

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 2

Who Broadcast the First Concert in N.S.W.?



Friday, May 6, 1927.

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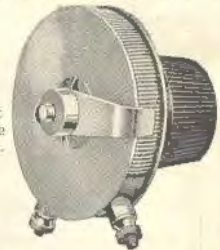


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WIRELESS WEEKLY

VOL. 10, No. 2

FRIDAY, 6th MAY, 1927.

Official Muddlers.

"**F**LOUNDERING officialdom" has been severely criticised in the daily press over the "mess it has made in arrangements for the opening of Parliament in Canberra." One largely circulated journal makes it appear that the organisers of the Duke's visit have been found out in an attempt to lessen their troubles on the great day by distorting the difficulties and restrictions visitors would meet with. Thus, the original estimate of 100,000 spectators, has been reduced to 10,000, and the officials are blamed for frightening away 90,000 people.

If this, then, is so serious a crime as to earn the condemnation of the daily press, what must be the magnitude of the misdemeanour of the officials when they ignore the claims of a quarter of a million people who would not trouble them with their presence, but wish merely to listen? Perhaps the cool indifference of the officials has rendered our great organs speechless, for not a word has been said about it.

Broadcasting has suffered just as much, perhaps more, at the hands of muddling organisers as have other arrangements. The broadcasting companies have been promised that the speeches and a description of the ceremony will be broadcast through all the "A" class stations, and that is all. Advice, and assistance, offered by most of the broadcasters, has been declined with the reply that all the arrangements will be carried out by the Government.

Since then, a close silence, which seems to indicate that nothing has been done, has been maintained by the officials. No attempt has been made to forward to the broadcasting companies an advance programme, and so listeners will have to trust to luck for the right moments to tune-in.

This failure on the part of the Government has perturbed broadcasting managers. Experience has taught them that large broadcasts such as this require rehearsals and the schooling of every participant so that all work together; emergencies have to be prepared for and apparatus tested, yet nothing like this has been attempted. The occasion requires the best announcer in Australia, one with some experience and an intimate knowledge of Parliamentary procedure and personalities, yet no attempt has been made to appoint the right man, and the officials have given no thought to this side of the matter in their effort to make the select 400 comfortable.

Unless, as will probably happen, one of the large "A" class stations is called upon to assist the transmission at the last minute, the broadcast is likely to be dry and colourless. Anticipating this, 2FC is to be congratulated upon its decision to spend the whole day, Sunday, May 8, broadcasting descriptions of the preparations for the following day, the arrival of the visitors, and perhaps short speeches by the most important of these.

Between You And Me And The Microphone

Conducted by Jack Plugge



MORE THAN 100 MILES of trunk line were used, by 4QG during the broadcasting of the Gympie Eisteddfod. Not once during the 31 hours was transmission impaired.

"RADIO RETAILING" states that 1,750,000 sets were sold in the United States during the last season, as compared with two million the year before, a decrease of twelve and a half per cent. The average price, however, has risen from £18 to £23, so that gross sales for the year will be larger than last year.

THE "RADIO MOVIE," which transmits moving pictures through space so that they may be reproduced in the home, has recently been shown in New York. General use of this new invention in the home within a decade is predicted. Dr. E. F. W. Alexanderson, engineer of the General Electric Co., is the inventor.

THE ABORIGINAL SETTLEMENT at Bomaderry, near Nowra, has been equipped with a handsome receiving set, thanks mainly to an appeal by "Brings" who has been speaking on the customs of the aborigines from 2BL for the past three years. While on the subject of aborigines it may be mentioned, as a sign of the times that at the Lismore Show this month, three full-blooded aborigines each bought themselves a multivalve radio receiving set.

"YOU HAVE HAD quite a strenuous time, have you not?" Thousands of listeners heard these words addressed by the Duchess of York to the official announcer of 4QG during the broadcasting of a description of the Garden Party and Venetian Carnival at New Farm Park. Their Royal Highnesses had been conducted from the dais to a position immediately in front of the choir of 2000 voices, and on returning to the dais they came near the microphone, close to which the announcer was standing. The Duchess spoke softly (the announcer says "sweetly too") and her remarks were quite audible to listeners above the animated conversation of the guests.

LISTENERS probably missed 2GB for two nights during the recent cyclone, the station having been off the air owing to damage by the storm. The trouble was not serious however.

THE STENOGRAPHERS' COMPETITION: The competition for stenographers, arranged by 3LO, to be conducted on May 3, has been postponed until May 24.

ANOTHER AUSTRALIAN BROADCAST.

KOA (Denver, Colorado) will broadcast a special programme from 1 a.m. to 3 a.m. on May 25th, corresponding to 6 p.m. to 8 p.m. Sydney time the same day (May 29th).

The programme has been specially prepared by Wireless Newspapers, Limited, and Station 2FC, and comprises a full two hours transmission of items that are Australian in character, setting and sentiment.

The full musical score for the programme was forward to KCA, and the transmission, which has created great interest in the United States, is now being featured in the press. It is the first time that a programme comprising items from all Australian composers has been broadcast from an American station, and listeners-in will hear items by such well-known composers as "Amicus," Alfred Hill, O'Hagan, Jack Lumsdaine, Oswald Anderson, Lithgow, etc.

KOA will broadcast on 322.4 metres, using a power of 5000 watts. We invite Australian listeners to forward reports of items heard to the Editor, "Radio in Australia and New Zealand," 51 Castlereagh-street, Sydney. These reports will be checked up with the actual programme transmitted.

FINAL PROOF of the authoritative nature of 4QG's market reports was given when the Registrar General officially asked for copies of the data broadcast for compiling Year Book statistics.

C. A. PARSIEES, Harvey Street, Collingwood, Adelaide, receives 2FC regularly on his crystal set. "I receive 2FC," he writes, "at very fair 'phone strength when the local stations close down. There is no fading, although in the case of 3LO this phenomena is marked."

A MOVE has been made by Mr. G. Penfold, of Corenboob, Wagga, to raise funds for the installation of radio in Wagga District Hospital. Mr. Penfold is actuated by a desire to see Wagga keeping abreast of the times. He considers that more than £200 will be needed, as to equip each bed with headphones, 208 pairs will be required.

MR. DUDLEY'S ANZAC SOUVENIR: Anzac Day was responsible for a touching little incident for Mr. Maurice Dudley, the announcer for 3LO, Melbourne. On his desk reposed a rusty old horse-hoe weighing down an accompanying note. "I picked this mascot up in the mud at Ypres," wrote the donor, a returned soldier, "and over my travels of 20,000 miles it has been a kind of talisman. I would like you to accept it as an appreciation of the delight I get from your programs."

