waltz dances appear
 to him in a vision. He snore lustily. Dawn
 approaches. The clock in a neighboring
 asleep strikes seven. A cock crows. The
 alarm clock in his bedroom rings.

2. The moon arises from his slumber. It is
 his wedding day.

3. He indulges in a merry dance.

4. He enthuses on his future happiness,
 whistling his favorite negro melody.

5. The wedding bells ring and guests
 assemble.

6. Wedding procession starts for the church,
 led by a coon band playing the Wedding
 March in their own peculiar way.

7. Arrival at the Church. The village
 organist plays a short voluntary.

8. THE WEDDING SCENE.
 The Parson, Bride and Bridegroom come
 forward.

The Parson is represented by the Bassoon.
 The Bride by the Flute, and the Bride-
 groom by the Flute.

The Wedding Ceremony begins: "Will you
 take this woman to be thy wedded wife?"
 The Bridegroom answers, "I will."

The Parson then turns to the bride, and
 after putting a similar question, tells her
 to repeat the usual words after him, which
 she does, in a shy and retiring manner.

The Parson then ends the Ceremony by
 giving some words of advice to the newly-
 married couple.

9. Amen.

10. The happy couple now leave to the
 strains of the Wedding March, and amid
 the clanging of bells and general congratula-
 tions, this descriptive piece is brought to
 a joyful conclusion.

5.59 p.m.—MADAME LAMBERT, Soprano:
 "Air de Santuzza" (Mascagni).

6.6 p.m.—Programme arranged by the UNI-
 VERSITY CONSERVATORIUM, under
 the direction of PROFESSOR BERNARD
 HEINZE:

INSTRUMENTAL TRIO:
 Professor BERNARD HEINZE, Violin,
 LOUIS HATTENBACH, Cello,
 EDWARD GOLL, Piano.

Instrumental Trio:
 "Trio in D Minor" (Arensky).
 "Klegle."
 "Last Movement."

MARIE MAGAN, Soprano:
 "Wanderer" (Brahms).
 "Aubade" (Lalo).

Instrumental Trio:
 "Andante in D" (Tchickowsky).

MARIE MAGAN, Soprano:
 "The Lonely Steppes" (Gieschonne).
 "Cradle Song" (Gieschonne).

Instrumental Trio:
 "Slumber Song" (Schubert).
 "Hungarian Dance in G Minor" (Brahms).

Accompanist: R. ROTHSTADT.

6.46 p.m.—SYD BECK, Australian Comedian,
 "Wall and Litter."
 "An Ice To-day, Lady?"

6.58 p.m.—RAILWAYS MILITARY BAND:
 Overture, "Zampa" (Herold).

10.5 p.m.—We have pleasure in introducing for
 the first time, O'MARA AND BURKE.
 Entertainers from the Emerald Isle.

ANNA BURKE, Mezzo Soprano:
 "I Know where 'Yn Going" (Traditions).

CHAS. O'MARA will entertain you with a
 story or two.

RAILWAYS MILITARY BAND:
 "Irish Melodica."

CHAS. O'MARA, Baritone:
 "O'M to Philadelphia" (Stokford).

10.17 p.m.—British Official Wireless news
 from Rugby. Sporting Personal MR.
 GEORGE HYDE, Australian Nurnbi, by
 Olympia.

10.37 p.m.—MADAME LAMBERT, Soprano:
 "Chanson Indoue" (Rimsky-Korsakov).

10.34 p.m.—RAILWAYS MILITARY BAND:
 "Dreams of the Ocean Waltzes."

10.47 p.m.—"Argus" news service. Announce-
 ments. Weather forecast.

11 p.m.—OUR GREAT THOUGHT:
 "Honor and fortune exist for him who
 always recognizes the neighborhood of the
 great, always feels himself in the presence
 of high causes."—Emerson.

11.1 p.m.—JOE ARONSON AND HIS SYN-
 COPATING SYMPHONISTS:
 "Just one more Kiss" (Owens).
 "Just a Bird's Eye View" (Donaldson).
 "A Cup of Coffee, a Sandwich and You!"
 (Meyer).
 "Somebody's Lonely" (Davis).
 "Baby Face" (Aksel).
 "Ting a Ling—Waltz of the Beils" (Brick).
 "Mary Lou" (Lyman).
 "The More We are Together" (Campbell).
 "Ruffenreddy" Piano Solo (Bartz).
 "I'm a Hench Ford" (Leslie).
 "I'm on My Way Home" (Reiflin).
 "The Original Black Bottom" (Henderson).
 "Hello, Aloha" (Buerli).
 "Hello, Little Girl of my Dreams" (Berk).
 "Sunday" (Miller).
 "Rise the Sign of a Rose" (Field).
 11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Monday.

MIDDAY SESSION.

1.0 p.m.—Market Reports; Weather Informa-
 tion supplied by the Commonwealth Weather
 Bureau; News Services supplied by "The
 Daily Mail" and "The Daily Standard."

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

1.45 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 Sym-
 phony 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.—News Service supplied by "The
 Daily Standard."

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

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

7.30 p.m.—Weather News; Announcements.

7.43 p.m.—Standard Time Signals.

7.45 p.m.—Lecture: "Feeding the New
 Born Pig," by Mr. E. J. Shelton (Instruc-
 tor in Pig Raising).

NIGHT SESSION.

PART I.

ORGAN RECITAL.

The main portion of to-night's programme
 will be organ recital by Mr. George
 Sampson, F.R.C.O. (City Organist), which
 will be relayed from St. John's Cathedral.

8.0 p.m.—From St. John's Cathedral: Organ
 recital. The programme will include:
 Overture, "To a Midsummer Night's Dream"
 (Mendelssohn); (a) "Dr. Gradus Ad Parnasum"
 (Debussy); (b) "Pavane Pastorale"
 (Ravel); "Fantasia and Fugue in G-Minor"
 (Bach); Pastorale in A (Gulman); (c)
 "Sonatas" (Clere); (d) "Berceuse" (Re-
 hoffer); Cantilene (Mally); Grand Offert-
 orio in C-Minor (Bastide).

PART II.

A MUSICAL RADIO PLAY.

The second portion of the programme
 will comprise a musical radio play (comedy)
 "THE SHEIK OF SHEZADAH."
 (Written and produced by Michael Cramer.)
 The play will be given by Mr. Erich
 John's party. The object of the play will
 be defeated if details are published before-
 hand. Radio enthusiasts should, therefore,
 listen carefully to the end of the play when
 details regarding the players will be
 broadcast.

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

5CL, ADELAIDE

Monday.

MORNING SESSION.

10 a.m.—G.P.O. chimes.

10.1 a.m.—Broadcast from Adelaide Town
 Hall—Reception by soldiers, sailors, and
 nurses, to the Duke and Duchess of York.

10.30 a.m.—Unley Town Hall—Reception by
 Mayor, aldermen, and councillors of Corporation
 of Unley.

12 noon.—G.P.O. chimes.

12.1 p.m.—"Advertiser" news service.

12.45 p.m.—Musical selections.

1.35 p.m.—Close down.

AFTERNOON SESSION.

2.30 p.m.—Description of proceedings at Gov-
 ernment House garden party, interspersed
 with musical selection.

From 3.30, orchestral selections from Maple
 Leaf and Arcadia Cafes.

4.55 p.m.—Studio 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 Op-
 eretta.

7 p.m.—Bedtime stories.

7.20 p.m.—Talk on Royal visit.

8 p.m.—G.P.O. chimes.

8.1 p.m.—Holden's Silver Band from balcony
 of Adelaide Town Hall.

8.15 p.m.—Song, Miss Eileen Newlyn.

8.19 p.m.—"Tinkle's" Boys' Club (Mr. F.
 J. Mills).

8.40 p.m.—Holden's Silver Band.

8.50 p.m.—Song, Mr. Gerald Healy.

8.54 p.m.—Recitation, Mr. George Whittle.

9 a.m.—G.P.O. chimes.

9.1 p.m.—Weather report.

9.3 p.m.—Holden's Silver Band.

9.10 p.m.—Song, Miss Eileen Newlyn.

9.14 p.m.—Banjo selection, Mr. Seth Smith.

9.22 p.m.—Holden's Silver Band.

9.28 p.m.—Talk by "Accelerator."

9.45 p.m.—Holden's Silver Band.

10 p.m.—G.P.O. chimes.

10.1 p.m.—"Advertiser" news service.

10.16 p.m.—Concert continued.

11 p.m.—G.P.O. chimes and close down.

Tuesday, May 3 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 phenomena,
 shipping intelligence, mail services.

12.15 p.m.—Studio music.

12.25 p.m.—Summary of "Sydney Morning
 Herald" news service and cables. Rugby
 news.

12.35 p.m.—Miss Margo Lescaut, soprano:
 "Villia" (Lehar).

12.40 p.m.—Studio music.

12.45 p.m.—Pianoforte reproduction on the
 "Behning" player piano.

12.55 p.m.—A popular record.

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

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

Producers' Distributing Society's report.

1.20 p.m.—Studio music.

Mr. Cliff Hanney, violinist.

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

1.30 p.m.—Marching music for school chil-
 dren.

1.40 p.m.—Miss Margo Lescaut, soprano:
 "I Love You So" (Lehar).

1.45 p.m.—Studio music.

Mr. Cliff Hanney, violinist.

1.55 p.m.—Last minute sporting informa-
 tion by the 2FC Racing Commissioner.

2 p.m.—Close down.

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ATEERNOON SESSION.

- 2 p.m.—"Big Ben" and announcements.
- 3.0 p.m.—Mr. Cliff Hanney, violinist.
- 3.10 p.m.—Studio music.
- 3.15 p.m.—Miss Gladys Aubin, soprano: "The Dancin' Lesson" (Olfert).
- 3.20 p.m.—A reading.
- 3.30 p.m.—Marching music for school children.
- 3.40 p.m.—From Farmer's Tea Rooms—Miss Ellen Crowley, soprano: "Daffodils & Snowing" (German).
- 3.45 p.m.—Studio music.
A talk on home cooking and recipes, by Miss Ruth Purst.
- 4 p.m.—From Farmer's Tea Rooms—Miss Ethel Muller, contralto: "Waters of Mid-peterkin" (Aneurin).
- 4.0 p.m.—From the Studio—Miss Gladys Aubin, soprano: "The Nightingale of June" (Sanderson).
- 4.10 p.m.—Mr. Cliff Hanney, violinist.
- 4.20 p.m.—From Farmer's Tea Rooms—Miss Ellen Crowley, soprano: "Love Birds out the way" (Raff).
- 4.25 p.m.—From the Studio—Studio music.
- 4.40 p.m.—From Farmer's Tea Rooms—Miss Ethel Muller, contralto: "Love's Coronation" (Alwydd).
- 4.45 p.m.—From the Studio.
Stock Exchange, third call.
- 4.47 p.m.—Musical items.
- 6 p.m.—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 for the older ones.
- 6.40 p.m.—Dinner music.
- 7 p.m.—"Big Ben."
- 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.
- 7.26 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.45 p.m.—Mr. W. F. Jackson will give a talk on "The Five Great Moterists." His subject to-night, H. G. Wells.
- 7.58 p.m.—Programme announcements.
- 8 p.m.—"Big Ben." From the Royal Naval House, Margaret Street, Sydney.
- 8.10 p.m.—From the N.S.W. State Military Band: (a) March, "Stars and Cross" (Lithgow). (b) Fox Trot, "Mary Lou" (Robinson).
- 8.10 p.m.—From the Studio—Mr. Sydney Calland, baritone: "Rocarin' days of Sixty" (Carroll).
- 8.14 p.m.—The N.S.W. State Military Band, playing from the Royal Naval House: Selection, "Maritana" (Wallace).
- 8.29 p.m.—From the Studio—Miss Freda Glider, contralto: "In the Silence of Night" (Rachmaninoff).
- 8.38 p.m.—From the Royal Naval House—The N.S.W. State Military Band: (a) Overture, "La Couronne d'Or" (Herman). (b) Song, "O, Sydney I love you" (McLeod).
- 8.44 p.m.—From the Studio—Mr. A. Cree, Scotch comedian.
- 8.48 p.m.—From the Royal Naval House, Margaret Street, Sydney, The N.S.W. State Military Band: "Reminiscence of Ireland" (Godfrey).
- 8.58 p.m.—From the Studio—Mr. Sydney Calland, baritone: "So fair a foyner" (Herman Lohr).
- 9.2 p.m.—Mr. Maurice Price in piano recitals.
- 9.16 p.m.—From the Royal Naval House—The N.S.W. State Military Band, Cornet solo, "There's a Land" (Albritten).
- 9.18 p.m.—From the Studio—Miss Freda Glider, contralto:

- (a) "Could I hit express in June" (Malashkin).
- (b) "Valse" (Russell).
- 9.42 p.m.—The 2FC Studio Dance Band conductor, Mr. Eric Pearson: Fox Trot, "Since you've been gone" (Duvall).
- 9.50 p.m.—Mr. Sydney Calland, baritone: "The silent forest" (Torres).
- 9.54 p.m.—From the Royal Naval House—The N.S.W. State Military Band: "Valley, Dale, Tea, Yeak" (Walbridge).
- 9.41 p.m.—From the Studio—Mr. Ad. Cree, Scotch comedian.
- 9.58 p.m.—The 2FC Dance Band: (a) Fox Trot, "Don't be angry with me" (Dunadson). (b) Waltz, "A message from Missouli" (Chapin).
- 10 p.m.—Fox Trot, "Smiling eyes" (Howard).
- 10 p.m.—"Big Ben."
- Miss Freda Glider, contralto.
- 10.1 p.m.—Late news and announcements.
- 10.15 p.m.—Mr. Sydney Calland, baritone: "Mr. Rooney for you" (Ball).
- 10.18 p.m.—The 2FC Dance Band, Conductor, Mr. Eric Pearson: (a) Fox Trot, "Crazy World" (Yellow). (b) Fox Trot, "Meadow Lark" (Florida).
- 10.22 p.m.—Mr. Ad Cree, Scotch comedian.
- 10.28 p.m.—Mr. Maurice Price, piano recitals.
- 10.34 p.m.—Mr. Harry Rendle, trumpet solo: (a) "Chanson Triste" (Tchickovsky). (b) "Melody in F" (Rubinstein).
- 10.42 p.m.—The 2FC Dance Band: (a) Fox Trot, "Take in the sun" (Woad). (b) Waltz, "My Irish Home, Sweet Home" (Huang).
- (c) Fox Trot, "Sunday" (Millet).
- 11 p.m.—National Anthem.
Close down.

2BL, SYDNEY

Tuesday.

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 Call.
- 12.8 p.m.—Boats in call by Wireless.
- 12.10 p.m.—Musical Programme from the Studio.
- 12.29 p.m.—Fruit Market Report.
- 12.31 p.m.—Vegetable Market Report.
- 12.32 p.m.—London Metal Market Report.
- 12.34 p.m.—Dairy and Farm Produce Market Report.
- 12.37 p.m.—Racing Resumé.
- 12.31 p.m.—Musical Programme from the Studio.
- 12.40 p.m.—Sporting Information ("Sun").
- 12.45 p.m.—Hiller's Instrumental Quartette, Direction, Carl Castling.
- 1.30 p.m.—G.P.O. Clock and Chimes.
- 1.31 p.m.—News from the "Sun."
- 1.49 p.m.—Musical Programme from the Studio.
- 1.50 p.m.—News from the "Sun."
- 2.0 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.
- 2.18 p.m.—Musical Programme from the Studio.
- 2.20 p.m.—Women's Session. (Conducted by Mrs. Jordan). Social Notes; Replies to Correspondents. Talk on "Muscle Tone," by Mrs. Adams, A.M.A.
- 2.0 p.m.—G.P.O. Clock and Chimes.
- 2.1 p.m.—Musical Programme from Studio.
- 2.15 p.m.—Civil Service Stores Trio, Direction, Miss De Courcy Bessy.
- 2.30 p.m.—G.P.O. Clock and Chimes.
- 2.31 p.m.—News from the "Sun."
- 2.40 p.m.—Musical Programme from Studio.
- 2.50 p.m.—News from the "Sun."