THE DIRECTOR OF THE RADIO Broadcast Bureau states that he expects listening in parties will be held also at the following schools—besides many others of which he has no knowledge:—Casino, Bringelly, Murrumbidgee, Cabramatta, Little Plain, Yerrinbool, Binnaway, Nymboida, Plepton, Coolamon, and Bathurst Rural School. Citizens of Granville will be able to listen in, as the Mayor has arranged for the installation of a super-loud speaker at the Granville Town Hall, and the citizens of the town and district are invited to attend.



Mr. Oswald
Anderson

HOW many readers can give particulars of the first concert broadcast in N.S.W.? The "A" class stations began broadcasting at the latter end of 1923, but months before this many well-known artists sang and played to the enthusiastic band of listeners that twirled their dials and generally were rewarded only with a succession of gramophone records or as they called it "tinned music."

This term is not used disparagingly, for with the amateur experimenter with his gramophone to stimulate listening-in there would not have been any early broadcasting. It was a radio amateur station which broadcast the first concert in New South Wales, defining a concert as being the studio performance of professional or amateur artists of some merit.

Beginning as far back as March 20, 1923, Charles D. MacLurean transmitted such a programme regularly every Sunday for years. The actual date of the first transmission of a broadcast concert, as defined, has been a matter of keen controversy for years. We invite our readers to forward their opinion, supported by data, for verification in order to establish definitely this most important date in the history of broadcasting in N.S.W.

Early in 1923, before the broadcasting stations were in operation and before the wireless regulations became effective, continuous concerts were broadcast from the concert rooms of W. H. Palling and Company.

Who Broadcast the First Concert in N.S.W.?

The Photograph reproduced on our cover this week depicts two well-known vaudeville artists in the act of transmitting one of the first of our early concerts. Do you recognise them? The writer below invites you to help establish once and for all, who broadcast the first concert in N.S.W.

Turning over a pile of photographs in the office of the studio manager, of 2FC, Mr. Oswald Anderson, recently, we discovered the photograph, reproduced on the cover of Lee White singing into a microphone, with Clay Smith at the piano. Questioning Mr. Anderson regarding the unusual microphone brought forth a flood of reminiscences.

"During my connection with W. J. Palfrey and Company, in charge of their player piano department," he said, "I was able to gain the approval of Mr. Walter Dibley, managing director of Palling's, to carry out a series of broadcasting tests. We knew how radio was developing in other parts of the world, and during the weary months of waiting until operations actually commenced in the Commonwealth, many hundreds of people installed wireless sets and had nothing to fill their loud speakers. Mr. Dibley was good enough to set aside a certain amount of money for these experiments, and I remember how tremendously enthusiastic we all were with the wonderful results we achieved in such a short space of time." Through the assistance of Mr. Carroll, Mr. Perry, and Mr. Raymond Alsop, who were then associated with the New System Telephone, we instituted these concerts operating from Palling's concert hall. In those days I knew absolutely nothing about wireless, but in the capable hands of these three gentlemen, mechanical details were quickly overcome.

"We decided to broadcast a concert one Friday night and the previous night a busy band of carpenters, working all night, erected a transmitting room on the roof of Palling's Buildings in Ash Street. An efficient aerial was put up the same day and the whole of the transmitting apparatus was under the control of Mr. Alsop.

"A land line was installed from the top of the building to the concert

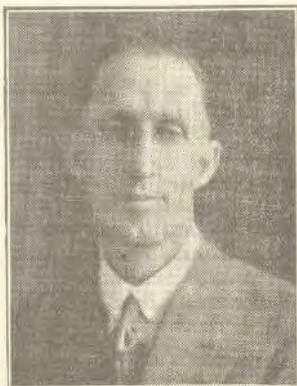
room and the microphone was a most ingenious one. As far as I can remember it seemed to be an ordinary transmitter of a telephone enclosed in an arrangement like a wooden basin. Of course, all sorts of technical difficulties had to be overcome. We were not allowed to broadcast in those days because broadcasting was not official, but we were allowed to experiment with the collection of sound waves for telephony purposes, and under this high-sounding and dignified title we carried out our tests. Actually speaking, in those days the concerts which were for the purpose of 'collection of sound waves, etc.', hardly differed from the broadcasting concerts of to-day.

"As far as my memory serves me we worked on a special wave length of 250 metres and a power of 100 watts. The mail received at Palling's proved the efficiency of these concerts. Listeners from Lismore, Kempsey, and Werriga, either telephoned or wrote to congratulate us on our efforts. Palling's Branch Office in Brisbane had no difficulty in picking us up.

"From April to August, 1923, the monthly player piano recitals which I directed from Palling's were broadcast, in addition to many Sunday evening and week-night concerts.

"It was in May, 1923, that Lee White and Clay Smith broadcast from Palling's. In company with many other well-known theatricals, they came to the concert hall one Sunday evening and gave a very fine entertainment. Lee White's voice is particularly suitable for microphone work. In addition to these well-known artists, Andre Navarra (now singing in Italy) and many other well-known people, whose names I cannot recall at the moment, were broadcast.

"On August 1, 1923, when the Commonwealth regulations came into force the Governor of N.S.W., the late Sir Walter Davidson, who was keenly interested in radio, was good enough



Mr. C. D. Maclurean from whose station Josie Melville sang in 1923.

to fall in with the suggestion made to him and installed a radio set at Government House. He was giving a dinner party that night, and at 8 o'clock sharp we sent from ratings a message of greeting to the Governor and a short address, which was delivered by Mr. George Taylor. Then followed a programme which included a number of leading Sydney artists.

"The broadcasting activities as far as Paling's were concerned ceased the following morning, due to the fact that they were not in possession of a wireless license, and their privileges in this direction had to finish.

"In making reference to broadcasting concerts one must not overlook the pleasure that was derived in those days from the Sunday evening concerts given by Mr. Maclurean. I can remember, with a thrill of pleasure, the day we first heard little Josie Melville on the air. She sang "Every Cloud has a Silver Lining," from Mr. Maclurean's home one Sunday evening. Other well-known artists who appeared, under the directorship of Paling's, were Laurence Godfrey Smith, the well-known pianist; Roy Agnew, Australian composer, now making a big hit in England; Ernest Archer, tenor; Elsie Peerless, soprano; Francis Halls, basso; A. E. Y. Benham, basso, and Emily Marks, soprano, and in fact a number of our leading professionals who are continuously on the air at the principal Sydney stations to-day.

"I little thought in those days that it was only a question of two or three years when I would be actively concerned in the arranging of programmes at 2FC, but I am glad to feel that we had the instinct and vision to realise that radio was meant to play a very important part in our musical life."

The Advantages of Shielding Receivers

By H. K. LOVE

President of the Victorian Section of the Wireless Institute of Australia.

THE question whether the parts of a receiver should be shielded is frequently asked by many of my correspondents. The answer entirely depends on how the shielding is affected. The theory of shielding is briefly as follows: When a part of a radio receiver is attached to a panel and, therefore, suspended above the ground, an electro-static field is set up between this receiver part and the ground. Each line of force of the field so set up has a graduated voltage rise, from zero at the ground height and increasing as it nears the charged object. It frequently happens that another part of the radio receiver may be placed in this field; if this is so, the second object will have a voltage induced in it at a pressure varying according to the point at which it enters the field. Listeners are well aware that it is far better for the successful operation of a receiver that in many cases this second object should not be affected by the field set up by the first object. This is very apparent in the case of a field which may be set up by the components included in the plate circuit of a vacuum tube. It is essential that this field should in no way affect the grid circuit. If a field of a plate circuit does affect portions of the grid circuit illegal feed back will result and this is the cause of a great amount of instability which is noticed in many valve receivers.

If the original charged object has surrounding it in a metal shield which is grounded the shield voltage will be at zero and consequently the electro-static field will be set up between the object and the grounded shield. It will be readily understood that this shield will limit the field and prevent it affecting other components of the receiver. The "A" battery leads should also be shielded and grounded. A shield should not be placed closer to a coil or condenser than two inches—this precaution is taken to guard against any interference of the inductive action of the circuit. Shielding possesses the following advantages: it stabilises the radio frequency circuits, does away with unwanted feed back between circuits, it allows a radio frequency amplifier to work closer to the point of self oscillation and, therefore, produce greater

amplification. It also limits the effects of body capacity, which is frequently very troublesome in a receiver. Perhaps one of the biggest advantages to those who are situated close to a powerful broadcasting station is the elimination of the broadcast wave which acts direct on the pick-up coils and so makes it almost impossible to tune this station out. An earthed shield entirely does away with this effect. The pick up of the receiver is, therefore, limited to the energy fed to it per medium of the aerial system alone. Modern receivers are employing three and four stages of tuned radio frequency thoroughly shielded and it has been found that they can be easily controlled and will give enormous amplification without breaking into self oscillation. Those listeners who have attempted to employ more than two stages of tuned radio frequency will at once realise that shielding will be the greatest help towards getting satisfactory results.



Mr. E. J. Van de Valde flew by aeroplane this week to Adelaide, gathering on the way matter for a further series of travel talks from 2FC.

THE champion of oscillators was asleep. This was, of course, unusual, but as he had stayed up till 3 o'clock a.m. for seven nights running, he was naturally tired, and being tired, he slept.

But do not make the mistake of thinking that our champion was safe in bed. No! he was sprawling uncouthly over his five-valve power station, his face almost filling the horn of his loud speaker. His feet, in the fender, were in the preliminary stages of cremation from the roaring fire left by his devoted wife, who had retired to her bed at 12.30 a.m.

But in spite of all these physical disabilities, he slept, for he was tired and sadly needed rest.

And being asleep, he dreamed a dream.

Carried, as it were, on the crest of an oscillatory wave of his own manufacture, he was borne over land and sea, over continents known and unknown, at the velocity of light for days and weeks of incredible space and incredible speed, until finally he was dropped off the carrier wave down a grid leak to find himself in an office-like room, and to hear a voice shouting "Oscillators this way, Oscillators this way," and the voice spoke in all known languages at once.

And then our champion knew himself for an oscillator.

He had never known it before, for he was a man of little sense and of no imagination, but when that mighty Voice speaking all languages at once said "Oscillators this way," he knew that he was an oscillator, and was afraid, for he had come to the place prepared for him.

The office in which he found himself was not so much an office as a large magnetic field, of a brilliant violet color, with all sorts of lines of force growing in beautiful, yet geometrical, symmetry, and radiating so far as the eye could see. And the Voice that spoke took on the shape of a fourth dimension or a swirling Vortex, and from the centre of the Vortex it spoke again.

"Choose," it said, "choose one from among you, that he may speak for

The Oscillator's Dream

By H. Toplis.



"One like unto the chief of all radio engineers with a pitchfork stirring a boiling atom until it was like a maelstrom of spinning fire, and in the fire were oscillators being whirled forever."

you, that I may hear of any good you have done, and of any excuse you may make for your delinquency of the other."

And the oscillators, of whom there were many thousands, men, women and children, did look one on the other and did murmur among themselves, saying, "He or she did howl mightier than I," until the Voice spoke again, saying, "Choose quickly, lest you all suffer the flaming electrons," and drawing a shutter set in the midst of the magnetic field, the Voice said, "Look!" and they looked.

And, looking, they saw one like unto the chief of all radio engineers with a pitchfork stirring a boiling atom until it was like a maelstrom of spinning fire, and in the fire were

oscillators being whirled for ever, and as the oscillators whirled they did squeak like a female heterodyne which has lost its young, and they did squeak for ever.

And when those in the office did see these things, they did tremble and with one accord did point at our champion and did shout, "Lo! Lo! He! He!" He is our champion, and must speak for us, for if we did oscillate since, he did oscillate seventy times. Let him speak for us and let him take the punishment for all of us, for he is the champion and we did oscillate but on occasion."

Then he in the Vortex did spin more swiftly, and did say, "Ha! the tearer of the ether, what hast thou to say that thou mayst not be pitchforked into the atom and the whirling electrons?"

And the champion trembled and in a whisper spoke, saying, "Please, sir, I did not do it on purpose."

And the Voice in the Vortex said, "Oh, defiled and wretched teller of lies! Gaze yonder and see thy sins rise before thee."

And in a mirror like unto a sea there rose before all a picture, and the picture showed a poor old woman lying in her bed listening by virtue of a broadcast to a great one singing the songs the old woman used to sing when she was a girl, and she did weep the tears of sweet memory. For the woman was very old, and had not left her bed these many years. And in the midst of her listening there came a howl, and the howl did frighten the old woman, so that she could listen no more, and she wept the tears of disappointment.

Then the oscillator knew that he was the father of that howl.

So the picture did change and did show a father listening to a message that his son was sick and did want him, his father. And the father did listen that he might know where his son did be, but the howl stopped him, and he did sob, saying, "My son, my son, I know not where he is that I may go to him."

Then the oscillator knew that he was the father of that howl.

(Continued on page 12.)

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.



3LO AND 4QG AFTER DARK.