- 4.0 p.m.—G.P.O. Clock and Chimes.
- 4.1 p.m.—Civil Service Stores Trio.
- 4.15 p.m.—Serial Stage.
- 4.20 p.m.—G.P.O. Clock and Chimes.
- 4.21 p.m.—Musical Programme from the Studio.
- 4.41 p.m.—News from the "Sun."
- 4.50 p.m.—Racing Resumé.
- 4.52 p.m.—Production: Broadcasting Society's Fruit and Vegetable Market Report.
- 4.54 p.m.—Resumé of Night's Programmes.
- 4.56 p.m.—Announcements.
- 4.58 p.m.—Special Ocean Forecast.
- 5.0 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.—Daily Luncheon will entertain the kiddies.
- 6.0 p.m.—The Pupils of Miss Monica Scully will entertain the kiddies.
- 6.19 p.m.—Musical Programme from the Studio.

SPECIAL COUNTRY SESSION.

- 7.0 p.m.—G.P.O. Clock and Chimes; Australian Mercantile Land and Finance Co's Report; Weather Report and Forecast by courtesy of Government Meteorological Production Distributing Society's Fruit and Vegetable Market Report; Stock Exchange Reports; Grain and Poultry Report ("Sun"); Dairy Produce Report ("Sun").
- 7.15 p.m.—Country News from the "Sun."
- 7.20 p.m.—Talk on "The Motor Car," by Mr. Martin.

Description of each Race from the Epping Trot will be broadcast direct from the Racecourse during the afternoon.

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

8.3 p.m.—Broadcasters' Miniature Orchestra, under the Direction of Mr. J. Knight Barnett.

- 8.18 p.m.—Mr. Clem Williams (Baritone).
- 8.20 p.m.—Miss Helena Stewart (Soprano).
- 8.27 p.m.—Mr. Arthur Meyes (Cello).
- 8.34 p.m.—Mr. Bryce Carier (Cello; Solos).
- 8.41 p.m.—Mr. Lance Jeffrey (Tenor).
- 8.48 p.m.—Miss Thelma Houston (Contralto).
- 8.55 p.m.—Resumé of Following Day's Programme: Weather Report and Forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.
- 9.0 p.m.—G.P.O. Clock and Chimes.
- 9.1 p.m.—Broadcasters' Miniature Orchestra, Mr. James Jeffrey.
- 9.16 p.m.—Miss Dulcie Blair (Violinist).
- 9.23 p.m.—Mr. Clem Williams.
- 9.50 p.m.—Miss Helena Stewart.
- 9.57 p.m.—Mr. Bryce Carier (Cellist).
- 9.44 p.m.—Mr. Arthur Meyes.
- 9.51 p.m.—Broadcasters' Miniature Orchestra.
- 10.1 p.m.—Miss Thelma Houston.
- 10.8 p.m.—Mr. Lance Jeffrey.
- 10.15 p.m.—The Ambassadors Dance Band broadcast from the Ballroom of the Ambassadors. During the intervals between dances, news reports by courtesy of the "Sun" Newspapers, will be broadcast.
- 11.0 p.m.—G.P.O. Clock and Chimes; National Anthem.

3LO, MELBOURNE

Tuesday.

MIDDAY SESSION.

- OMARA AND BURKE, Entertainers
- NELL CRANE, Comedienne.
- AGNES FORTUNE, PIANO.
- GRACE AND KEATS.
- THE STUDIO ORCHESTRA.
- MUSICAL HALF-HOUR.
- Accompanists: AGNES FORTUNE
- Announcer: MAURICE DUDLEY
- INSTRUCTIVE AND ENTERTAINING
- 12 noon.—The Sydney British Official Wireless news from Rugby. Reuters' and The Australian Press Association Cables.
- "Argus" and "Herald" news service.
- 12.20 p.m.—OMARA AND BURKE, Entertainers from the Emerald Isles.
- ANNA BURKE, Mezzo Soprano.



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STUDIO ORCHESTRA:
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CHAS. O'MARA, Baritone:
 "The Darling Girl from Clare" (French and Collins).
 12.34 p.m.—**STUDIO ORCHESTRA:**
 "Scenes Pittoresques" (Massenet).
 12.40 p.m.—Stock Exchange information.
 12.50 p.m.—**STUDIO ORCHESTRA:**
 "Atlantis Suite" (Saffrank).
 1 p.m.—**MUSICAL HALF HOUR**, arranged and annotated by **MR. J. SUTTON CROWE:**
LORNA TRIST, Piano:
 "Country Gardens" (Graninger).
 "Wedding Day" (Grieg).
MYRTLE WISE, Soprano:
 "Musetta's Song"—Bohème (Puccini).
 "Lullaby" (Scott).
 "Perian Song of Spring."
EUNICE GREGORY, Violin:
 "Serenata" (Moszkowski).
 "Minuet in D" (Mozart).
MYRTLE WISE, Soprano:
 "Pretty Mocking Bird" (Bishop).
 "Blackbird's Song" (Scott).
 "Go Not Happy Day" (Bridges).
EUNICE GREGORY, Violin:
 "Waltz in A" (Brahms).
 "Humoresque" (Dvorak).
 1.30 p.m.—Meteorological information. Shipping intelligence. Weather forecast for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast. River reports.
 1.35 p.m.—**STUDIO ORCHESTRA:**
 Selection, "First Kiss" (Pablo Luna).
 1.42 p.m.—**NELL CRANE, Comedienne:**
 "Whoops a Daisy" (Rothey).
 "I've Lost My Heart in Mooriland" (Lawrence).
 1.50 p.m.—**AGNES FORTUNE, Piano:**
 "Noel" (Gardner).
 1.55 p.m.—**GRACE AND KEATS, in "Harmons."**
 2 p.m.—Close down.
 Results of Warrnambool Races will be given as they come to hand.

AFTERNOON SESSION.

Speakers: "**AU FAIT**."
NELL CRANE, Comedienne.
EUGENIE DUGGAN.
SYD BECK, Comedian.
RUSSELL CALLOW, Tenor.
JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 Announcer **MAURICE DUDLEY**
 Accompanist **AGNES FORTUNE**
THE DANSAINT.
 1 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:**
 "Fig Leaves" (Adair).
 "Every Little Thing" (Spencer).
 "That Samson and Delilah Melody" (Sparks).
 2.10 p.m.—"**AU FAIT**" will give a Fashion Talk.
 2.25 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:**
 "You've Got to Black Shuffie" (Sparks).
 "I've Got the Girl" (Donaldson).
 "There sin't no maybe in my Baby's Eyes" (Kahn).
 2.35 p.m.—**NELL CRANE, Comedienne:**
 "China Doll" (Lawrence).
 "That means nothing to me" (Ooward and Brown).
 2.42 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:**
 "Kentucky Lullaby" (Miller).
 "The Village Blacksmith Owns the Village New" (Moore).
 "I'm Longin' For You" (Donaldson).
 2.52 p.m.—**EUGENIE DUGGAN:**
 "My Son."
 3 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:**
 "That's Why I Love You" (Donaldson).
 "Take in the Sun, Hang out the Moon" (Woods).

"I've been Wasting My Dreams over You" (O'Hara).
 4.10 p.m.—**SYD BECK, Comedian:**
 "Goldbug."
 4.20 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:**
 "Hi, Ho, the Merrie" (Woods).
 "Mr. Too! Ho, Ho! Ha, Ha!" (Brown).
 "In a Little Spanish Town" (Wayne).
 4.30 p.m.—**RUSSELL CALLOW, Tenor:**
 "A Moon of My Delight" (Lehmann).
 "An Evening Song" (Blumenthal).
 4.37 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:**
 "Idolium" (West).
 "Half a Moon is Better than No Moon" (Reynolds).
 "To-Night's My Night with Baby" (Meyer).
 4.45 p.m.—"**Herald**" news service. Stock Exchange information.
 5 p.m.—Close down.

EVENING SESSION.

5.40 p.m.—**CHILDREN'S HOUR**, Answers to Letters and Birthday Greetings.
 5.55 p.m.—**MUSICAL PROGRAMME** for Children, specially arranged by **MR. FRITZ HART:**
MILLE McCORMACK, Soprano:
 "The Violet" (Mozart).
 "The Wild Rose" (Schubert).
 "The First Primrose" (Grieg).
 "Roses have Thorns" (Charles L.).
 "The Little Nut Tree."
IDA SCOTT, Pianiste:
 "To a Wild Rose" (MacDowell).
 "To a Water Lily" (MacDowell).
 "Snowdrops" (Tchaikowsky).
MARGOT MACGIBBON, Violinist:
 "Three Old Irish Airs" (Arr).
 "A Gentle Maiden."
 "A Love Song."
 "Top of the Cork Road."
 Accompanist **IDA SCOTT.**
 6.35 p.m.—"**Argus**" and "**Herald**" news service. Weather synopsis. Shipping movements.
 8.47 p.m.—Stock Exchange information.
 8.52 p.m.—Fish Market reports by **J. R. BORTER, Ltd.**
 9.55 p.m.—River reports.
 9.58 p.m.—Market reports by the **Victorian Producers' Co-operative Co., Ltd., Dairy Produce, Potatoes and Onions, Newmarket Sheep sales, Poultry, Grain, Straw, Hay, and Jute.**
 7.5 p.m.—Fruit Market reports by the **Victorian Wholesale Fruiters' Association**, compiled by the "**Fruit World**," exclusive to **B.L.O.**

NIGHT SESSION.

Speakers:
MRS. JAMES GATEHOUSE.
MR. F. R. E. MAULDON, M.A., M.Ke.
CR. J. SOLOMON.
DR. BROOKE NICHOLS.
MR. A. J. SHEPHERD.
THE STUDIO ORCHESTRA.
ESTELLE MARK TRIO.
EUGENIE DUGGAN.
ERNEST WILSON, Baritone.
SYD BECK, Comedian.
MADAME LAMBERT, Soprano.
"THE FUTURISTS."
JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 Announcer **ALFRED ANDREW**
 Accompanist **AGNES FORTUNE**
 7.15 p.m.—**MRS. JAMES GATEHOUSE, President of the Vic. Society for the Prevention of Cruelty to Children:**
 "The Work of the Society."
 7.30 p.m.—Under the auspices of the University Extension Board, **MR. F. R. E. MAULDON, M.A., M.Ke.**, Senior Lecturer in Economics in the Commerce Department, at the University:
 "The Australian Coal-Mining Industry."
 7.45 p.m.—**TRANSMISSION FROM GEELONG**
 —Opening of **RADIO EXHIBITION, Geelong**, by His Worship the Mayor of Geelong, **CR. J. SOLOMON.**
 8 p.m.—**DR. BROOKE NICHOLS:**
 "The Vain of the Uns."
 TO SUIT ALL TASTES.

8.15 p.m.—**STUDIO ORCHESTRA:**
 "Jupiter Symphony"—1st Movement (Mozart).
 8.25 p.m.—We have pleasure in again introducing the **ESTELLE MARK TRIO**, so well-known to listeners of **B.L.O.**, who will give a quarter of an hour with the famous composer **SCOTTIE BURNETT:**
 8.30 p.m.—**EUGENIE DUGGAN:**
 "The Raven" (Edgar Allan Poe).
 "Sea Fever" (John Macfie).
 8.50 p.m.—**ERNEST WILSON, Baritone:**
 "Lute Player" (Frances Alliton).
 "Elegiac" (Massenet).
 8.57 p.m.—**STUDIO ORCHESTRA:**
 "Iphigenia in Aulis" (Gluck).
 9.07 p.m.—**MR. A. J. SHEPHERD, Vice-President of the Victorian Rowing Association, Coach for the Winning Victorian Interstate Crew, 1919:**
 "Rowing and Review of King's Cup Races to be held in Hobart."
 9.22 p.m.—**STUDIO ORCHESTRA:**
 "Ballad of the Flowers" (Hadley).
 9.32 p.m.—**SYD BECK, Comedian:**
 "Comedians."
 9.44 p.m.—**MADAME LAMBERT, Soprano:**
 "L'Enfant prodige" (Debussy).
 9.50 p.m.—British Official Wireless news from Rugby. Announcements.
 10 p.m.—**THE FUTURISTS** ask you to join in their "**PERILOUS PROLOGUE**."
 10.30 p.m.—**STUDIO ORCHESTRA:**
 "Moonbeams" (Drigo).
 10.40 p.m.—**MADAME LAMBERT, Soprano:**
 "Pensee d'automne" (Massenet).
 10.47 p.m.—"**Argus**" news service. Weather forecast. Announcements. Sporting notes by "**Olympus**."
 11 p.m.—**OUR GREAT THOUGHT!**
 "A light heart lives long" —Shakespeare
 11.1 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:**
 "On the Riviera" (Rich).
 "By the Waters of Minnetonka" (Laurance).
 "That's My Girl" (Davis).
 "I Want a Pardon for Daddy" (Roast).
 "St. Louis Blues" (Handy).
 "Hi, Ho, the Merrie" (Brown).
 "You Need Someone to Love" (Olson).
 "Calm Hawaiian Seas."
 "Stepping in Society" (Aket).
 "Meadow Lark" (Fioreto).
 "Coaxin' the Piano"—Piano Solo (Confrey).
 "Speech" (Friend).
 "It Made You Happy" (Donaldson).
 "Mignonette" (Niehola).
 "How Could Red Riding Hood" (Randolph).
 "Clap Hands, Here Comes Charlie" (Meyer).
 "While the Years go Drifting By" (Kahn).
 "Some Other Bird Wielded a Tune" (Ryan).
 "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 Hotel Carlton: Lunch Music from the Lounge, Hotel Carlton, played by Hotel Carlton Symphony Orchestra.
 1.55 p.m.—From the Observatory: Standard Time Signal.
 2.0 p.m.—Close Down.
AFTERNOON SESSION.
 3.50 p.m.—A Programme of Music from the Studio: Duo Art selection, "Spring Song" (Mendelssohn); Acclian Vocalion selections, (a) baritone solo, "The Two Grenadiers" (Schumann), Mr. Roy Henderson, (b) violin solo, "Violin Song" (Rubens), Mr. Albert Sandler; Duo Art selection, "In the Village" (Caldman); Acclian Vocalion selections—(a) soprano solo, "Saper Vigreste" (Verdi), Miss Luella Palkins, (b) fox-trot "Gentlemen Prefer Blondes" (Berlin), Billy Mayerl and his orchestra; Duo Art selections, "Sonata" (Beethoven); Acclian Vocalion selections, (a) duet, "When it's June Down There" (Tennent), Houston Sisters,

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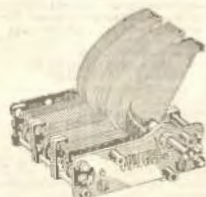
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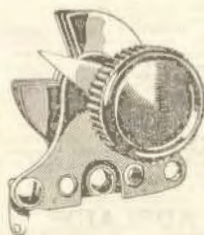


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(b) "That Boy O' Mine" (Graham), Mr. G. H. Elliott.
 4.15 p.m.—"Telegraph" News.
 4.30 p.m.—Close Down.
EARLY EVENING SESSION.
 6.0 p.m.—"Daily Standard" News; Announcements.
 6.30 p.m.—"The Children's Session: Stories by Uncle Ben and Uncle Jim.
 7.0 p.m.—Market Reports; Stock Reports.
 7.30 p.m.—Weather News; Announcements.
 7.45 p.m.—Standard Time Signal.
 7.45 p.m.—Lecture: "Photograph," by Mr. F. J. South (manager Kodak Ltd.).

NIGHT SESSION.**McLEOD'S BOOKSTORE CONCERT.**

To-night's programme will be provided by McLeod's Bookstore, Elizabeth Street, Brisbane, and has been arranged by Mr. W. A. Braiden (manager of the general and technical department of the store), with the assistance of Miss Nell Douglas (Graham), A.T.C.L. Accompanist for the evening, Miss Hazel Strling.