Dear Sir,—The programmes of our local stations are OK; Uncle George and the Hello Man are excellent, but it is a pity that the "powers" of these two stations have shaken hands to the detriment of the listener. Day-time is the only time we want them. If they chopped five hours from the night programme we would like them better. Every listener, especially during the winter-time, enjoys 3LO and 4QG after dark.

If the local stations want to reduce hours, well, why not get off the air after dark, so we can pick our favorites, and if they want to broadcast at night, well, go up sky-high on the wavelength.

Yours, etc.,

A COUNTRY LISTENER.

Woy Woy.

ONE, AT LEAST.

Dear Sir,—I have an eight valve wireless set, and enjoy immensely the musical items of 2FC, especially band music and instrumental, and am writing to inquire if it would not be possible to improve the instrumental items by adjustment of microphones. The microphones seem to magnify the major sounds, so that they come out of the loud speaker with such a crash and so drown out the minor notes. For instance, the bass notes of a piano will almost drown the upper tones. Therefore, would it not be possible to arrange the microphones at distances from the major and minor tones, so as to get a better balance?

Singing is also a disappointment, as rarely does a song have any meaning so far as enunciation is concerned. I think if the singers themselves had gramophone records made from a loud speaker and heard themselves reproduced they would be considerably astonished. Yet, before they do perform for you, that is what they should try and the listeners-in would be duly satisfied with a clear enunciation, as many of the singers have good voices.

Yours, etc.,

T.H.S.C.

Mosman.

(We advise our correspondent to examine his receiver for distortion trouble.)

WHAT IS YOUR OPINION?

Dear Sir,—George B. Clasper wants to know if it is possible for readers' feelings to be tested as regards Speedway transmissions. Would it be possible to carry this further and set aside, each week, a small space of "Wireless Weekly," and invite readers to send along their opinions as to whether certain items in the programmes should be continued or not?

I quite agree with V.P. of Gordon ("Wireless Weekly," 22/4/27) in his suggestion to transmit from 11 to 12, even if it is only player-piano selections.

There are far too many vocal items on 2BL programmes. I pick up tonight's programme of this station in "Wireless Weekly," and find that there are four singing artists included in it, three of whom have a second period of performance. The only instrumental items in it are Broadcasters' Instrumental Trio, and a bit of jazz at the end. This is typical of all Broadcasters' programmes. I don't know if this type of performance is cheaper, but it is decidedly monotonous.

A piano or violin solo would be appreciated. We can all sing (or most of us can), but we can't all play all the different instruments.

Yours, etc.,

"LISTENER-IN."

Balmain.

NEARLY BURST THE BOILER.

Dear Sir,—I wish to blow off a little steam. Why have we been deprived of five hours' entertainment, especially during the winter months, when our country listeners have the best part of the year for reception? Having just arrived from the central part of Australia (Brunette Downs, Northern Territory), where static is very bad for eight months of the year and where wireless is our only enjoyment, I speak for the country listener as well as myself. We in Sydney can go to a picture show or theatre, if the programmes are not to our liking, but out in the back blocks it is put up with what they can get or close down.

As V.P. ("Wireless Weekly," 22/4/27) says, why cannot 2BL and 2FC give us two or three nights weekly till 12 o'clock of musical items, "One More Sufferer" ("Wireless

Weekly," 22/4/27) says that as far as our "A" class local stations are concerned, they are not worth the upkeep of a one-valve set, and it would be far better if we turned our aerials into clothes lines unless they improve their programmes. There is one local station that is doing all right for us, and although a "B" class station, it stands out well ahead of the "A" class stations here in its selection of programmes, and that is 2UE.

As to Geo. B. Clasper's criticism ("Wireless Weekly," 22/4/27), I wish to advise him to pick up any "Wireless Weekly" and compare the programmes of 2BL and 2FC with 3LO and 5CL, and, if he still thinks the locals are in the same class, I trust he never has the pleasure of hearing anything better than the ethereal mixtures put on the air by 2BL and 2FC. He also says that 3LO committed the heinous offence of interrupting a very fine musical item played by the Brunswick City Band to put on a Speedway event. If the B.C. Band only gives us fair or very fair music, I would like to know what sort of rubbish we have to put with from 2FC and 2BL. And if it was a heinous offence to interrupt one musical item, I wish G.B.C. to notify me what sort of an offence it was for 2BL to interrupt a full night's programme with such a silly and uninteresting event as a car hunt. Perhaps G.B.C. never owned a set at the time, or else he closes his eyes to any offences committed by our "A" class (locals).

Yours, etc.,

A. PLAYFARE.

Glebe.

EMPHATIC!!!

Dear Sir,—I strongly object to the way that we are being treated with regard to broadcast advertisements for batteries and piano players, tea, etc. I think it's a downright — (this word censored) to broadcast this sort of stuff. What's more, 3LO do not find it necessary to read the programme over about three times from the preceding day. I will not tolerate the imposition without protest; further, although I'll not renew my licence—I would rather scrap the set.

Yours, etc.,

INDIGNANT,

Arneliffe.



Harold Tilley, who described the arrival at St. Kilda for 3LO.



Norman McCance, who described the arrival of Pt. Phillip Heads and later at the Melbourne Town Hall.

How 3LO Described the Duke's Arrival

By Our Melbourne Correspondent

FROM a floating position on board the "Akona," Mr. Norman McCance broadcast successive stages of the arrival of the "Renown" in Port Phillip Bay on the eventual Thursday that the Duke and Duchess laid siege to Melbourne and captured all hearts without firing a shot. The portable transmitter was ensconced in the wireless cabin of the pilot boat "Akona," while Mr. McCance occupied a prominent position near the bridge.

At the St. Kilda Pier, Mr. Harold Tilley of the "Sun Pictorial" described the various ceremonies, and later the procession through the city was described from the Town Hall by Mr. McCance, whose humor and free and easy delivery again delighted listeners. From 3LO's window, the Rev. Henderson described the scenes in the city and the progress of the Royal party up Collins Street.

The whole of the arrangements were under the watchful eye of Mr. Bearup, the studio manager. The messages were picked up on shore from the roof of Carlyon's, St. Kilda, by Mr. Stevens, of the Control Staff of 3LO, on a super-heterodyne, amplified, and sent over the landline to 3LO, whence it was passed on, further amplified, to the broadcasting station at Braybrook.

Thanks to the wholehearted co-operation of the G.P.O. staff, and despite much trouble with induction from trams and other disturbances in which St. Kilda is subject, the transmission was clearly received in thousands of homes, albeit with a

background of "hum" due to the above trouble.

The success of the transmission shows the wonderful flexibility of this means of wireless communication—between ship and shore or aeroplane and land. It was entirely satisfactory and need be regarded no longer as even in the experimental stage. It was a credit to all concerned.

On Thursday the public reception at the Exhibition Building was done with a wealth of human interest detail by Mr. Frank Russell of the "Herald." Notes of pathos, humor, and heart appeal made the announcing a delight. Little incidents at the dais brought home to the public more than anything else, the hold of the Duke and Duchess on the public affection. The arrival of the Royal party at Flemington Races for the King's Cup and the subsequent racing was described by Mr. Eric Welch of the "Aragua."

JOE ARONSON'S MILITARY BAND EFFECTS.

IT used to be an unwritten law in the U.S. Navy that no one was to join the ratings of the battleship "Washington" who hadn't lived up to the voracious standard of the great American whose name it bore. For some reason it was subsequently found advisable to change that name to "Seattle," by which we Australians know the good ship well. But old habits cling, and when Major Conder of 3LO asked Mr. Joe Aronson, of that station's well-known Symphonic Symphony Orchestra, what he knew about military bands, that energetic

conductor replied, "Sir! I cannot tell a lie! for four years I conducted the military band aboard the 'Washington,' U.S. Navy, and was aboard the 'Seattle' in that capacity when she berthed here in 1908."

With such a record behind him, Joe Aronson is not content entirely with dance music, however enjazzingly rendered, and on Sunday evening, May 8, 3LO is to broadcast him in full military band effects with an augmented orchestra of 19 performers. To get the desired effects an oboe, a flute, 5 clarinets and 2 saxophones will supply the reed instruments usual in a military band, while for one special number, an organ will also be used as a background. Those who remember the delightful rendering of true symphonic music by Joe Aronson's Orchestra on a recent Sunday evening should certainly tune-in to this further excursion into concerted music. The items to be rendered are "Gems of Tschalkowsky"; "A Fantasy of Carmen" (Bizet); "A Japanese Sunset," in which effects of tone color will be aimed at by means of the reeds; a Trombone solo, "Indian Dawn" and the piece de resistance which will be "In a little Spanish Town," treated with an impressiveness, tone color and orchestrated dignity unusual to that light though tuneful morsel, so that it will be a sort of Cinderella transformed into a smiling Duchess.

Mr. Aronson promises also a further treat by way of two harp solos by Mr. Thomas Cerbassi, an old associate of Mr. Aronson's, having been with him at Wattle Path.

Coming Features in the Programmes

FRASQUITA: By courtesy of J. C. Williamson, Limited, the 1st Act will be put on the air on Friday, May 6, and the 2nd Act on Friday, May 13.

CLASSIC RECITAL: Madame Evelyn Grieg and M. Henri Staell will give music lovers a treat with an attractively arranged classical programme, on Sunday, May 15.

FLUTE MUSIC: From the Sydney Flute Club's rooms in Hunter Street, an attractive programme will be broadcast on Monday, May 16.



H.R.H. The Duke of York whose address at the opening of Parliament at Canberra on May 8th will be broadcast by six stations.

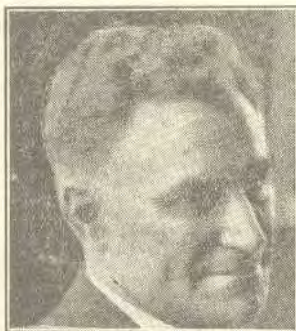
ON MAY 10, the Misses Prentice, Plane, Scott and Hardy will sing the quartette, "Carry Me Back to Old Virginia," on the occasion of a recital arranged by Mr. Arthur Sherman at 4QG.

"HEAD OF THE RIVER,"—Descriptions of the famous "Head of the River" rowing races between Great Public School crews on May 7 are to be broadcast by 2BL. A launch will follow the semi-finals on Wednesday and the final on Saturday, and a full description will be relayed to the shore, and then re-broadcast.

CYRIL MONK, although he has announced his intention of retiring from active concert work, is a great believer in broadcasting, and arrangements have been completed for a series of appearances at 2FC. This well known violinist will include not only solos but talks which will be very helpful to the student mind.

TWO NEW FEATURES have been introduced into the women's sessions of 2BL—talks on massage and "medical jerks" and a monthly report culled from Paris and New York on the latest fashions in women's clothes. 2BL has a special woman announcer—Mrs. Jordan—whose mission in life is to provide entertainment and useful information for members of her own sex.

FOR THE CHILDREN: Some time ago the "Hello Man" instituted the reading of serial stories, and they are proving immensely popular with the children. The first was "The Three Real Bricks," the second "What Happened to Tad," and now a new book has been started: "Davy's Big Brother." Only a certain portion can be given each night, and these serials develop into Marathon features, holding the interest of young listeners through three or four exciting weeks.



The Commonwealth Treasurer, Dr. Earle Page, who will probably be heard also.

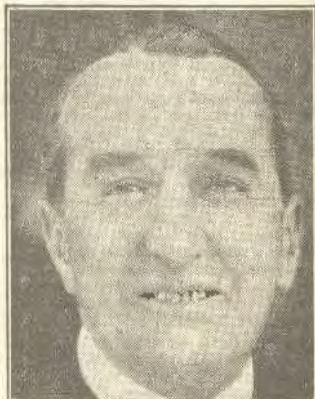
JACK LUMSDAINE was to have said "Farewell" to 2FC listeners on Monday evening, May 2, but this date has been altered to Thursday, May 5. Readers are requested to send along their favorite numbers to the Studio, as this Farewell will take the form of a Request Night, and Mr. Lumsdaine's programme will be compiled from a majority vote.

PROFESSOR ELIN, head of the Voice Department of the Conservatorium of Music, Manila, who is visiting Australia on a holiday, is to give three Sunday night recitals at 4QG on May 1, May 22, and May 29, from 2.30 p.m. to 10 p.m. Professor Elin will be supported by Mr. Luis Amadeo Pares (violin), and Miss Gertrude Anderson (piano).

"SISTER SUSIE": A new attraction has been added to the Children's Session of 2BL. In conjunction with "Daddy Long Legs," Miss Hilda Lane, whose singing has delighted 2BL listeners for some time, is now known to the children as "Sister Susie." A clever actress and raconteur, she is able to tell many stories to amuse the youngsters.

E. J. VAN DE VELDE, 2FC's aerial ambassador, will, through the Australian Air Ways, fly to Adelaide, via Broken Hill and the Darling. He will give a talk from 5CL on his famous "Know Your Own Country" series, and when he returns to Sydney, he will give the fourth instalment of the series on Wednesday, May 18, from the Studio, with photographs illustrating his trip of a highly instructive nature.