6.0 p.m.—Overture, "Arion" (W. Walter), McLeod's Instrumental Quartette; soprano solo, "Vilanelle" (De Accus), Miss Doreen Morgan, A.C.V.M.; clarinet solo, "The Fairy Boy" (Greenwald), Mr. R. Gagon; musical monologue, "Memories," Miss Nell Douglas (Graham), A.T.C.L.; banjo trio—(a) "Whistling Kaffin" (Essex), (b) "American Patrol" (Papworth), McLeod's Banjo Minstrels; quartette, "In Memoriam" (Dudley Buck), McLeod's Male Quartette; a one-act play, "Roses of the Springs" (Irving Graessle), a comedy of youth, cast, Miss Jane Lennox (Miss Nell Douglas Graham), Sue, her niece (Miss Estelle Dent); scene: an old-fashioned sitting-room in Miss Lennox's country cottage. Pianoforte solo, "Dance Croole" (Chastinard), Miss Hazel Strling; some humour, Lauri, the Entertainer; banjo trio—(a) "To the Front" (Cammeyer), (b) "Droway Dempsey" (Lanning), McLeod's Banjo Minstrels.

9.0 p.m.—Metropolitan Weather Forecast; Selection, "Tangled Tunes" (arr. by W. Kotelbey), McLeod's Instrumental Quartette; monologue, "The New Dog," Miss Nell Douglas (Graham); quartette, "Grag Days" (Noel Johnson), McLeod's Male Quartette; violin solo, selected, Miss G. Fagg, A.T.C.L.; soprano solo, "The Second Minuet," Miss Doreen Morgan, A.C.V.M.; banjo trio—(a) "Tromolli Calceolaria" (van Osman), (b) "Mountaineers' March" (Morley), McLeod's Banjo Minstrels. An operetta: "The Marchioness" (arranged and amplified from Charles Dickens by W. B. Fildon and Edward Jones); cast, The Marchioness (Miss Doreen Morgan, A.C.V.M.), Dick Swiveller (Dr. John Bale); scene: The Office of Sampson Brass. "Somebody's Coming to Tea," Lauri, the Entertainer and Elsie; march, "Rhaps Band March" (Sweeley), McLeod's Instrumental Quartette.

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

5CL, ADELAIDE

Tuesday.

MORNING SESSION.

12 noon.—G.P.O. chimes.
 12.15 p.m.—Musical selections.
 12.30 p.m.—"Advertiser" news service.
 12.50 p.m.—Market reports.
 1 p.m.—Musical selections.
 1.5 p.m.—"Advertiser" news service.
 1.30 p.m.—Musical selections.
 2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

2 p.m.—G.P.O. chimes.
 2.15 p.m.—Relay from Maple Leaf Cafe—Orchestral selections.
 2.45 p.m.—Relay from Adelaide Town Hall—Reception to Her Royal Highness the Duchess of York by the National Council of Women. Programme supplied by 5CL.
 Overture, "Barber of Seville," 5CL Or-

chestra; "Chanson," 5CL Orchestra; soprano solo, "Pierrrot," Miss Margery Wallib; symphonic poem, "Passion," 5CL Orchestra; violin solo, "Midnight Bells," Miss Lisette Foglia; popular song hits, 5CL Orchestra; contralto solo, "By the Waters of Minnetonka," Miss Jean Sinclair; selection, "Rhapsody," 5CL Orchestra.
 4.15 p.m.—Orchestral selections from Arcadia Cafe.
 4.5 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.
 7.30 p.m.—Market reports by Messrs. S. U. Ward and Co., A. E. Hill and Co., A. W. Sandford and Co., Dalgety and Co., S.A. Farmers' Co-op. Union.
 7.40 p.m.—Home beautiful talk by "Domus."
 8 p.m.—G.P.O. chimes.
 8.1 p.m.—5CL Orchestra.
 8.11 p.m.—Chorus, 5CL Merry-makers.
 8.15 p.m.—Song, Mr. Gerald Healy.
 8.19 p.m.—5CL Orchestra.
 8.30 p.m.—Comedy selection, Mr. Wm. Runge.
 8.40 p.m.—Holden's Band.
 9 p.m.—G.P.O. chimes.
 9.15 p.m.—Weather report.
 9.2 p.m.—Description of Lord Mayo's Ball (1) the Duke and Duchess of York at the Exhibition.
 9.22 p.m.—Holden's Silver Band.
 9.42 p.m.—Part song, 5CL Merry-makers.
 9.45 p.m.—Comedy, Mr. Wm. Runge.
 9.50 p.m.—Holden's Silver Band.
 10 p.m.—G.P.O. chimes.
 10.1 p.m.—"Advertiser" news service.
 10.15 p.m.—5CL Orchestra.
 10.25 p.m.—Song, Mr. Gerald Healy.
 10.30 p.m.—Concert continued from Studio.
 11 p.m.—G.P.O. chimes and close down.
 (Programme subject to alteration.)

**Wednes., May 4
2FC, SYDNEY****MIDDAY SESSION.**

12 noon.—"Big Ben" and programme announcements.
 12.15 p.m.—Stock Exchange, first call.
 12.3 p.m.—Official weather forecast, rainfall, temperatures, 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. Rugby wireless news.
 12.35 p.m.—Studio music.
 12.55 p.m.—Miss Florrie Ingham, soprano.
 1 p.m.—"Big Ben."
 Weather intelligence.
 1.3 p.m.—"Evening News" midday news service.
 Producers' Distributing Society's report.
 1.20 p.m.—Studio music.
 1.28 p.m.—Stock Exchange, second call.
 1.30 p.m.—Marching music for school children.
 1.40 p.m.—Miss Florrie Ingham, soprano.
 1.45 p.m.—Studio music.
 2 p.m.—"Big Ben."
 Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.
 3.5 p.m.—Studio music.
 3.15 p.m.—Miss Thelma Mitchell, mezzo: "Bird songs at Eventide" (Costley).
 3.20 p.m.—Studio music.
 3.30 p.m.—Marching music for school children.
 3.40 p.m.—From Farmer's Tea Rooms—Miss Jeanette Rooney, contralto: "Rose in the bud" (Forster).

3.45 p.m.—A talk on home cooking and recipes, by Miss Ruth Ford.
 4 p.m.—"Big Ben."
 From Farmer's Tea Rooms—Miss Florence Grant, soprano.
 4.5 p.m.—Studio music.
 4.10 p.m.—Miss Thelma Mitchell, mezzo: "Big Lady Moon" (Taylor).
 4.15 p.m.—Studio music.
 4.20 p.m.—From Farmer's Tea Rooms—Miss Jeanette Rooney, contralto: "My Treasure" (Treasura).
 4.25 p.m.—Studio music.
 4.40 p.m.—From Farmer's Tea Rooms—Miss Florence Grant, soprano.
 4.45 p.m.—Stock Exchange, third call.
 4.47 p.m.—Studio music.
 5 p.m.—Close down.

Note.—During the afternoon full details of the heats in connection with the Great Public Schools' Regatta, which is being run on the Parramatta River, will be broadcast.

EARLY EVENING SESSION.

5.45 p.m.—The chimes of 2FC.
 5.50 p.m.—The "Hello Man" talks to the children.
 6.18 p.m.—Uncle Ruf and "Jerry" will entertain the children.
 6.40 p.m.—Dinner music.
 7 p.m.—"Big Ben."
 Late sporting information.
 7.10 p.m.—Dalgety's market reports (wheat, wheat and stock).
 7.18 p.m.—Fruit and vegetable markets.
 7.30 p.m.—Weather and shipping intelligence.
 Stock Exchange.
 7.35 p.m.—Late "Evening News" news service.

NIGHT SESSION.

7.50 p.m.—Studio items and programme announcements.
 8 p.m.—"Big Ben."
 from the Lyric Winter Garden Theatre, George Street, Sydney: Items by Jimmy Eakin's Orchestra, with the grand organ.
 8.10 p.m.—Madame Emily Marks, soprano: "The Mouse Trap" (Wolf).
 8.14 p.m.—Mr. Charles Lawrence, entertainer: "Gonna Get a Girl" (Edmon and Ash).
 8.18 p.m.—Mr. Alfred Cunningham, baritone: "In Summer Time on Beidon" (Feeli).
 8.22 p.m.—Mr. Brunton Gibb and Miss Ethel Lang in comedy sketches.
 8.32 p.m.—From the Lyric Winter Garden Theatre, George Street, Sydney: Items by Jimmy Eakin's Orchestra with the grand organ.
 8.42 p.m.—From the Studio—Madame Emily Marks, soprano:
 (a) "Moonlight" (Behunian),
 (b) "Crade Song" (Brahms).
 8.50 p.m.—Mr. Lance Kennedy in flute and piccolo solos.
 8.54 p.m.—Mr. George Welch, comedian:
 (a) "Oh, Deac."
 (b) "The Life of a gullish fig."
 8.5 p.m.—Mr. Alfred Cunningham, baritone: "The Windmill" (Nelson).
 9.0 p.m.—Mr. Charles Lawrence, entertainer: "Married vs. Single" (Rouse).
 9.15 p.m.—Madame Emily Marks, soprano: "I think" (Hendelot).
 9.19 p.m.—Mr. Brunton Gibb and Miss Ethel Lang in humorous recitations.
 9.25 p.m.—Mr. Lance Kennedy, flute and piccolo solos.
 9.34 p.m.—Mr. Alfred Cunningham, baritone: "A Jolly Old Cavalier" (Dix).
 9.38 p.m.—Mr. Ewart Caspide, pianoforte solos.
 9.47 p.m.—Mr. Charles Lawrence, entertainer: "Rupert, the Ruthless."
 9.52 p.m.—Mr. Brunton Gibb and Miss Ethel Lang, comed.
 10 p.m.—"Big Ben."
 Mr. Alfred Cunningham, baritone: "Eleusore" (McIlhenny).

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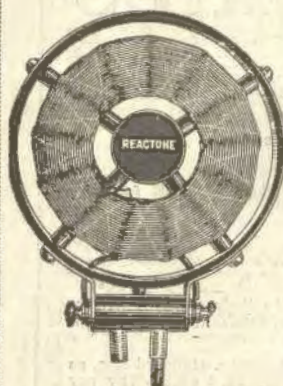
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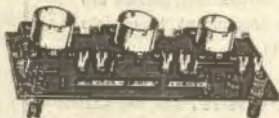


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10.4 p.m.—From the Lyric Winter Garden Theatre, George Street, Sydney. Items by Jimmy Eilkin's Orchestra with the grand organ.

10.11 p.m.—Mr. Alfred Cunningham, baritone.
10.15 p.m.—From the Studio.—Mr. George Weich, comedian.

10.23 p.m.—From the Lyric Winter Garden Theatre, George Street, Sydney. Items by Jimmy Eilkin's Orchestra with the grand organ.

10.30 p.m.—From the Studio.—Mr. Lance Kennedy, Bute and plecco solo.
10.35 p.m.—From the Wentworth Cafe, Church Hill, Sydney. The new Wentworth Symphononic Dance Orchestra, under the baton of Mr. Frederick Leighton.

10.42 p.m.—Late news and announcements.
10.47 p.m.—From the Wentworth Cafe, Church Hill, Sydney. The Wentworth Cafe Symphononic Dance Orchestra, conducted by Mr. Frederick Leighton.

11 p.m.—"Big Ben."
National Anthem.
Close down.

Note.—Mr. Ewart Chapple, Pianoforte solo at 8.38 p.m.—

- (a) "Solfeggino" (Berchi).
(b) "Hornpipe" (Randel, Jralinger).
(c) "A la la Blanche" (Schott).

2BL, SYDNEY

Wednesday.

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.

12.3 p.m.—Boats in call by wireless.

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

12.25 p.m.—Fruit Market Report.

12.21 p.m.—Vegetable Market Report.

12.22 p.m.—London Metal Market Report.

12.24 p.m.—Dairy and Farm Produce Market Report.

12.27 p.m.—Racing Resume.

12.30 p.m.—G.P.O. Clock and Chimes.

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

12.40 p.m.—Sporting Information ("Sun").

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

1 p.m.—G.P.O. Clock and Chimes.

1.1 p.m.—Pianoforte Recital Lecture by Mr. Arnold R. Mote, B.A., broadcast from the Fine Art Gallery, Anthony Horderna.

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

1.50 p.m.—News from the "Sun."

2 p.m.—G.P.O. Clock and Chimes.

2.1 p.m.—Talk to Children and special entertainment for Children in Hospital.

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

2.20 p.m.—WOMEN'S SESSION (conducted by Mrs. Jordan).

Talk by Miss Gwen Varley, Broadcasters' Women's Sports Authority.

Social Notes.—Replies to correspondents.

Talk on "National Welfare" by Dr. Morris.

3 p.m.—G.P.O. Clock and Chimes.

3.1 p.m.—Concert arranged by Mrs. Piddington, broadcast from the Studio.

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.

4.20 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 Resume.

4.53 p.m.—Producers' Distributing Society's Fruit and Vegetable Market Report.

4.54 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.—Daddy Longlegs will entertain the Kiddies.

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

SPECIAL OCEAN FORECAST.

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

Weather Report and Forecast by courtesy of Mr. Hayes.

Producers' Distributing Society's Fruit and Vegetable Market Report.

Stock Exchange Reports.

Grain and Fodder Report ("Sun").

Dairy Produce Report ("Sun").

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

7.30 p.m.—Talk by a member of the St. John Ambulance Brigade.

8 p.m.—G.P.O. Clock and Chimes.

Broadcasters' Topical Chorus.

8.3 p.m.—Recital Broadcast from the Straube Piano-Salon.

8.35 p.m.—Sid and Molly Owen's and Jack Netherale (Novelty Entertainers).

8.53 p.m.—Miss Beryl Scott (soubrette).

9 p.m.—G.P.O. Clock and Chimes.

Resume of Following Day's Programme.

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

9.5 p.m.—Broadcasters' Trio.

9.16 p.m.—Mr. Will Cherry (imitator of birds and animals).

9.26 p.m.—Miss Gladys Verona (soprano).

9.46 p.m.—Miss Eileen Gilbert (comedienne).

9.53 p.m.—Broadcasters' Trio.

10 p.m.—G.P.O. Clock and Chimes.

10.1 p.m.—Miss Beryl Scott.

10.3 p.m.—Miss Eileen Gilbert.

10.15 p.m.—The Ambassadors Dance Band broadcast from the Ball Room of the Ambassadors, during the intervals between Dances News Reports by courtesy of the "Sun" will be broadcast.

12 midnight.—G.P.O. Clock and Chimes, National Anthem.

2GB, SYDNEY

Wednesday.

9 a.m.—Music.

9.5 a.m.—"Chorus" Talk.

9.15 a.m.—Music.

9.25 a.m.—Talk.

9.40 a.m.—Music.

9.45 a.m.—Talk.

10 a.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—Music.

3.37 p.m.—Talk.

3.52 p.m.—Music.

4.7 p.m.—Talk.

4.23 p.m.—Music.

4.30 p.m.—Close down.

EVENING SESSION.

6.30 p.m.—Children's Session.

7 p.m.—Music.

7.5 p.m.—Talk.

7.15 p.m.—Music.

7.20 p.m.—Topical Talk.

7.30 p.m.—Music.

7.45 p.m.—Talks to Mgn.

7.55 p.m.—Songs by Elsie Brown.

8.15 p.m.—Address by PROF. E. WOOD.

8.20 p.m.—Dance for two violins, with piano accompaniment: DAN SCULLY, MONICA HORDER, ADA BROOK.

8.30 p.m.—2GB Vocal Quartette:

1. "Love is meant to make us glad."

2. "Twilight."

3. "See how lightly on the blue sea."

ELSIE BROWN, EVA CROFT, FRED-ERICK TURRELL, CLEMENT HOSKING.

- 8.50 p.m.—Duo for two violins, with piano accompaniment: DAN SCULLY, MONICA HORNER ADA BROOK.
 9.50 p.m.—Announcements.
 9.55 p.m.—Violin Solo by MONICA HORNER.
 10 p.m.—Typical Talk.
 9.15 p.m.—Songs by FREDERICK TURRELL.
 9.25 p.m.—Violin Solo by DAN SCULLY.
 9.33 p.m.—20B Quartette:
 1. "Spring Song"
 2. "Speedwell"
 3. "Come, Ladies and Lads"
 9.43 p.m.—Duo for two violins and piano accompaniment: DAN SCULLY, MONICA HORNER ADA BROOK.
 9.53 p.m.—"Liberic" Talk.
 10 p.m.—Close down.

3LO, MELBOURNE

Wednesday.

- JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 O'MARA AND BURKE, Entertainers.
 ESTELLE MARK TRIO.
 Accompanists AGNES FORTUNE
 Announcer MAURICE DUDLEY
 12 noon.—Time Signal, British Official Wireless news from Bagby, Reuter's and The Australian Press Association Cables, Stock Exchange Information.
 "Argus" and "Herald" news services.
 12.30 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Calling Me Home" (Gilbert).
 "Baby Face" (Davis).
 "At Peace with the World" (Berlin).
 12.35 p.m.—O'MARA AND BURKE, Entertainers from the Emerald Isle.
 ANNA BURKE:
 "River Shannon Moon" (Smith).
 CHAS. O'MARA:
 "Mulligan's Picture Show" (Weston).
 12.37 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Hi, Diddle Diddle" (Coon).
 "Napolitan Nights" (Waltz) (Zamecni).
 "Precious" (Whiting).
 12.41 p.m.—Stock Exchange Information.
 12.51 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Katinza" (Tobias).
 "Four, Five, Fire, Turn the Base on Me" (Gay).
 "Princess Betty's Lullaby" (Stoneham).
 1.1 p.m.—ESTELLE MARK TRIO:
 Piano, "Homotroque" (Percy B.).
 Song, "A Rosefield Song" (London).
 Violin, "L'Abelle" (Schubert).
 1.19 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Any Joe Today, Lady" (Baldard).
 "Gianna a Little Kiss Will Ya, Hub?" (Turk).
 "Rose Marie" (Friml).
 1.29 p.m.—WEATHER REPORT:
 1.35 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 Indian Love Call (Friml).
 "No Funtin'" (Owens).
 "Mary Lou" (Loman).
 1.45 p.m.—O'MARA AND BURKE:
 "The Next Market Day" (Trad).
 "The Low Backed Car" (Lover).
 1.45 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "In a Little Garden" (Yula).
 "Calling me Home" (Gilbert).
 2 p.m.—Close down.
 Results of Warrnambool Races will be given as they come to hand.

- AFTERNOON SESSION.
 THE STUDIO ORCHESTRA.
 GRACE AND KEATS.
 FRANKLIN STONHAM, Clarinet.
 THE FUTURISTS.
 MADAME LAMBERT, Soprano.
 C. RICHARD CHUGG, Flute.
 Speaker: SISTER BECK.
 Accompanists AGNES FORTUNE
 Announcer MAURICE DUDLEY

LISTEN - IN TO CANBERRA

May 9 will be a great day in Australian history. We can't all be there—but we can all hear the Duke's speech, Melba's song, and speeches by world famous speakers. Make sure of your radio set in time!

FIVE VALVE "MAGNAVOX" with ONE DIAL CONTROL, £40

This Five Valve "Magnavox" comes ready to instal. With one dial control there is absolutely no need for specialized technical knowledge. To tune-in, simply turn the dial. The set is absolutely complete; accessories include: Speaker, 6-Volt Accumulator, 5 "Magnavox" Valves, 2 large 45-volt "B" Batteries, 1 22-volt "C" Battery, 1 Grid Battery, and aerial equipment. Price, £40 Cash, or you may take delivery on payment of £4, the balance at 15/6 weekly for one year.

"KING QUALITY" FIVE VALVE RADIO, £35

Another Popular Five-Valve Set—The "King Quality" Broadcast Receiver. It comes complete—ready to instal—Loud Speaker, aerial equipment—everything. Price, £35 Cash, or £3 10/- deposit and the balance at 13/6 weekly for 52 weeks.

"D. J. STANDARD 4" for £25

This is the "Four" for which David Jones' have become famous. It is made and produced by David Jones' own experts, and carries David Jones' guarantee. It is highly selective. With it you can hear most Australian broadcasting stations at loud speaker strength. It comes ready to instal. All high-grade accessories. Price, £25 Cash, or £2 10/- deposit and 9/6 for 52 weeks.

We invite you to hear these sets. Our Mr. Basil Cooke, F.R.A.S., will be pleased to advise you about your radio problems. Our Radio Department is 22 York Street.

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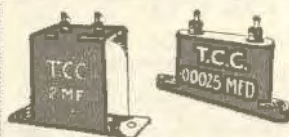
For Service—Sydney

THE NEW RADIO

Contains just the kind of technical information you require—constructional details of popular types of receivers—excellent hook ups—hints on receivers.

**80 Pages
100 Illustrations**

Watch for it on the Bookstalls early in May.



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All sizes from .0001 to 8 mf. are fitted with new Duplex Terminals, allowing of perfect electrical contacts being made with or without soldering.

T.C.C. Condensers are 100% British—Accurate—Calibrated—Guaranteed—Permanent. If it's a T.C.C. Green Condenser, you can absolutely depend on it.

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WHOLESALE FROM:

**Lawrence & Hanson
Electrical Co Ltd**

33 YORK STREET, SYDNEY.
(W-106F.)

- VAODEVILLE.
3 p.m.—STUDIO ORCHESTRA:
"Entrée," "Mignon" (Thomas).
3.10 p.m.—GRACE AND KEATS:
"In Harmony."
3.17 p.m.—FRANKLIN STONHAM, Clarinet,
"Revue" (Viennetemps).
3.24 p.m.—STUDIO ORCHESTRA:
"Chinese Honey-moon" (Howard T.).
3.34 p.m.—THE FUTURISTS—The Popular
"LUNCHEON LAUGHS."
4 p.m.—STUDIO ORCHESTRA:
"Triole" (Mylidiano).
4.10 p.m.—MADAME LAMBERT, Soprano:
"Obstination."
"L. Eerie du ciel" (Massenet).
4.17 p.m.—C. RICHARD CHUGG, Flute:
"Air" from "Orpheus" (Gluck).
4.22 p.m.—STUDIO ORCHESTRA:
"Valse" "Tiribis" (Ancliffe).
4.30 p.m.—MADAME LAMBERT, Soprano:
"Valse de Flapa."
"Rondele de coeur" (Debussy).
4.37 p.m.—SISTER PECK:
"Irish Welfare."
4.45 p.m.—"Herald" news service. Stock
Exchange information.
5 p.m.—Close down.

- EVENING SESSION.
Accompanist, ELSIE BRADSHAW
5.40 p.m.—CHILDREN'S HOUR: Answers to
Letters and Birthday Greetings.
5.56 p.m.—STUDIO ORCHESTRA:
"Suite" (Grieg).
6 p.m.—MARY, QUITE CON-
STANTY: Story for the little ones:
"The Red Shores."
6.15 p.m.—STUDIO ORCHESTRA:
"Suite"—Part 2.
6.26 p.m.—CAPTAIN DONALD MACLEAN:
"How the Buccaneers became Treasure
Hunters."
6.35 p.m.—"Argus" and "Herald" News Ser-
vices; Weather and Aerial Mail Information by
the Australian Aerial Services, Ltd.
6.47 p.m.—Stock Exchange Information; Over-
seas Shipping.
6.52 p.m.—Fish Market Reports, by J. R.
Morrett, Ltd.
6.58 p.m.—Market Reports by the Victorian
Producers' Co-operative Co., Ltd.; New-
market Sheep Sales; Poultry; Grain; Hay;
Straw; Jute, Chaff, Dairy Produce; Potatoes
and Onions; Fruit Market Reports by the
Wholesale Fruitgrowers' Association, compiled
by "The Fruit World" exclusive to 3LO.

- NIGHT SESSION.
Speakers:
MR. R. T. ACHER, MR. R. B. HAMILTON,
ARLEA, CAPTAIN PETERS, DR.
BROOKE NICHOLLS, SIR GEORGE
CASCADEN.
ST. VINCENT DE PAUL'S ORPHANAGE
BAND.
O'MARA AND BURKE.
MARY MACK, Contralto.
NELL CRANE, Comedienne.
VICTORY THEATRE.
JOE ARONSON AND HIS SYNCOPATING
SYMPHONISTS.
Announcer ALFRED ANDREW
Accompanist AGNES FORTUNE
7.16 p.m.—Under the Auspices of the Department
of Agriculture, MR. R. T. ACHER,
Senior Dairy Inspector, "Outdoor Pic-
Nicking."
7.30 p.m.—Under the Auspices of the Royal
Victorian Institute of Architects, MR. R. B.
HAMILTON, A.A.I.B.A., A.R.V.L.A., "Town
Planning Architecturally."
7.45 p.m.—CAPTAIN PETERS,
"Books, Wise or Otherwise."
8 p.m.—DR. BROOKE NICHOLLS,
"The Bird Observation Tower."
AT HOME AND ABROAD.
8.15 p.m.—ST. VINCENT DE PAUL'S
ORPHANAGE BAND.
"Australia To-day."
8.25 p.m.—O'MARA AND BURKE, Entertain-
ers from the Emerald Isle.
ANNA BURKE, "Avoutréne" (King).
CHAS. O'MARA, will entertain you.
ST. VINCENT DE PAUL'S ORPHANAGE
BAND, "Irish Melody."
CHAS. O'MARA, Baritone.
"Soldiers Three" (French and Collieren).

- 8.40 p.m.—ST. VINCENT DE PAUL'S
ORPHANAGE BAND.
"Fox and Hounds" (Horgan).
"Stars and Stripes" (Dacre).
8.50 p.m.—MARY MACK, Contralto,
"Tears" (Tchiklowsky).
"The Silver Ring" (hunting).
8.57 p.m.—SIR GEORGE CASCADEN, Chair-
man Infectious Diseases Hospital,
"Nurses and Their Work."
9.12 p.m.—ST. VINCENT DE PAUL'S
ORPHANAGE BAND.
"The Caliph of Bagdad."
9.22 p.m.—NELL CRANE, Comedienne,
"First a Rose" (Lawrence).
"More" (Pollack).
9.30 p.m.—VICTORY THEATRE ORCHES-
TRA, under direction of Mr. M. HARRILE,
transmitted from the Victory Theatre, St.
Kilda.
10.15 p.m.—Meteorological Information! An-
nouncements, "Argus" News Service.
11.0 p.m.—DUR GREAT THOUGHT,
"The better part of valour is discretion, in
the which better part I have saved my
life."
—SHAKESPEARE.
11.1 p.m.—JOE ARONSON AND HIS SYNCOPATING
SYMPHONISTS.
"While the Sahara Sleeps" (Nicholls).
"Lanzetta and Sory" (Davis).
"Call Me Early in the Morning" (Bule).
"Blame It On The Waltz" (Kahn).
"Dog on the Piano" (Shapiro).
"The Me to Your Apron Strings" (Shay).
"Me Too, He's In" (Woods).
"Crying for the Moon" (Conley).
"Oriental Moonlight" (Scumans).
"The Far Away Belle" (Gordon).
"Oh, Miss Hannah" (Deppen).
"Love Boat" (Rupp).
"That's Why I Love You" (Donaldson).
"There's a Boatman on the Volga" (Eagan).
"My Cuties Due at Two To-day" (Robin).
"Nobody But You" (O'Hagan).
11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Wednesday.

EARLY MORNING SESSION.

- 6.50 a.m.—Physical Culture Session.
7.0 a.m.—Close Down.
MIDDAY SESSION.
1.0 p.m.—Market Reports; Weather Informa-
tion; News Service supplied by "The Daily
Mail" and "The Daily Standard."
1.20 p.m.—From the G.P.O.: Lunch Hour
Music played by the Postal Institute
Orchestra.
1.58 p.m.—"Rupp" from the Observatory; Standard
Time Signal.
2.0 p.m.—Close Down.

AFTERNOON SESSION.

- 3.30 p.m.—From Hotel Carlton; Afternoon
Tea Music from the Lounge, played by
Hotel Carlton Symphonic 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.—"Daily Standard" News; Announce-
ments.
6.30 p.m.—"The Children's Hour; Stories by
"Little Miss Britton"; "The Individual Citizen
and Town Planning," by Mr. R. A. Melnis
(Chairman Executive Committee, Town
Planning Association of Queensland).
7.0 p.m.—Market Reports; Stock Reports.
7.30 p.m.—Weather News; Announcements.
7.43 p.m.—Standard Time Signal.

NIGHT SESSION.

- 7.45 p.m.—Lectures: "The Individual Citizen
and Town Planning," by Mr. R. A. Melnis
(Chairman Executive Committee, Town
Planning Association of Queensland).
STUDIO CONCERT.
8.0 p.m.—Characteristic, "Dream Days of
Stevie" (Bration); The Studio Orchestra
conductor, Mr. A. K. Featherstone; soprano solo, "Anarella" (Wynn); Miss
Bill Manners; organ solo, selected, Mrs.
Evelyn Miles; music and air, by "The
Melbourn Duo" (nonogram); "Kiss"
(Tuner); Miss Agnes Finny; Hawaiian

instrumentalists, selected, the Kalua Trio; baritone solo, "Red Devon by the Sea" (Clarke), Mr. L. Sheridan; forte trio—(a) "There's a Boatman on the Volga" (Whitting), (b) "That's Why I Love You" (Donaldson), the Studio Orchestra; ten minutes of harmony by "The Melody Makers"; harp solo, "Autumn" (Thomas), Mrs. Corrigan; soprano solo, "Lullaby" (Scott), Miss Jill Manners; intermezzo, "Cupiditica" (Moros-Toloni), the Studio Orchestra; soprano solo, "Mountains O'Morne" (Collinson), Miss Marion Carey.

6.0 p.m.—Metropolitan Weather Forecast: Overture, "Greeting" (Mahl), the Studio Orchestra; more harmony by "The Melody Makers"; harp solo, "La Coquette" Mrs. Corrigan; baritone solo, "Good Company" (Froerer), Mr. L. Sheridan; Hawaiian instrumentalists, selected, the Kalua Trio; monologue, "The House of Too Much Trouble" (Paine), Miss Agnes Finney; one-step, "Johnny on the Spot" (Roberts), the Studio Orchestra; organ solo, selected, Mrs. Enid Fleet; Hawaiian instrumentalists, selected, the Kalua Trio; voice, "Dream of Paradise" (Bernard), the Studio Orchestra. 10.0 p.m.—"The Daily Mail" News; Weather News; Close Down.

Thursday, May 5

2FC, SYDNEY

MIDDAY SESSION.

12 noon—"Big Ben" and Programmes Announcements.
12.5 p.m.—Stock Exchange, first call.
1.5 p.m.—Official Weather Forecast, Rainfall, Temperature, 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; Rugby Wireless News.
12.55 p.m.—Studio Music.
12.46 p.m.—Miss Nellie Judges, Soprano, "Teddy Love Call" (Primi).
12.50 p.m.—Studio Music.
1.0 p.m.—"Big Ben"; Weather Intelligence.
1.5 p.m.—"Evening News" Midday News Service; Producers' Distributing Society's Report.
1.20 p.m.—Studio Music.
1.25 p.m.—Stock Exchange, second call.
1.30 p.m.—Marching Music for School Children.
1.40 p.m.—Miss Nellie Judges, Soprano, "Love Will Find a Way" (Fraser-Simson).
1.45 p.m.—Studio Music.
1.55 p.m.—Last Minute Sporting Information by the 2FC Racing Commissioner; Close Down.

AFTERNOON SESSION.

3.0 p.m.—"Big Ben" and Announcements.
3.5 p.m.—FROM THE CONGREGATIONAL CHURCH, PITT STREET, SYDNEY.
An organ recital arranged by the Pupils of Miss Lillian Frost.
5.30 p.m.—FROM THE STUDIO: Marching Music for School Children.
5.0 p.m.—FROM FARMER'S TEA ROOMS: Miss Olga Brigg, Soprano, "The Barque of Dreams" (Clarke).
5.40 p.m.—Further items by the pupils of Miss Lillian Frost—from the Congregational Church, Pitt Street, Sydney.
6.0 p.m.—FROM FARMER'S TEA ROOMS: Miss Peggy Dunbar, contralto.
6.5 p.m.—A Popular Record.
6.40 p.m.—Miss Edith D'Arcy, Lyric soprano, "Piper June" (Oswell).
6.45 p.m.—Studio Music.
6.50 p.m.—FROM FARMER'S TEA ROOMS: Miss Olga Brigg, soprano, "Dear Downcast Eyes" (Woolmer).
6.55 p.m.—A Dickens' Reading by Mr. A. S. Cochrane.

Results Count!

Would you like to hear 3LO 4QG, 5CL, and 3AR, and many other inter-State stations as well as all local stations on the Loud Speaker? You would if you could afford it, you say!

WELL, YOU CAN AFFORD IT!!