STRANGE TO SAY, some of the most enthusiastic listeners to the 4QG Speedway descriptions are American wireless amateurs. A number of letters have been received at that station from various parts of the United States, and these have shown that the motor races are followed with keen interest by the writers. Mr. P. Beran, of Anchorage, Alaska, has written, saying that on one Saturday night recently, he was greatly interested in the Golden Helmet race. Frank Arthur his kind regards and best rider, was his favorite, but fell. Mr. Beran asked 4QG to convey to Frank Arthur his kind regards and best wishes for better luck next time.



The Prime Minister, Mr. Bruce, whose speech at the Opening of Parliament will also be broadcast.

All for the Love of Jack

A MOST useful appliance in a radio receiver is a jack. It is wonderful just what service a jack can render, and surprising that of the many types that are available, only one or two are understood, and are in general use. Not only is it in the radio field that jacks render yeoman service, but every telephone switchboard is equipped with jacks that, allowing a quick exchange of lines, saves considerable time and trouble.

In radio circles the same thing applies. Besides presenting a nice neat appearance on the panel, it is a matter of a moment to change the number of valves in use on a receiver by simply unplugging from one jack and plugging into another. This applies particularly after the detector—that is, the audio end—but irrespective of their utility in this direction, jacks are not advisable on the radio frequency side of any receiver. A very good feature of jacking lies in the simple fact that they do not lend themselves to tampering.

The constructor may certainly have cause for remaining ignorant of the many uses of jacks when such high sounding names as "Single Closed

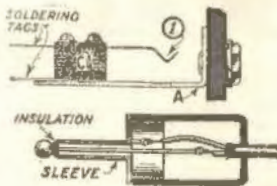


Fig. 1.

snugly into the nick in the plug while the frame of the jack makes contact with the body of the plug. Thus we have a firm contact and a locking device, which is advantageous. The phones or loud speaker being connected to the plug the energy is allowed to flow through the windings of the speaker or phones, actuating the diaphragm and thereby producing sound. Certainly this is a much better arrangement than the terminal method of connections.

Looking at Figure 3 we have the "Single Circuit Closed Jack," and its use may be seen in the theoretical diagram. Still, to explain it, we find

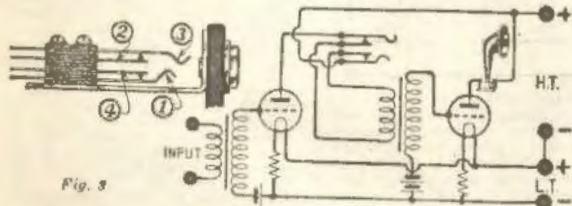


Fig. 3.

Circuit," "Single Open Circuit Filament Control," and "Double Filament Control" is presented to him, so we feel that we are in order in throwing a little light on this abstruse subject.

Let us take, for example, the well-known "Single Circuit Open Jack," as illustrated by Fig. 1. Here we have in A, the frame, and in 1, the springy contact blade and the insulating block C. The springy contact blade is bent into a V shape near to the front, and the blade is carried beyond the insulating block for connecting purposes. Let us see what happens when the plug is inserted into this jack. First of all let us examine the plug. Little need be said beyond glancing at the illustration, which is self explanatory.

When this plug is pushed into the jack the springy contact blade lifts up and allows the V shape to fit

1 and 2 make contact the B. battery current flows through the speaker to the plate of the valve, the sound, as usual, coming from the speaker. Suppose it is desired to tune in a distant station, for example, on the phones, all that is required is to insert the phone plug, which breaks the contact between blades 1 and 2 and thus switching out the loud speaker and bringing the phones into circuit. For a portable receiver, this type of jack is invaluable.

Now, consider the popular "Double Circuit Jack." Most people are familiar with its use, but many are not. This time no electrical use is made of the frame A. Notice how blades

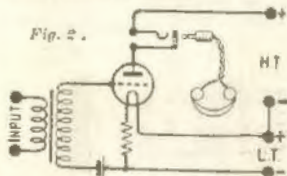


Fig. 2.

1 and 3 are bent to grip behind the nick of the plug. Blade 2 makes contact with 3, while 4 contacts with 1—in the dormant position. Thus we have a closed circuit. Suppose now it is desired to cut out one stage of audio we go about it in the manner illustrated. To blade 1 is connected the B. battery, and the plate of the valve is joined to blade 3. The B. terminal of the audio transformer is soldered to 4, while 2 accepts the connection from the P. terminal of the audio transformer. Before the plug is inserted it will be seen that the circuit is complete from the B. battery through the primary of the A.F. transformer to the plate of the valve, the A.F. transformer thus being in circuit. When the plug is entered blades 1 and 3 are forced apart from blades 4 and 2, permitting the energy to flow through the speaker or phones, cutting out the transformer altogether. Read this over again so

that the loud speaker is permanently connected in the circuit. One lead of the speaker is joined to the frame of the jack in common with the plate of the valve. The other lead joins blade 2, which makes a resting contact with blade 1, this being connected to the B. battery. While blades

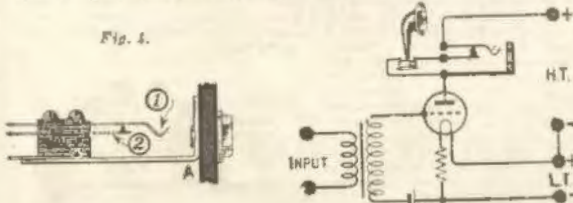


Fig. 4.

that it is clearly understood. The last valve, of course, remains alight, so it is necessary with this type of jack to turn back the rheostat controlling the last valve. This is sometimes difficult, as often the two last audio valves are controlled by the one rheostat.

This difficulty is overcome by employing the jack depicted in Fig. 6. Here we have two extra blades added to the "Single Circuit Closed Jack" already discussed, insulating block P being attached to blade 5, which has 6, making contact with this blade in the usual manner. The frame A is made use of in this instance. The plate of the valve is joined to the frame and also to the P. of the transformer. The Bx of the transformer connects with 2, 1 being taken direct to the B. battery. Blades 5 and 6 break into the filament lead of the last valve as shown. The plug when inserted cuts out the primary of the A.F. transformer and raises 5 from

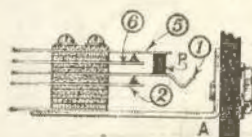


Fig. 6.

6, thus breaking the circuit of the filament of the last valve. Is that clear?

Having understood this filament switching arrangement in this jack it should not be difficult to grasp the feature of the jack in Fig. 5. The use of this jack dispenses with the necessity for a battery switch in the receiver. As is seen, this jack is an elaboration on Fig. 1, and functions quite simply. To the frame A is connected the plate of the last valve, and contact 1 taken to the B. battery. The negative of the A. battery joins to 6 and 5 is soldered to filament lead of the valve. Here, normally, we have the insulating block P, which of course, is strictly necessary. Notice that blades 5 and 6 this time do make contact normally, thus breaking the circuit of A. battery. When the plug is used the nick fitting under the V. of 1 raises this, automatically raising 5 to make contact with 6, thus closing the filament circuit and allowing the valves to light up. This is a most useful jack, as it overcomes the possibility of leaving the valve alight after reception is finished with.

The combination of the jacks depicted by Figures 5 and 6 brings us

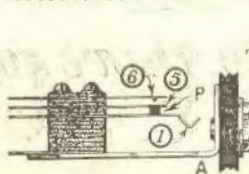
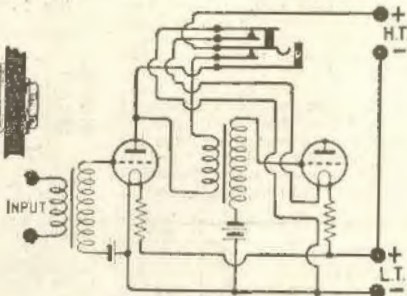


Fig. 5.

to Fig. 7. This as a Double Filament Control Jack and its workings may be gathered from the other illustrations. It is possible with this jack to switch on one valve and switch off another valve, at the same time being able to use the speaker or 'phones as desired. When closely examined it is not so complicated as may be seen at first sight.

These are the conventional uses of the more common jacks. Variations may be made for other purposes, but



always exercise care in attempting this. Sometimes the prongs of the blades—the soldering tags—are awkward of access, but by judiciously and carefully bending one tag away from the other much of this trouble is overcome.

Finally, remember always, when using a D.C. jack, to watch the method of connecting the transformer primary terminals. By reversing the connections a loud howl is heard, spoiling reception, so you know where to look for this howl if it develops. And always use the fluxite sparingly when soldering, otherwise the jack will be ruined and often dire consequences attend the use of Filament Control Jacks if flux spreads over the insulating blocks.

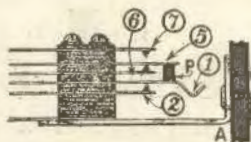
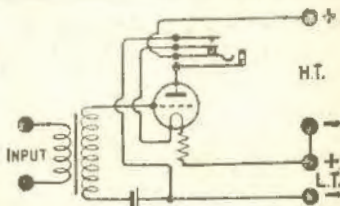


Fig. 7.



A NIGHT WITH CAPTAIN HURLEY: Captain Hurley's last series of talks from 2FC are drawing to a close, and listeners in their hundreds are writing for more. There is an atmosphere about these adventure talks which not only affects listeners, but those who are in the studio. All the artists who happen to be in the studio when he is giving a talk are loth to leave, even after their items are over and done with. They prefer to wait and join in, helping with the effects incidental to his talk. The last of the series will be given on Thursday, May 12, and on that occasion a number of studio artists will be the guests of Captain Hurley at his delightful residence at Point Piper. The broadcast will commence with the arrival of the guests, who will be conducted through the grounds by the Captain, visiting that mysterious part of his garden known as the "Smuggler's Cave," which is right underneath the house. The lapping of the waters of the Harbor through this mysterious cave can be plainly heard. It is believed that it was built by convicts, for this home is an historic one, replete with all kinds of associations. After a tour of the grounds, a sojourn will be made to his den—literally a den, for it is crowded with mementoes, curios and fearsome looking objects, including poisoned daggers and other cheerful things, which the Captain has picked up during his wanderings. The whole of the transmission has been worked out in the form of a story. A guest may nick up a dagger, or an ordinary looking whistle, and ask the Captain, "What is this?" and he and the listeners will be delighted to hear the history of the article. In the case of the whistle, it was the one used by the late Captain Scott, on his sleighing trips. And so on through the house the story will unfold, with a hundred and one details that could not be covered with a Studio talk.

An adjournment will be made to the drawing room, which will mean half an hour's music, and a dance band will play on the verandah. Supper will be served, and it only wants the advent of television to allow listeners to enjoy this item as much as the guests. Impromptu items will be given by prominent artists, and the 2FC staff will be interested, as well as listeners, to know how it will be received.

The Oscillator's Dream

(Continued from Page 7.)

And picture did give way to pictures, until he that was the champion of oscillators did shriek in his terror, saying, "Mercy! Mercy!"

But the Voice of the Vortex spake, saying, "What mercy had'st thou when thou send'st thy waves on their journey, destroying beauty and destroying concord; when thou didst turn music to a mockery and song to a thing of evil? When thou didst gloat over thy destructive hand as it turned a tune to discord, that did spoil the speech of continents and the song of strange lands?"

And as the Voice spake, the shott'r did open wide and he like unto Eckersey did approach with a face of hate and did strike his pitchfork in—

Crash! Crash! Crash!
"Lawrence! Lawrence!" cried the wife of the oscillator, "What have you done? What is it, dear?"

And the champion of the oscillators gazed on his net where the loud speaker had fallen through, and said:—

"My goodness, Sarah! I've bust my set!"

—Hollo Tassie—

MR. H. J. HATGOOD, Managing Director, Manufacturers' Products Pty., Ltd., has just returned from a business trip to Brisbane. He reports that the approach of the winter months has given the trade a great flip in the northern State, and that there is much increased interest in broadcasting, on the part of the public.

Mr. Hatgood's company are exclusive selling agents for the well-known Emms Radio parts, Clyde batteries, and many other Australian and overseas lines, which have proved popular on this market.

TO PERSONS who do not make a practice of listening in to the broadcasting stations and to those who never tune in to 2KY (Sydney Trades Hall) because that station devotes much of its time to political and economic propaganda, it may come as a surprise to learn that 2KY also gives excellent musical and general programmes. Not is the musical side entirely of the "popular" order. The latest from 2KY is an arrangement with Mr. George F. Manuel to broadcast between 8 and 9 p.m. every Thursday the story of one of Wagner's operas with vocal and instrumental illustrations. Renzi has already been discontent and Mr. Manuel will cover the whole field of Wagner.