The Resco Neurodyne is a five-valve receiver, which will give these results consistently every night. And it is simple to tune. Just set the three vernier dials to the figures corresponding to the log, and in will come the desired station.

LOOK AT THE PRICES!

Table Model (a) . . . £19/10/-
Floor Model (b) . . . £27/10/-
Polished Maple or Oak.
Floor Model (c) . . . £29/10/-
Polished Rosewood.

All Models handsome in appearance, and add to the furnishing of the home.

Easy Terms. Easy Terms.

A Small Deposit permits you to take one home.

The Resco Neurodyne is equipped with Clyde Accumulator, large capacity Winchester "B" Batteries for long life, Phillips' Valves, Headphones, Aerial Gear, etc. There is no experiment about the Resco Neurodyne. Our sales during the last three months have been enormous and complete satisfaction is expressed by all users.

AT LAST!

THE RESCO BATTERYLESS 3-VALVER.

No Batteries Required—simply plug into electric light mains and press the switch. Excellent loud speaker reception free from hum.

No Fuss. No Mess. Economical.

We are the Sole Agents for Australasia, and have big Shipments landing. Call and Hear it NOW!

Radio & Electrical Supply Co.
40 PITT STREET — (near Quay) — SYDNEY
Phone B1817





Query or Exclamation

We begin life with a prolonged exclamation, and we end it with a query. Most of the space in between is either query or exclamation!

I came to this conclusion after two painful encounters with my sons. The youngest began his session thus:

"Father, what makes an apple round, and why has a candle light got a hole in its middle?"

And afterwards came his elder brother, with disarming friendliness, a "Wireless Weekly" in his hand:

"I have been reading your stuff on Philco batteries, Dad, and as Jim Smith and I are building a wireless set, we want you to settle a point for us. Has an 83X Philco rechargeable B. battery got a higher average voltage than a 90 volt dry B. battery?"

Without shame, I excused myself from immediate reply, locked my door, and rang up M3230, the telephone number of New System Telephones Pty., Ltd., at 280 Castlereagh Street, Sydney. As usual, the Australian distributors of the Philco were ready to help at a moment's notice.

Fully armed, I augmented my son and his friend, and expounded as follows:—

"The average voltage of the rechargeable Philco battery is from 5 to 10 per cent. higher than the 90 volts of a dry B. battery. This is because dry cells are rated at their initial voltage.

"Now you should know that the ordinary 90 volt dry B. battery delivers 90 volts only at the very beginning of its life. Then the voltage falls to 80, then to 70, to 60 or below, and finally the dry battery goes out on the scrap heap. So that the average voltage is only 73 to 75 volts."

"On the other hand, an 83X Philco starts at a little over 84 volts and gradually falls to 75 before recharging is necessary. Even with infrequent recharging, the average voltage is 80 volts.

"In fact, the minimum voltage of an 83X is above the average voltage of a 90 volt dry battery.

"Lastly, don't forget that the Philco is 'dynamic'—by which, I mean that it does not begin its life until the electrolyte is poured in by you or by the dealer. Therefore, you buy a brand new battery."

As the two boys scampered away, I heard Jim Smith's comment: "My word, your Dad is a corker!"

My Query: "What is a 'corker'?"

4.40 p.m.—FROM FARMER'S TEA ROOMS:
Miss Peggy Dunbar, contralto.
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Miss Laid D'Arcy, lyric soprano.
4.51 p.m.—"The Snow Man" (Pepper).
4.53 p.m.—Studio Music.
4.59 p.m.—"Big Ben"; Close Down.

EARLY EVENING SESSION.

6.45 p.m.—The Chimes of 3FC.
6.50 p.m.—The "Hello Man" Talks to the Children.
6.50 p.m.—A Serial Story for the Older Ones.
6.50 p.m.—Dinner Music.
7.00 p.m.—"Big Ben"; Late Sporting Information.
7.10 p.m.—Dalgety's Market Reports (wheat and stocks).
7.18 p.m.—Fruit and Vegetable Markets.
7.20 p.m.—Weather and Shipping Intelligence.
7.25 p.m.—Stock Exchange.
7.26 p.m.—Late "Evening News" News Service.

NIGHT SESSION.

7.45 p.m.—A Talk by the Technical Editor of "Wireless Weekly".
8.00 p.m.—"Big Ben"; Programme Announcements.
8.1 p.m.—The Randwick Municipal Band.
8.15 p.m.—Miss Eva Webb-Jones, mezzo.
8.19 p.m.—The Randwick Municipal Band.
8.31 p.m.—Mr. George Welch, comedian.
8.40 p.m.—The Randwick Municipal Band.
8.52 p.m.—Mr. Stuart Robertson, young English Bass, who is touring Australasia with Dame Nellie Melba, will give items from his repertoire.
9.3 p.m.—The Randwick Municipal Band.
9.18 p.m.—Miss Eva Webb-Jones, mezzo.
(a) "The Phutes of Arcady" (James).
(b) "The Spirit Song" (Haydn).
9.25 p.m.—Mr. Lindley Evans, solo pianist and accompanist to Dame Nellie Melba.
Pianoforte Solo.
9.25 p.m.—Mr. George Welch, Comedian.
9.43 p.m.—The Randwick Municipal Band.
9.53 p.m.—Mr. Scott Alexander, will deliver the third of "MARTIN MEERS' Topical Comedy Radio Discourses"—written specially for broadcasting by Codrington Hall, entitled "THE DANGER OF TELLING THE TRUTH".
10.3 p.m.—Mr. Stuart Robertson, English Bass.
10.13 p.m.—Mr. Lindley Evans, Pianoforte Solo.
10.23 p.m.—Miss Shirley Cooke, comedienne.
10.30 p.m.—An Original Comedy of LONDON LIFE. Specially written for broadcasting by Codrington Hall, entitled, "CLEAN ANDS".
Scene: The Thames Embankment, Christmas Eve.

Characters:

Bill Harrop (a costermonger).
Mr. Scott Alexander
Lisa Harris (his wife) — Miss Ruth Wilson
Gumley Chesterton (a playboy) and
Police Sergeant, Mooly, of the Metropolitan Police.
10.50 p.m.—Miss Shirley Cooke, Songs at the Piano.
10.55 p.m.—Late News and Announcements.
11.0 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 by courtesy of Mr. Mares.
12.3 p.m.—Information—Mails and Shipping and movements of important ships.
12.6 p.m.—Sydney Stock Exchange Tolls.
12.8 p.m.—Bells in call by wireless.
12.10 p.m.—Musical programme from Studio.
12.20 p.m.—Fruit Market Report.
12.21 p.m.—Vegetable Market Report.
12.23 p.m.—London Metal Market Report.
12.24 p.m.—Dairy and Farm Produce Market Report.

12.27 p.m.—Belling Resumes.
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.—Hilliers Instrumental Quartet; direction, Caryl Casling.
1.30 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".
2 p.m.—G.P.O. Clock and Chimes.
2.1 p.m.—Talk to Children and special entertainment for Children in Hospital.

2.10 p.m.—Musical programme from the Studio.
2.20 p.m.—WOMEN'S SESSION (conducted by Mrs. Jordan).
Social Notes—Replies to correspondents.
Talk on "Arts and Crafts" by Mrs. Jordan.
3 p.m.—G.P.O. Clock and Chimes.
3.1 p.m.—Musical programme from Studio.
3.15 p.m.—News from the "Sun".
3.20 p.m.—G.P.O. Clock and Chimes.
3.31 p.m.—Musical programme from the Studio.
3.40 p.m.—News from the "Sun".
3.50 p.m.—Country Women's Session.
4 p.m.—G.P.O. Clock and Chimes.
4.15 p.m.—Serial Story.
4.30 p.m.—G.P.O. Clock and Chimes.
4.31 p.m.—Musical programme from the Studio.
4.41 p.m.—News from the "Sun".
4.50 p.m.—Baring Resumes.
4.52 p.m.—Producers' Distributing Society's Fruit and Vegetable Market Report.
4.54 p.m.—Resume of night's programme.
4.55 p.m.—Announcements.
4.58 p.m.—Special Ocean Forecast.
5 p.m.—G.P.O. Clock and Chimes; close down.

EARLY EVENING SESSION.

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

SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. Clock and Chimes.
Australasian Mercantile Land and Finance Co.'s Report.
Weather Report and Forecast by courtesy of Govt. Meteorologist.
Producers' Distributing Society's Fruit and Vegetable Market Report.
Stock Exchange Reports.
Grain and Fodder Report ("Sun").
Dairy Produce Report ("Sun").
7.15 p.m.—Country News from the "Sun".
7.20 p.m.—Talk on "Good Motion Pictures" by Mr. J. O'Donoghue.
8 p.m.—G.P.O. Clock and Chimes.
Broadcasters' Topical Chorus.
8.3 p.m.—Mr. Leslie Herford (baritone).
8.10 p.m.—Mr. Phil Mountain (comedian).
8.17 p.m.—Fashion and Social Notes by Miss Bessie Dorrington, broadcast from the Ball Room of the Anasaidis.
8.22 p.m.—Miss Hilda Lane (soprano).
8.29 p.m.—Jazz music from the Studio.
8.37 p.m.—Mr. Leslie Herford.
8.41 p.m.—Jazz music from the Studio.
8.49 p.m.—Mr. Phil Mountain.
8.53 p.m.—Jazz music from the Studio.
9 p.m.—G.P.O. Clock and Chimes.
Resume of following Day's Programme.
Weather Report and Forecast by courtesy of Mr. C. J. Mares, Govt. Meteorologist.
9.14 p.m.—Fashion and Social Notes from the Ambassadors.
9.19 p.m.—Jazz music from the Studio.
9.27 p.m.—Miss Hilda Lane.
9.31 p.m.—Jazz music from the Studio.
9.33 p.m.—Mr. Leslie Herford.
9.43 p.m.—Jazz music from the Studio.
9.51 p.m.—Mr. Phil Mountain.
9.55 p.m.—Jazz music from the Studio.
10.3 p.m.—Miss Hilda Lane.
10.7 p.m.—Jazz music from the Studio.
10.15 p.m.—News Items and Jazz until 11 p.m.
11 p.m.—G.P.O. Clock and Chimes.
National Anthem.

3LO, MELBOURNE

Thursday.

MIDDAY SESSION.

EDOUARD LAMBERT, violin.
MADAME LAMBERT, soprano.
RUSSELL CALLOW, tenor.
THE STUDIO ORCHESTRA.
Announcer MAURICE DUDLEY.
Accompanist AGNES FORTUNE.
A CLASSICAL HOUR.

12 noon.—Time signal. British official wireless news from Rugby. Reuters' and the Australian Press Association cables. "Argus" and "Herald" news services.

12.30 p.m.—EDOUARD LAMBERT, violin:
"Romance" (Beethoven).
"Gavotte" (Gossec).

12.40 p.m.—STUDIO ORCHESTRA:
Overture, "Le cid" (Thomas).

12.50 p.m.—Stock Exchange information.
12.55 p.m.—MADAME LAMBERT, soprano:
Waltz, "Tom Jones." "Butterfly" (Puccini).
10.57 p.m.—STUDIO ORCHESTRA:
"Castles in Spain" (Ancher).

1.7 p.m.—RUSSELL CALLOW, tenor:

"Tis the Day" (Leoncavallo).

"I did not know" (Leoncavallo).

1.14 p.m.—Weather report.

1.20 p.m.—STUDIO ORCHESTRA:
"Mugle Serenade" (Drigo).

1.27 p.m.—EDOUARD LAMBERT, violin:
"Sonata" (Handel).

1.35 p.m.—RUSSELL CALLOW, tenor:
"Nita Gitana" (Newman).

"Youth" (Allister).

1.42 p.m.—STUDIO ORCHESTRA:
"Une Promenade de Matin" (Berlioz).

1.52 p.m.—MADAME LAMBERT, soprano:
"Il faut une fête."

"Notre deux mi" (Tosca (Puccini).

2 p.m.—Close down.

Results of Newmarket Races will be given as they come to hand.

AFTERNOON SESSION.

Speaker, MISS FRANCES FRASER.

THE STUDIO ORCHESTRA.

THE FUTURISTS.

SYD BECK, comedian.

WALTER SMITH, cornet.

NELL CRANE, comedienne.

TARMA TIERNAN, cello.

Accompanist AGNES FORTUNE.

Announcer MAURICE DUDLEY.

IN LIGHTER VEIN.

2 p.m.—STUDIO ORCHESTRA:
"In a Persian Garden" (Lohman).

2.10 p.m.—"THE FUTURISTS" have pleasure in presenting their latest revue teeming full of laughs and surprises.

"Nonsensical Nonsense."

2.25 p.m.—STUDIO ORCHESTRA:
"Love's Lullaby" (Vermeire).

2.32 p.m.—SYD BECK, comedian:
"Happy Moments."

2.40 p.m.—WALTER SMITH, cornet:
"Shepherd's morning song" (Suppe).

2.52 p.m.—NELL CRANE, comedienne:
"Thursday Island" (Lawrence).

"Proving" (Paley).

4 p.m.—STUDIO ORCHESTRA:
"La Zanzibaresse" (Rienzi).

4.15 p.m.—TARMA TIERNAN, cello:
"Adagio" (Schubert).

4.15 p.m.—MISS FRANCES FRASER:
"Gabriel Grass at the Movies" (Dickens).

4.50 p.m.—"Herald" news service.

Stock Exchange information.

Acceptance for Ascot Park Races, Saturday, May 7th.

4.45 p.m.—Evening, transmitted from St. Paul's Cathedral.

5.30 p.m.—Close down.

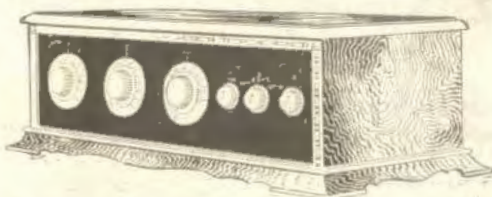
EVENING SESSION.

Accompanist ELSIE BRADSHAW.

8.40 p.m.—Children's hour.

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- 6.26 p.m.—"THE FUTURISTS" will entertain the children with music, song and dance. 6.30 p.m.—"MARY GUMLEAF," poems: "The Other One," "When Daddy was Ill." 6.30 p.m.—"MARY GUMLEAF," (Cont.): Story for the littlest ones, "Frimrose." 6.26 p.m.—THELMA READY, piano selections. 6.27 p.m.—"MARY GUMLEAF" Story for the older children, "The adventure begins." 6.35 p.m.—"Argus" and "Herald" news services. Weather synopsis. Shipping movements. 6.41 p.m.—Stock Exchange Information. 6.53 p.m.—Fish market reports by J. R. Borssett, Ltd. 6.45 p.m.—River reports. 6.58 p.m.—Market reports by the Victorian Producers' Co., Ltd. Newmarket sheep sales. Poultry, grain, hay, straw, lute, dairy produce, potatoes and onions. 7.6 p.m.—Market reports of fruit, by the Victorian Fruitgrowers' Association, compiled by "The Fruit World," exclusive to B.L.O.

NIGHT SESSION.

- Speaker: MR. CHARLES NUTTALL. MR. E. M. PASCOE. MR. JAMES HUGHES. DR. BROOKE NICHOLS. ERNEST WILSON, baritone. NELL CRANE, comedienne. GRACE AND KEATS. SYD BECK, comedian. RUSSELL CALLOW, tenor. JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS. Accompanist..... AGNES FORTUNE. Announcer..... ALFRED ANDREW. 7.15 p.m.—MR. CHARLES NUTTALL: "The Picture show crowd." 7.30 p.m.—MR. E. M. PASCOE: "Bowls." 7.45 p.m.—MR. JAMES HUGHES, now appearing in the part of Sergeant Malone in "Rose Marie" at His Majesty's Theatre, will speak from his dressing table, by permission of J. W. Williamson, Ltd. 8 p.m.—DR. BROOKE NICHOLS: "The return of the Lugger." ON WITH THE DANCE. 8.15 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "The Royal Ambassadors" (Stanley), "Zuleika, my Desert Maid" (Gunning), "In a little Garden" (Inla). 8.25 p.m.—ERNEST WILSON, baritone: "Nirvana" (Stephen Adams). 8.29 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "There ain't no maybe in my baby's eyes" (Kahn), "Thinking of You" (Ash), "Perfume of the Past" (Maysoun). 8.39 p.m.—NELL CRANE, comedienne: "There's a little Meuri Whare" (Lawrence). 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 Iveries" (Wendahl). 8.53 p.m.—GRACE AND KEATS: "Pietrette, Pierrot and a Piano." 8.57 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "I Can't Forget" "While the years go drifting by" (Kahn), "Paradise Alley" (Archer). 9.7 p.m.—SYD. BECK, comedian: "Funnycities." 9.12 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "Where did you get those eyes" (Donaldson), "Sing, Katie, but leave the piano alone" (Tracey), "Whisper Sh" (Bryan).

- 9.22 p.m.—RUSSELL CALLOW, tenor: "Like Stars Above." 9.26 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "No Foolin'" (Buehl), "Cherie, I Love You" (Goodman), "The Animal Fair" (La Forrester). 8.58 p.m.—ERNEST WILSON, baritone: "Youth" (Allison). 6.40 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "To Night's My Night With Ruby" (Freyer), "Say That You Love Me" (Nichols), "Do the Black Bottom with Me" (Meyer), 6.50 p.m.—NELL CRANE, comedienne: "We're all Going Home" (Lawrence). 9.51 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "Schultz is Back Again with His Boon, Boon, Boon!" "I'll Climb the Highest Mountain" (Brown), "She's Everybody's Sweetheart" (Kear), 10.4 p.m.—"Argus" news service. British official wireless news from Rugby. Meteorological information. Sporting notes by "Olyxpus." Announcements. 10.20 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "It Made You Happy" (Donaldson), "While We Danced Till Dawn" (Schuyter), "Let's Grow Old Together" (Nelton). 10.30 p.m.—GRACE AND KEATS: In Harmony. 10.34 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "Talking to the Moon" (Raschette), "Meadow Lark" (Florida), "At Peace with the World" (Berlin). 10.44 p.m.—SYD. BECK, Australian comedian: "Merry Moments." 10.48 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "Grosgrain" (Greer), "Fifteen on the Keys" (piano solo) (Confrey), "In a little Spanish Town" (Young). 11 p.m.—OUR GREAT THOUGHT: "To be content with what we possess is the greatest and most secure of riches."—Cleare. 11.2 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "Somebody's Lonely" (Davis), "How Could Red Riding Hood" (Randolph), "My Pal, Jerry" (Rose). 11.10 p.m.—RUSSELL CALLOW, tenor: "From the land of the sky blue water" (Cadmus). 11.14 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "The Prisoner's Sweetheart" (Walsh), "It's a Wonderful World After All" (Davis), "My Dream if the Big Parade" (Dubin). 11.24 p.m.—SYD. BECK, comedian: "The man reminds me of me, I left my umbrella." 11.28 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS: "Rose Colored Glasses" (Steiner), "Am I Wasting My Time" (Blibo), "Dream of Love and You" (Taylor). 11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Thursday.

MIDDAY SESSION.

- 1.0 p.m.—Market Reports; Weather Information; News Service supplied by "The Daily Mail" and "The Daily Standard." 1.20 p.m.—From Hotel Carlton: Lunch Hour Music played by Hotel Carlton Symphony Orchestra. 1.58 p.m.—From the Observatory: Standard Time Signal. 2.0 p.m.—Close Down.

AFTERNOON SESSION.

8.30 p.m.—A programme of Music by the Studio Orchestra, (including:—March, "The Rhapsody" (Hoff); waltz, "Cavito Taira" (Gamb); caprice, "Flight of Fauns" (Meyers); tango, "Band Lillo" (Pyrot); selection, "King Dodo" (Liden); rhapsody, "The Blarney Parade" (Wolfenstein); fugue, "Rosemary for Remembrance" (Malden); march, "The Bear Lull" (Hoffman).
9.29 p.m.—The Telegraph News; Close Down.

EARLY EVENING SESSION.

6.0 p.m.—"Daily Standard" News; Announcements.
6.50 p.m.—Bedtime Stories by "The Bandman."
7.0 p.m.—Market Reports; Stock Reports.
7.30 p.m.—Weather News; Announcements.
7.45 p.m.—Standard Time Signal.

NIGHT SESSION.

7.45 p.m.—Lectures:—A Talk on Sleep Training, by M. J. Carter (Assistant Instructor in Sleep and Woe).
CLARWIN ORCHESTRA.
ANGLO MALE QUARTETTE.
8.0 p.m.—Overture, "Encouragement" (Hoff); the Clarwin Orchestra (conductor, Mr. S. Henry); soprano solo, "Give Me Youth and a Day" (Teuchemacher); Miss R. G. Husband; male quartette, "Rosed in the Cradle of the Deep" (Parker); the Anglo Male Quartette; tenor solo, "Till Death" (Mascaroni); Mr. C. R. Kell; waltz, "Rose of Panama" (Hoff); the Clarwin Orchestra; bass solo, "One Floating Hour" (Dorothy Lee); Mr. R. Pike; male quartette, "Sitlin' Around the Fire" (Parker); the Anglo Male Quartette; soprano solo, "A Perfect Day" (Hoff); Miss R. G. Husband; selection, "Mendelssohn Meisles" (arranged by Robert); the Clarwin Orchestra; tenor and bass duet, "The World is Waiting for the Sunsets" (Baker, Messrs. C. Kell and R. Pike; orchestral, popular items, the Clarwin Orchestra.
9.0 p.m.—Metropolitan Weather Forecast; Baritone solo, "Who Knows" (Hall); Mr. E. N. Watts; waltz, "Gipsyland" (Lidzowski); the Clarwin Orchestra; male quartette, "Pale in the Amber West" (Parker); the Anglo Male Quartette.
9.30 p.m.—From the Band Room: 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 6

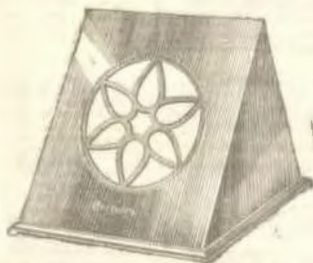
2FC, SYDNEY

MIDDAY SESSION.

12 noon—"Big Ben" and Programme Announcements.
12.3 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; Rugby Wireless News.
12.30 p.m.—Studio Music.
12.45 p.m.—Miss Ivy Taylor, mezzo, "The Bird With a Broken Wing" (Gollan).
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.
1.30 p.m.—Marching Music for School Children.
1.40 p.m.—Studio Music.
1.50 p.m.—Miss Ivy Taylor, mezzo, "Tong Yang" (Hantoku).
1.55 p.m.—Studio Music.
2.0 p.m.—"Big Ben"; Close Down.

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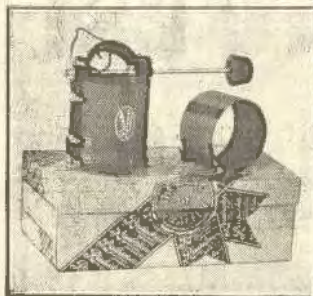
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AFTERNOON SESSION

- 2.5 p.m.—Music and Announcements
- 3.1 p.m.—FROM MARTIN PLACE, SYDNEY: Items by the N.S.W. Police Band in connection with the Rose Day Appeal.
- 3.30 p.m.—Marching music for School Children.
- 3.49 p.m.—FROM FARMER'S TEA ROOMS: Miss Eileen Moreau, mezzo soprano, "I Hear You Calling" (Marshall).
- 3.45 p.m.—A Talk on Honey Looking and Recipes by Miss Ruth West.
- 4.0 p.m.—"Big Ben": FROM FARMER'S TEA ROOMS: Miss Muriel Humphries, contralto, "The Shepherdess" (Lute).
- 4.0 p.m.—Miss Annie Payne, mezzo "Harp of the Woodland" (Martini)
- 4.10 p.m.—Studio Items.
- 4.20 p.m.—FROM FARMER'S TEA ROOMS: Miss Eileen Moreau, mezzo soprano, "My Dear Soul" (Sanderson).
- 4.25 p.m.—A Readyly.
- 4.30 p.m.—Miss Annie Payne, mezzo, "The Little Dumozel" (Novello).
- 4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Muriel Humphries, contralto, "Valley Leap" (Lugner).
- 4.45 p.m.—Stock Exchange, third call.
- 4.47 p.m.—Studio Music.
- 5.0 p.m.—"Big Ben": Close Down.

EARLY EVENING SESSION.

- 5.15 p.m.—The Chimes of 2FC.
- 5.50 p.m.—The "Hello Man" Talks to the Children.
- 6.20 p.m.—A Serial Story for the Older Ones.
- 6.40 p.m.—Dinner Music.
- 7.0 p.m.—"Big Ben": Late Sporting Information by the 2FC Racing Commissioner.
- 7.10 p.m.—Dalyell's Market Reports (wool, wheat and stock).
- 7.18 p.m.—Fruit and Vegetable Markets.
- 7.20 p.m.—Weather and Shipping Intelligence; Stock Exchange.
- 7.20 p.m.—Late "Evening News" News Service.

NIGHT SESSION.

- 7.50 p.m.—Studio Items and Programme Announcements.
- 8.0 p.m.—"Big Ben": FROM HER MAJESTY'S THEATRE, PITT STREET, SYDNEY (by arrangement with J. C. Williamson, Ltd.): The first act of Franz Lehár's Sparkling Comic Opera, "FRAS. QUITA" featuring Miss Marie Burke and Herbert Browne.
- ACT ONE: Scenes: Outside an Inn in Barcelona. Musical Nombree—Opening Chorus, Ian Iredale, Aldwin Martin, Frank Leighton and Full Chorus. "You Will Love Me, No Doubt," Thekla Burness and Herbert Browne. "The Gipsies' Chorus"..... Full Chorus. "Thieves, Thieves"..... Marie Burke. "Tell Me What Loving Is"..... Marie Burke. "Somewhere in Smokeland"..... Marie, Burke and Chorus.
- "Valse Espagnol"..... Marie Burke, Marie Ealon and Chorus. "Maiden, Maiden, If You Want a Man," Thekla Burness, R. Barrett-Lennard, and Cecil Kellaway.
- Finale..... Marie Burke, Herbert Browne
- 8.10 p.m.—FROM THE STUDIO, MR. W. F. Kay, in his final talk on "Immortals of the Sydney Stage."
- 9.25 p.m.—Mr. Gladstone Bell, 'cello solo, "Cradle Song" (Hauser).
- 9.30 p.m.—Miss Alice Prowse, contralto, "Fairy Love Song" (from "Songs of the Harlequin" (Frazar).
- 9.34 p.m.—Mr. Wally Baynes, comedian.
- 9.40 p.m.—Mr. Montgomery Stuart, in a humorous recitation.
- 9.46 p.m.—Miss Alice Prowse, contralto, (a) "Cradle Song" (Krausler) (b) "Ave Maria" (Schubert).
- 9.54 p.m.—Mr. Gladstone Bell, 'cello solo, "La Filieuse" (Dunkler).
- 10.0 p.m.—"Big Ben": Mr. Wally Baynes, comedian.
- 10.7 p.m.—Mr. Harrison White, banjo solo.
- 10.12 p.m.—Miss Alice Prowse, contralto, "Morning" (Speake).
- 10.16 p.m.—Mr. Gladstone Bell, 'cello solo, "Variation" (Rosenman).
- 10.28 p.m.—Mr. Montgomery Stuart, humorous recitation.

- 10.22 p.m.—Mr. Harrison White, banjo solo.
- 10.30 p.m.—Mr. Wally Baynes, comedian.
- 10.40 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY: The Wentworth Symphony Dance Orchestra under the baton of Mr. Frederick Leighton.
- 10.57 p.m.—Mr. Harrison White, banjo solo, FROM THE STUDIO.
- 10.58 p.m.—Late News and Announcements.
- 11.0 p.m.—"Big Ben": National Anthem; Close Down.

2GB, SYDNEY

Friday.

- 9 a.m.—Music.
- 9.4 a.m.—"Cherish" Talk.
- 9.15 a.m.—Music.
- 9.25 a.m.—Talk.
- 9.40 a.m.—Music.
- 9.45 a.m.—Talk.
- 10.0 a.m.—Close down.

AFTERNOON SESSION.

- 3.30 p.m.—Music.
- 3.37 p.m.—Talk.
- 3.52 p.m.—Music.
- 4.7 p.m.—Talk.
- 4.22 p.m.—Music.
- 4.30 p.m.—Close down.

EVENING SESSION

- 6.30 p.m.—Children's Session.
- 7 a.m.—Music.
- 7.5 p.m.—Talk.
- 7.16 p.m.—MUSIC.
- 7.20 p.m.—Topical Talk.
- 7.30 p.m.—Music.
- 7.35 p.m.—Talk to Men.
- 7.55 p.m.—Instrumental Trio: DAN SCULLY, MURIEL LANG, ADA BROOK.
- 8.5 p.m.—Address by Professor Ernest Wood.
- 8.20 p.m.—Vocal Solo by DAN SCULLY.
- 8.28 p.m.—A Half Hour with 2GB String Quartette: LLOYD DAVIES, MONICA HORDER, CHARLES BOLT, MURIEL LANG.
- 8.55 p.m.—Announcements.
- 9 p.m.—Topical Talk.
- 9.15 p.m.—Songs by Mr. Edmonds.
- 9.23 p.m.—Piano Solo by ADA BROOK.
- 9.35 p.m.—Instrumental Trio: MONICA HORDER, MURIEL LANG, ADA BROOK.
- 8.45 p.m.—Songs by Mr. Edmonds.
- 9.53 p.m.—"Cherish" Talk.
- 10 p.m.—Close down.

3LO, MELBOURNE

Friday

MORNING SESSION.

- THE FUTURISTS.
- EUGENIE DUGGAN.
- AGNES FORTUNE, PIANO.
- O'MARA AND BURKE, Entertainers.
- GRACE AND KEATS.
- THE STUDIO ORCHESTRA.
- Accompanist..... AGNES FORTUNE
- Announcer..... MAURICE DUDLEY
- 12 noon—POTTED HUMOR.
- 12 noon—Time Signal: British Official Wireless News from Rugby; Reuters and the Australian Press Association Cables; "Argus" and "Herald" News Services.
- 12.20 p.m.—THE FUTURISTS. Twenty minutes of bright news.
- "Quintessence of Comedy."
- 12.40 p.m.—Stock Exchange Information.
- 12.50 p.m.—THE STUDIO ORCHESTRA. "Leid" (Massenet).
- 1.0 p.m.—EUGENIE DUGGAN, Elocutionist, "The Death of Paul Dombey" (Dickens).
- 1.7 p.m.—AGNES FORTUNE, PIANO, "Barcarolle" (Rubenstein).
- 1.14 p.m.—Meteorological Information.
- 1.20 p.m.—STUDIO ORCHESTRA, "A Dervish Chorus" (Sibel).
- 1.30 p.m.—O'MARA AND BURKE, Entertainers from the Emerald Isle.

ANNA BURKE, "You'd Better Ask Me."
 CHAS. O'MARA will entertain you.
 STUDIO ORCHESTRA, "An Irish Picture."
 CHAS. O'MARA, Boston.
 "Little Slings" of "Six" (Hewitt).
 1.46 p.m.—STUDIO ORCHESTRA,
 "Around the Christmas Tree."
 1.52 p.m.—GRACE AND FEATS.
 Picnic, Forest and a Piano.
 2.0 p.m.—Close Down.
 2.20 p.m.—Description of Public Schools Head
 of the River, transmitted from GEELONG,
 by MR. A. S. MAHSHAY.
 2.40 p.m.—Close Down.

AFTERNOON SESSION.

HEAD OF THE RIVER,
THE STUDIO ORCHESTRA.

Speakers:

"AU FAIT" MRS. M. CALLAWAY MAHOOD
 ESTELLE MARK TRIO
 MADAME LAMBERT, Soprano.
 TASHA TIERNAN, "Cello,
 Accompanist AGNES FORTUNE
 Announcer MAURICE DUDLEY
 ART, MUSIC AND SPORT.

2.50 p.m.—Description of Public Schools Head
 of the River, transmitted from GEELONG,
 by MR. A. S. MAHSHAY.

3.10 p.m.—STUDIO ORCHESTRA,
 "Mozskowakiana" (Mozskowski).

3.16 p.m.—"AU FAIT,"
 Fashion Talk.

3.25 p.m.—Description of Public Schools Head
 of the River, transmitted from GEELONG,
 by MR. A. S. MAHSHAY.

3.40 p.m.—ESTELLE MARK TRIO,
 Song, "Pluck This Little Flower" (London
 Ronald).

Piano, "Valse Triote."
 Song, "She is Far From the Land" (Frank
 Lambert).

Violin, "Elegate" (Ernst).

3.55 p.m.—STUDIO ORCHESTRA,
 "Red Poppies" (Percy Elliott).

4.5 p.m.—MADAME LAMBERT, Soprano,
 "Bourquei Luckmi" (Delibes).
 "Pour un baiser" (Toati).

4.32 p.m.—TASHA TIERNAN, "Cello,
 "Lullaby" (Cecil Scott).

4.37 p.m.—STUDIO ORCHESTRA,
 "By the Lake of Geneva" (Bonde).

4.42 p.m.—MRS. M. CALLAWAY MAHOOD,
 Art in Modern Life.

4.40 p.m.—"Herald" News Service; Stock Ex-
 change Information.

5.0 p.m.—Close Down.

EVENING SESSION.

Accompanist ELSIE BRADSHAW

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

5.50 p.m.—"BILLY BUNNY,"
 "The Story of Bunny Edmund."

6.5 p.m.—O'MARA AND BURKE, Enter-
 tainment from the Emerald Isle.

ANNA BURKE, "The Girl With the Bit
 of a Brogue."

CHAS. BURKE, "Has Some Funny Stories
 to Tell."

6.12 p.m.—BAROLD COLLIER,
 "Mouthorgan Selections."

6.18 p.m.—"BILLY BUNNY,"
 "Tanglewood Tales."

6.20 p.m.—"Arts" and "Herald" News Ser-
 vices; Weather Synopsis; Shipping Move-
 ments.

6.41 p.m.—Stock Exchange Information.

6.53 p.m.—Fish Market Reports, by J. R. Bar-
 rett, Ltd.

6.55 p.m.—River Reports.

6.58 p.m.—Market Reports of Fruit, by the
 Victorian Fruit-growers' Association, compiled
 by "The Fruit World," exclusive to S.L.O.

NIGHT SESSION.

Speakers:

MR. H. A. MUILETT,
 DR. BROOKE NICHOLLS,
 M. E. K. LOVE,
 "CARDIGAN."
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RUSSELL CALLOW, Tenor.
HAROLD COLLIER, Mouthpiece.
MARY MACK, Contralto.
SYD BECK, Comedian.
NELL CRANE, Comedienne.
COLLINGWOOD CITIZENS' BAND.
Conductor, MR. E. C. JOHNSTON.
JOE ARONSON AND HIS SYNCPATING SYMPHONISTS.

Accompanist AGNES FORTUNE
Announcer ALFRED ANDREW

A POPULAR PROGRAMME.

7.15 p.m.—Under the Auspices of the Department of Agriculture, MR. H. A. MULLETT, Agricultural Superintendent, "Wheat Growing—Pickling Seed."

7.30 p.m.—STUDIO ORCHESTRA,
"Andalusia" (Narcinotes).

7.40 p.m.—O'MARA AND BURKE, Entertainers from the Emerald Isle.

ANNA BURKE, "If Shamrocks Grew on the Swanee Shore" (Ball).

CHAS. O'MARA, will entertain you.

STUDIO ORCHESTRA,
"Another Irish Picture."

CHAS. BURKE, Baritone,
"The Bale McCoy" (Chas. O'MARA).

8.0 p.m.—DR. BROOKE NICHOLLS,
"An Island Paradise."

8.15 p.m.—COLLINGWOOD CITIZENS' BAND,
March, "Thro' Bolts and Stars"
Fox-trot, "The More We Are Together."

8.25 p.m.—ESTELLE MARK TRIO, a quartet of an hour with the famous composer, "BRAHMS."

8.40 p.m.—STUDIO ORCHESTRA, "Ballet Suite" (Rameau-Mott).

8.47 p.m.—RUSSELL CALLOW, Tenor,
"Frelude" (Landon Ronald).

"Dolorosa" (Phillips).

8.54 p.m.—Crackjack Mouthorgan Orchestra, under direction of HAROLD COLLIER,
"Dimple Eagle March"
"That's My Love You,"

"Bye, Bye, Blackbird"

9.0 p.m.—MR. H. K. LOYE,
"Technical Talk."

9.10 p.m.—MARY MACK, Contralto,
"Fanning" (Teresa Del Rio),
"Salvina" (Agnes Mary Lang).

9.17 p.m.—COLLINGWOOD CITIZENS' BAND,
"Rose Marie"

9.21 p.m.—SYD BECK, Australian Comedian,
9.40 p.m.—STUDIO ORCHESTRA,
"Idyl" (Franz Van Binn).

9.47 p.m.—"CARDIGAN," Mr. H. A. WOLFE,
Sporting Editor of the "Argus" and "Australasian," will speak on Saturday's races.

9.57 p.m.—COLLINGWOOD CITIZENS' BAND,
Intermezzo, "White Lillies,"
Cornet Solo, "Serenade" (Schubert),
Soloist, J. Bramwell.

10.7 p.m.—NELL CRANE, Comedienne,
"Live For All You're Worth" (Daravski),
"Three Ages of Woman."

10.15 p.m.—HAROLD COLLIER'S Crackjack Mouthpiece Orchestra,
"A Night of Love,"
"In a Little Spanish Town,"
"Bells of St. Mary."

10.22 p.m.—"Argus" News Service; British Official Wireless News from Rugby; Meteorological Information.

10.33 p.m.—MARY MACK, Contralto,
"Lie There My Love" (Hamish MacCann),
"The Year's at the Spring" (Mrs. H. H. Beach).

10.40 p.m.—COLLINGWOOD CITIZENS' BAND,
Waltz, "Casillus,"
March, "Bosphoropholes" (Dickson).

10.50 p.m.—Announcements; Road Notes, supplied by the Automobile Club of Victoria.

11.0 p.m.—OUR GREAT THOUGHT,
"General observations drawn from particulars are the jewels of knowledge, comprehending great store in a little room."—LOCKE.

11.1 p.m.—JOE ARONSON AND HIS SYNCPATING SYMPHONISTS,
"By the Sign of a Rose" (Fields),
"Sunday" (Miller)

"Hello, Little Girl of My Dreams" (Berkl).

"Hello Aloha" (Baer),
"The Original Black Bottom" (Henderson),
"I'm On My Way Home" (Berlin),
"Let's All Hear Ford" (Leslie),
"Radio-Reddy" (Eugene Solo), (Bargy),
"The More We Are Together" (Campbell),
"Mary Lou" (Lyman),
"Ting A Ling—Waltz of The Bells" (Britt),
"Ruby Face" (Alest),
"Somebody's Lonely" (Sandwich),
"A Cup of Coffee" (Davidich, and You" (Meyer),
"Just A Bird's Eye View" (Donaldson),
"Just One More Kiss" (Dovera),
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; Luncheon Music played by Hotel Carlton Symphony 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; News Service supplied by "The Telegraph."
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.
7.43 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 held at 7.0 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.

7.45 p.m.—From the Reception Hall; W.E.A. music class.

8.15 p.m.—Week-end road information for motorists, officially supplied by the Royal Automobile Club of Queensland.

8.30 p.m.—A ONE-ACT PLAY, "The Monkey's Paw" (a fantasy in three scenes, by Mr. W. Jacobs), presented by the Brisbane Round Table Players. Persons in the play: Mr. White (Keville Elliott), Rachel (Keith Elliott), Mr. White (Edith Rosetti), Sergeant Merris (John Clarke), Mr. Sampson (Eric Roemermann). Scene I: The Living-room of an Old-Fashioned Cottage in the Outskirts of Fulkam, London—Evening.

Scene II: The same—the following morning.

Scene III: The same—Evening (a week later); time, the present.

10.0 p.m.—"The Daily Mail" News; Weather News; Tomorrow's Sporting Fixtures; Close Down.

Saturday, May 7 2FC, SYDNEY

MIDDAY AND AFTERNOON SESSION

- 12 noon.—"Big Ben" and announcements.
 12.5 p.m.—Studio music.
 13.10 p.m.—Official Weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
 12.35 p.m.—Summary of "Sydney Morning Herald" news service and cables.
 13.30 p.m.—Ripley wireless news.
 13.45 p.m.—Studio music.
 12.44 p.m.—A Talk on Gardening by Mr. J. G. Lockley ("Redgum").
 1 p.m.—"Big Ben." Weather intelligence.
 1.3 p.m.—"Evening News" midday news service.

1.30 p.m.—Studio music.
NOTE.—Race results from Warratek Park will be given during the afternoon.
 A full description of the Seal heats of the G.P.S. Regatta, which is being run on the Parramatta River.
 This broadcast description will be carried out by Mr. Roger Fitzhings and Mr. Charlie Stewart, assisted by the 2FC Announcers.

During the afternoon there will be taken from the Werrisworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Lefebvre.
 Items from the Studio will include Mr. Cliff Arnold, Novelist Pianist.
 4.15 p.m.—Complete resume of the day's sporting events.
 5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION

- 5.45 p.m.—The Chimes of 2FC.
 5.50 p.m.—The "Hello Men" Talks to the Children.
 6.25 p.m.—A Serial Story for the older ones.
 6.40 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.
 7.25 p.m.—Studio music.

NIGHT SESSION.
 7.50 p.m.—Programme announcements and musical items from the Studio.

8 p.m.—"Big Ben." FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY.

Items by the Orchestra, under the baton of Mr. Harry Stone.

- 8.16 p.m.—Mr. Powell Paulini, tenor.
 8.11 p.m.—Mr. George Welch, comedian.
 8.20 p.m.—Miss Dwindy Finster, soprano.
 8.24 p.m.—The Neapolitan Duo, from Station 1140 Melbourne.
 Mr. Len Gibson, mandolin.
 Mr. Charles Backstrom, steel guitar.
 (a) Duet, "Cieliridin" (Russia).
 (b) Mandolin Solo, "Melody in F" (Rubenstein).
 (c) Duet, "Over the Waves" (Russia).

8.32 p.m.—Mr. Harry Avondale, comedian.
 8.30 p.m.—FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY.
 Items by the Orchestra, conducted by Mr. Harry Stone.

8.45 p.m.—FROM THE STUDIO:
 Miss Peggy Paul, soubrette.
 8.52 p.m.—The 2FC Dance Band (Conductor, Mr. Eric Pearce):

Reo Treo, "Two got the Girl" (Donaldson).
 8.58 p.m.—Mr. Powell Paulini, tenor.
 9.5 p.m.—Mr. Harry Avondale, comedian.
 9.13 p.m.—FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY.
 Orchestral items.

9.21 p.m.—FROM THE STUDIO:
 Miss Gwendy Finster, soprano.

9.26 p.m.—The Neapolitan Duo, Mr. Len Gibson, Mandolin, Mr. Charles Backstrom, steel guitar:
 (a) Duet, "Plantation Melody" (arr. Gibson).
 (b) Mandolin solo, "Sousvent" (Drdla).
 (c) Steel Guitar Solo

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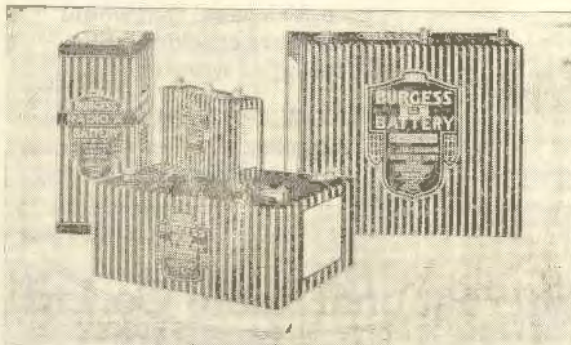
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N.S.



BURGESS RADIO BATTERIES

- (d) Duet, "Memories of Comic Opera" (arr. Quibon).
9.40 p.m.—Mr. George Welch, comedian.
9.47 p.m.—Mr. Powell Paulin, tenor.
9.50 p.m.—The 2FC Dance Band (Conductor, Mr. Eric Pearce):
(a) Fox Trot, "On the Riviera" (Gilbert).
(b) Waltz, "I Wish you were Jealous" (Hautrich).
10.2 p.m.—Miss Gwladys Finlister, soprano.
10.6 p.m.—Mr. Harry Avonada, comedian.
10.9 p.m.—FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY:
Orchestral items.
10.18 p.m.—FROM THE STUDIO:
Miss Peggy Post,oubrette.
10.26 p.m.—The 2FC Dance Band:
Fox Trot, "Tonight's My Night" (Caesar).
10.32 p.m.—Mr. Laurence Halbert, baritone:
"The Far Away Bells" (Gordon).
10.36 p.m.—Miss Peggy Post, soprano:
10.40 p.m.—The 2FC Dance Band (Conductor, Mr. Eric Pearce):
(a) Fox Trot, "Hello, Bluebird" (Friend).
(b) Waltz, "Lullaby Moon" (Tibori).
10.52 p.m.—Mr. Laurence Halbert, baritone:
"Moonlight on the Ganges" (Myers).
10.56 p.m.—Late news and announcements.
11 p.m.—"Big Ben"—The 2FC Dance Band, in its following numbers:
(a) Fox Trot, "Freelious" (Pasternack).
(b) Fox Trot, "H. Ho, the Merril" (Brown).
(c) Fox Trot, "Lonesome and Sorry" (Davis).
11.15 p.m.—FROM THE WENTWORTH CAFE, THE WENTWORTH SYMPHONIC DANCE ORCHESTRA, in Popular Numbers, until 11.45 p.m.
Conductor, Mr. Frederick Lighton.
11.45 p.m.—National Anthem.
Close down.

3LO MELBOURNE

Saturday,

MORNING SESSION.

- 9.45 p.m.—Description of the Arrival of the DUKE and DUCHESS OF YORK in Geelong.
THE STUDIO ORCHESTRA.
O'MARA AND BURKE.
C. RICHARD CHUGG, Flute.
ESTELLE MARK TRIO.
EDOUARD LAMBERT, Violin.
EUGENIE DUGGAN.
FRED NORTHCOPE, Soprano.
FRANKLIN STONHAM, Clarinet.
AGNES FORTUNE, Piano.
Announcer..... MAURICE DUDLEY
Accompanist..... AGNES FORTUNE
11.0 a.m.—STUDIO ORCHESTRA.
"Sutle Melodique" (Friml).
11.10 a.m.—O'MARA AND BURKE, Entertainers from the Emerald Isle.
Anna Burke, "Beautiful Eileen" (Nono).
Chas. O'Mara, will entertain you.
Studio Orchestra, "Irish Melodies."
Chas. O'Mara, Baritone.
"Gilligan's Moving Day" (Stamford).
11.25 a.m.—C. RICHARD CHUGG, Flute.
"With of the Whip" (Oscar Strauss).
11.32 a.m.—STUDIO ORCHESTRA.
"Chocolate Soldier" (Oscar Strauss).
11.42 a.m.—ESTELLE MARK TRIO.
Song, "The Valley of Laughter" (Sanderson)
Piano, "Passion" (Debussy).
Song, "Her Dream" (Waller).
Violin, "Old English Dance" (Brahms).
12 noon.—Time Signal; British Official Wireless News from Rugby; Reuter's and the Australian Press Association Cables;
"Argus" and "Herald" News Services.
12.20 p.m.—STUDIO ORCHESTRA.
"Samson of Delilah" (Saint Saens).
12.30 p.m.—EDOUARD LAMBERT, Violin.
"Andante" (Mendelssohn).
"Menuet" (Mozart).
12.40 p.m.—Stock Exchange Information.
12.50 p.m.—STUDIO ORCHESTRA.
"Cavalleria Rusticana" (Mascagni).
1.0 p.m.—EUGENIE DUGGAN, Elocutionist.
"Denver's Speech."

- 1.7 p.m.—FRED A NORTHCOTE, Soprano.
"Lament of Ise" (Bantock).
"The Nightingale" (Kjerulf).
1.14 p.m.—Weather Report.
1.20 p.m.—STUDIO ORCHESTRA.
"Bercariole" (Offenbach).
1.30 p.m.—EDOUARD LAMBERT, Violin.
"Zigeunerweisen" (Sarasate).
1.37 p.m.—FRED A NORTHCOTE, Soprano.
"The Old Country" (Pinsuti).
"Bad Niles" (Brahms).
1.45 p.m.—FRANKLIN STONHAM, and
AGNES FORTUNE, Clarinet and Piano.
"Ronde from Grand Duo" (Weber).
1.52 p.m.—STUDIO ORCHESTRA.
"H.M.S. Pinaford" (Sullivan).
2.0 p.m.—Close Down.
2.30 p.m.—Description of Hurdle Race, Append-
ix by "Musket" of the "Sporting Globe."
Results of Wagga Races as they come to
hand.

AFTERNOON SESSION.

- JOE ARONSON AND HIS SYNCOPATING
SYMPHONISTS.
2.50 p.m.—Description of PUBLIC SCHOOLS
HEAD OF THE RIVER, transmitted from
Geelong and described by MR. A. S.
MARSHALL.
3.10 p.m.—Result of Two-Year Old Handicap,
Ascotvale Park Race.
3.12 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS.
"Burgundy" (Muller).
"Dye, Eye, Blackbird" (Dixon).
"Tonight's My Night With Baby" (Meyer).
"Half a Moon is Better Than no Moon"
(Reynolds).
"Idolling" (West).
3.30 p.m.—Description of Ascotvale Park
Handicap, by "Musket," of the "Sporting Globe."
3.35 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS.
"In a Little Spanish Town" (Wayne).
"Me Too—Ho, Ho—Ho, Ho" (Brown).
"Hi, Ho, the Merrio" (Woods).
"I've Been Wasting my Dreams Over You"
(O'Hagan).
4.0 p.m.—Description of Ascotvale Park
Handicap, by "Musket," of the "Sporting
Globe."
4.5 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS.
"Take in the Sun, Hang Out the Moon"
(Woods).
"That's Why I Love You" (Donaldson).
"I'm Lamin' For You" (Hawway).
"The Village Blacksmith" (Mouss).
"Kentucky Lullaby" (Miller).
"There Ain't no Maybe in My Baby's Eyes"
(Kahn).
4.30 p.m.—Description of Ascotvale Purse,
by "Musket," of the "Sporting Globe."
4.35 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYMPHONISTS.
"I've Got the Girl" (Donaldson).
"You've Got to Blackshuffe" (Sparks).
"That Swagon and Deliah Melody" (Grey).
4.45 p.m.—"Herald" News Service; Stock Ex-
change Information.
5.0 p.m.—Close Down.

EVENING SESSION.

- 5.30 p.m.—(Special) Results: Results of the
Interstate Rowing (for the King's Cup), and
Sculling (for the President's Cup), will
be given as soon as they come to hand.
5.40 p.m.—CHILDREN'S HOUR: Answers to
letters and birthday greetings.
5.55 p.m.—FRED A NORTHCOTE, Soprano.
"Two Little Australian Songs."
6.2 p.m.—"LITTLE MISS KOGGRABURRA"
has another story about "Suzzy" ("Suzzy
gets into hot water").
6.12 p.m.—FRED A NORTHCOTE has two
more little songs.
6.20 p.m.—CAPT. DONALD MACLEAN,
"The Terrible Francols L'Glonols".
6.35 p.m.—"Argus" 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.
6.52 p.m.—Fish Market Reports, by J. R.
Berrett, Ltd.
6.55 p.m.—Market Reports by the Victorian
Producers' Co-operative Co., Ltd.; New-
market Sheep Sales; Potatoes and Onions;

A Radio Bargain

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**Loud Speaker
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Large size, type XP, 31.5 volt	16 -
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Extra large size, type Super Service, 42 volt	28 6

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Fruit Market Reports, by the Victorian Wholesale Fruitellers' Association, compiled by "The Fruit World," exclusive to 3LO.

NIGHT SESSION.

Speakers:
MR. R. RAWSON, MR. E. E. PESCOTT, and DR. LEACH.
CONCERT OF MUSICAL SOCIETY OF VICTORIA.

ERNEST WILSON, Baritone.
"THE FUTURISTS."
Announcer..... MAURICE DUDLEY
Accompanist..... AGNES FORTUNE
7.15 p.m.—MR. R. RAWSON, "Esperanto"
7.30 p.m.—MR. E. E. PESCOTT,
"Australian Heaths."
7.45 p.m.—DR. LEACH,
"Terms of Sea-Swallows."
8.0 p.m.—MUSICAL SOCIETY OF VICTORIA,
Concert Transmitted from the Assembly Hall,
String Quintette, "Op. 29" (Beethoven),
BERTHA JORGENSEN, HOPE SCOTT,
DOROTHY ROXBURGH, WINNIE ROBERTS, TASMA TIERNAN.
Piano, "Waldstein Sonata" (Beethoven),
ELSIE FRASER.
Aria from "Fidelia" (Beethoven),
JESSIE McMICHAEL.
Violin, "Concerto" (Beethoven),
STANLEY ADAMS.
Instruments—Trio, Flute, Violin and Viola,
"Op. 25" (Beethoven),
C. RICHARD CHUGG, BERTHA JORGENSEN, DOROTHY ROXBURGH.
Quartette of Trombones,
"Equal" (Beethoven).

FROM THE STUDIO.

10.0 p.m.—ERNEST WILSON, Baritone,
"Pure and Tender Star of Eve" (Wagner),
"Blind Ploughman" (Clarke).
10.7 p.m.—"Arcus" News Service; British Official Wireless News from Rugby; Meteorological Information.
10.17 p.m.—"THE FUTURISTS." In their latest Vaudeville Attraction,
"A Comedy Cane."
10.42 p.m.—JOE ARONSON AND HIS SYM-PHONIZING SYMPHONISTS,
"Burgundy" (Malie),
"Bye, Bye, Blackbird" (Dixon),
"To-night's My Night With Baby" (Meyer).
10.50 p.m.—Announcements; Sporting Results.
11.0 p.m.—OUR GREAT THOUGHT,
"That nation is worthless which does not joyfully stake everything on her honor"—SCHILLER.
11.1 p.m.—JOE ARONSON AND HIS SYM-PHONIZING SYMPHONISTS,
"Fire Leaves" (Adamy),
"Every Little Thing" (Spencer),
"That Samson and Delilah Melody" (Grey),
"You've Got to Bink Shuffle" (Sparks),
"I've Got the Girl" (Donaldson),
"Kentucky Lullaby" (Miller),
"That's Why I Love You" (Donaldson).
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 Message for Little Listeners, by "Miss Waratah."
4.30 p.m.—Close Down.
EARLY EVENING SESSION.
6.50 p.m.—Bedtime Stories by Uncle Ben and Uncle Jim.
7.15 p.m.—Racing Results.
7.20 p.m.—To-day's Brisbane Rugby League Play.
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 Gaiety Theatres, Toowoomba; Orchestral Music.
9.0 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; Weather News; Close Down.

The Come-back of the Quondam Listener-In.

READERS of a certain Melbourne news-sheet remember the publication therein, some three months since, of some verses written in the style of Scotland's national bard by a poetically inclined listener by way of reply to a printed request form emanating from the Radio Inspector. The verses were, it appears, printed without the knowledge of the writer who, after the lapse of some few weeks, decided to address the Postal Director (Mr. H. P. Brown) on the subject direct. The bard's come-back has been handed to us, and as we feel they are worthy of reproduction and will be enjoyed by numbers of our readers, we publish them here.

The writer appears to possess a fair share of the pawky humour so characteristic of the canny Scot, and it will be observed he commences with a truly philosophical dig at himself over his tardiness in acknowledging the compliment paid him through the publication of his initial effort.

*His dat voo cito dat, us scholars say,
An' pardan A man ask for ma delay
Tae think ye fur the Kin' an' frienly
way*

He, compliment

*Thae rhymes o' mine wilk, six weeks
syne or aye,*

Ye put in prent!

*As a' who ken wad Scotin's toast
mirk guess,*

*Her faur-spread sons are modest, mair
or less,*

*A'm ane, ye've guessed, an' yet A
man confess*

Ye tempt me mair,

*Wf thae bakays ye've flung me t' the
press,*

Tae ye ye mair!

*Sae here ye aye! A've strung the
gither here*

*Two-three mair rhymes may please
your critic ear,*

*They're no' due, sir tae whiskey nor
tue beer—*

Ye mairna think it!

*A've wadn' A'm Scotch; but, ay! ye'll
think it queer!*

A divna drink 't!

*"Gaud Scottish verse," ye say, A'm
proud ye've thocht!*

*Sae muckle a' thae bit o' rhyme A
wraucht!*

*Your bluid be on your ain heid! On't
ye've brocht*

Ik present here,

*But, six ma theika tub here the shape
ye aecht,*

The pleasure 'z mine.

*It's true A've lapped free listent'
in—yea tom,*

*But no' because the programmer A
condem,*

*Twis s.t.O. ma wee set pot; an' them,
Frax a' A've heard,*

*Ye canna bate at this broadcastin'
gemm—*

(Continued on Page 60)

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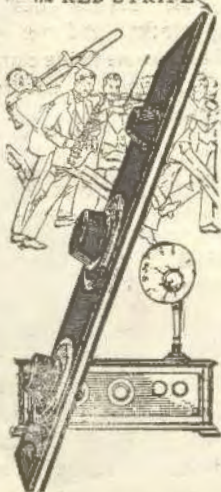
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DILECTO: The Panel for Better Built Sets

*The thocht 's absurd!
Micht A say here, afore A hit the hay
(Ma Muse pechs sair, ye're aiblins
yawnin' tae?).
Twi's jist by chance A seen the Sun
that day
Ye made rae free
As yrent ma rhymes wi-oot the bard's
"Ye may!",
Or warmin' me!
Blame ye for that? Na, sir; Aus-
tralian folk
Seem a tae like the Scotch, be 't drink
or joke!
An' whan A rhym 't lat be aped
Rabbie's cloak
It ael tae wear,
A jist "luik't for 't"! An', since sae
kin' ye're spoke,
We'll ca' it square!*

Broadcasting Control Changes in England and America.

BBROADCASTING conditions in England and America have undergone some changes recently, and as we are all interested in the development of the business it is worth while noting the changes. Australia started after the business was established in those countries, and presumably the authorities here studied the conditions existing in the older countries before establishing the existing system.

In England the change is not very noticeable to listeners. The British Broadcasting Company has become the British Broadcasting Corporation, the well-known initials B.B.C. still remain. The stations with their staffs and equipment have been taken over together with all existing contracts and arrangements for artists. The managing director of the company has become Governing Director of the Corporation and takes his place with the other Governors of the Corporation.

The Corporation has a Royal Charter from the King to carry on the broadcasting business for 10 years. As in the case of its predecessor the corporation has a licence from the Postmaster-General; its charter does not give it absolute control. The P.M.G. will still be the high authority.

The listener's licence or subscription fee still remains at 10/- per year, and the Corporation will receive monthly about 80 per cent. of the money thus collected by the Post Office. No reduction in the fees was anticipated, they are low enough already. It is only in a thickly settled country like England that such low fees could be maintained. As the license number over 2,500,000 the revenue is quite substantial.

(Continued on Page 61)

Some dissatisfaction has been expressed with the programmes recently, but apparently the objections are not of any serious nature. It is easy for one to be misled when a few letters are written to the papers complaining of this or that programme. One is apt to conclude at first that those letters express the opinions of the majority of listeners.

It is somewhat surprising to find that descriptions of sporting fixtures like football matches have only recently been undertaken. Apparently sporting items previously were not included frequently, but the experience of a few trial cases has been so satisfying that the future programmes will contain a greater proportion of sporting items. This belated recognition of the requirements of listeners interested in sport will come as a surprise to us who have looked for and appreciated the sporting service of stations like 3LO.

The long-fought-out battle in the United States legislation on the subject of the control of radio—broadcasting, ships, coast and other stations—has ended at last, and it ended more or less in a draw. One party wanted control by the Secretary of Commerce, while the other wanted control by a Commission. The final result is that a Commission of five members (selected from five zones of the country) is to take complete charge for one year. At the end of that year the activities and authority of the commission will be limited. The Secretary of Commerce will then take charge and the Commission will act as a board of appeal.

The broadcasting stations will all be licensed and limited in number. A large reduction of the 600 odd stations will surely result. The licenses is for a period of three years only.

No provision is made for licenses for listeners. Apparently the existing order of things in that direction will continue.

Australia Keeps Pace. —

After having toured Great Britain, Europe and America, Mr. Leonard Schultz, a Sydney radio man, has returned to New South Wales satisfied that all things considered, Australian broadcasting stations compared very favorably with those of American and English. "Radio" is more popular in Australia, on a population basis, than on the Continent," says Mr. Schultz. While in New York, Mr. Schultz heard a number of Australian amateur stations.

ANNOUNCING— Arrival of New Burgess Batteries

Unprecedented demands for the famous dry-cell Burgess battery recently far out-ran our big monthly stocks, and we were compelled to cable to the Burgess Battery Company for additional shipments.

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PCCJ and WGY

ONE OF THE most remarkable events in broadcasting yet accomplished in Australia was the feat of 2BL in picking up and re-broadcasting recently a Dutch and an American station. Wonderful indeed that Australian listeners should actually hear men and women speaking, singing and playing in countries 12,000 and 8,000 miles away. The Dutch station PCCJ was picked up at 4 p.m., and an official speaking in English with a marked foreign accent, was heard announcing the items. "Just wait one minute, please"—the familiar words sounded quite close, yet they had travelled half way round the world in about one-sixteenth of a second.

THERE WAS NOTHING startling about the items rendered. They included a few songs, some jazz pieces, and a minuet of Beethoven's. The transmission cannot be said to have equalled the usual transmissions of our own stations. Although such could hardly be expected, it certainly gave Australian listeners food for thought and brings closer the time when we will be able to hear the world's greatest artists wherever they may be appearing.

THE AMERICAN STATION re-broadcast was WGY Schenectady through which Australian delegates on the Industrial Mission to U.S.A. sent special messages to Australia and to the Duke and Duchess of York. Credit for picking up and re-broadcasting these two stations rests with Mr. Ray Allsop, engineer of 2BL, who has proved himself on many occasions an exceptionally capable radio engineer.

BROADCASTING has had a special value to the Watts family, Ozona Avenue, Aspendale, Victoria, during the visit of the Duke and Duchess of York. Mr. Watts is the chief position on the royal carriage set aside to meet the Duke and Duchess in Melbourne, which fact was made known to 2FC in a letter from Mrs. Watts, who writes: "Mr. Watts has had the great honor of driving our King and Queen, when as Duke and Duchess of York, they visited this country 26 years ago. Mr. Watts was then postilion and coachman to the late Lord Hopetoun during his office as Governor and Governor-General. Mr. Watts also had the honor of posting H.R.H. the Prince of Wales into Melbourne and Sydney, so you can quite understand what a keen interest we take in the Royal tour."



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The Shell looked all right; big, brown, inviting. In fact, you picked it out on size. It *looked* good. But when you cracked it—nothing.

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Get a P. & R., though, and you get capacity, you get service; plates sturdied to work and keep working; terminals petroleum-jelly packed to stop creep; a "Dagenite" cell case which is leak and acid-proof; wood, interplate separators tested and re-tested; a battery with a guarantee; which costs no more than the ordinary kind; the battery which is standard to Rolls Royce cars.

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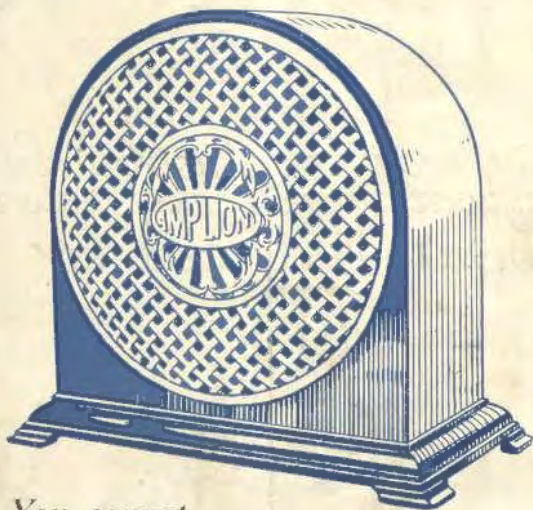
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