PROOF:—

Results speak louder than words, BUT—

Words Prove This

Petersham,

12th April, 1927

Dear Sirs,

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

Yours faithfully,

(Signature on application)

The MINGAY

£21/-/- SUPER-THREE

Complete

Obtainable at our Dealer-Agents and

SYDNEY RADIO CO., LTD.,
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ARE YOU INTERESTED? IN BUILDING THE BINOCULAR 3-VALVE RECEIVER

As described in this issue of "Wireless Weekly:"

1 Genuine Radion Panel, 21 x 7 x 3-16, highly polished	£ s. d. 0 15 4
2 Only, Grodan Binocular Coils, at 1 1/8	1 3 0
3 Radion UX Standard Valve Sockets, at 3/9	0 11 3
1 Ferranti Audio Transformer	2 2 6
2 Wetless Mica Fixed Condensers, .002 at 1/8	0 3 0
1 Wetless Mica Grid Condenser	0 1 6
1 Bradleyeak	0 18 9
2 Emmco New "Stratlyne" Condensers, .0005, at 12/-	1 4 0

Here are the actual parts used in the Set:—

	£	s.	d.
2 Advance Seven-plate Midget Condensers	0	8	6
2 Radioakes Radio Frequency Chokes, at 8/-	0	16	0
1 Emmcostad, Type No. 1	0	7	6
1 De Jar, 10 ohm. Rheostat	0	3	0
1 B.M.S. Standard Push-pull Battery Switch	0	1	0
1 Ajax Standard Engraved Terminal Board	0	2	3
2 Philmore Bakelite 4in. Dials, 2/9	0	5	6
1 H. & H. Single Circuit Jack	0	1	9
TOTAL	£8	19	1

These parts carry a guarantee of Satisfaction or Your Money Returned Without Question.

Assemble Your Own Wet "B" Battery

from our "VARTA" 10 Volt Accumulator Units
Ready for filling and
Drycharged Neat Glass
Containers.

Connecting Terminals,
10d. per pair.

Price
per 10volt. unit
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Karas Equamatic Kits are here again.

With full instruction for building the wonderful KARAS 5-VALVE SENSATION, includes:—

- 3 Karas Orthometric Condensers.
- 3 Karas Micrometric Dials.
- 3 Karas Equamatic RF Transformers.
- 2 Karas Harmonik Audio Transformers.
- 2 Karas Equamatic Retard Coils.
- 3 Karas Sub-panel Brackets.

Price

£14-16-6

PUREMAX Loud Speakers

The wonderful New Loudspeaker is a GIANT, both in size and volume. It works with a double electromagnetic action.

Measures 26in. high, with 14in. flare, high resistance adjustable unit. Really a 28/10/- Loudspeaker for

£3/10/-

True Music Junior LOUD SPEAKERS

See one of these artistic models, and you will buy one immediately. Height, 18 inches. Finished Art. Brown or Black.

NEW PRICE

Adjustable 4000 ohm. unit, will work from any 2-valve or larger set. Old Price, 60/-.

19/9

Send for our Current List of Quality Parts and Accessories

	£	s.	d.
Rheostat: Ajax, 30 ohms, wire wound	0	1	10
Potentiometers: Tillman, 400 ohms, wire wound	0	2	6
Battery Cords: 5-Wire, Colored Battery Cords	0	2	8
201A Valves: The Wonderful Econotron, 201A	0	5	6
199 Valves: The Wonderful Dry Cell Econotron, 199	0	6	9
Karas Orthometric Condensers: .0005, 24/9; .00037	1	13	6
Radion Sheet: Highly polished, cut to size, per square inch	0	0	11
Radion Tubing: Diam. 2in., 8d.; 2 1/2in., 9d.; 3in., per inch	0	0	10
Bakelite Tubing: Genuine Dilacto, 3in. dia., per inch	0	0	9
Emmco Bakelite Dials: Vernier	0	7	6
Emmco Stratlyne Condensers: .0005 or .00035	0	12	0

"Yours For Lower Prices"

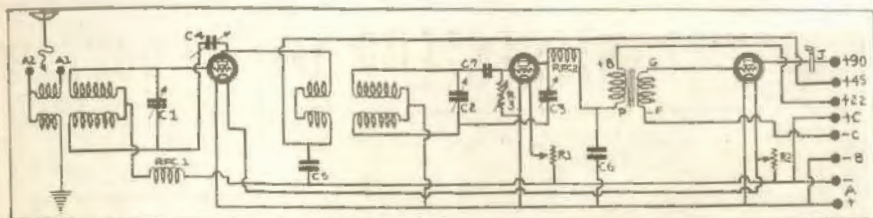
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Binocular Coil Three Valve Receiver

Non-radiating—Pure Tone—Annihilates Distance—Selective

DURING recent months the rapid progress that radio has made has caused great alterations in radio parts or material. Variable condensers have taken different shapes, rheostats and transformers have undergone many changes, and coils or inductances have improved enormously. Honeycomb coils to-day are conspicuous by their absence. In their stead are found the cylindrical coil, the Browning-Drake coils, Neutrodyne coils, Toroid or Circloid coils and many other types—their name is legion. Here is a new type of coil which is creating interest everywhere. Known as the binocular coil, it is well named, as in appearance it resembles binoculars very much indeed.

One of the greatest drawbacks in the use of radio frequency to-day lies in magnetic field. This magnetic field, unless harnessed properly, creates considerable difficulty in radio receiver handling. To overcome this, the Radio engineers of the world have been seeking ways and means, and many different schemes have been produced. Most readers are familiar with the angle at which the Neutrodyne coils are fixed, and also the minimum distance—which is 5 inches—permissible between each. This is a satisfactory method, as has been proved. If the angle was incorrect, or if the coils were spaced too close together, the magnetic field from one coil would spread within the field of the other coils, thus causing interference and poor signal strength.

Toroids or Circloids have been designed to eliminate this interfering problem. And they do it too. That is why these coils may be mounted right alongside each other without fear of dire consequences, and this system may be applied with the binocular coils used in this receiver. With these fieldless coils, it will be found that a decided increase in selectivity is obtained owing to elimination of direct pickup on the local station.

The many different combinations to which three valves may be adapted are surprising. There are two stages of radio and a detector—excellent for listening-in to long distance stations on the phones, but of no value whatever from the loud speaker point of view. Again, apart from many forms of reflexing, we have the straight out detector and two stages of audio frequency amplification, a form which has a very big following. While possible to bring in long distance signals with this type of receiver, it often happens that the receiver is "forced" with reaction that must distortion results. This, of course, is to be avoided. It is never wise policy to always drive the receiver at its maximum. No one ever does it with a car. The average car to-day is capable of developing be-

tween 40 and 60 miles an hour, but seldom do we see a car driven at maximum speed consistently; therefore, why do it with a wireless set?

To bring in distant stations with a certain amount of ease, one or two stages of radio frequency amplification is desirable. Radio frequency, we know, strengthens the signal before it is impressed on the detector valve, hence a weak signal, which otherwise would not be strong enough to actuate the detector straight out, may be increased in strength to easily accomplish this.

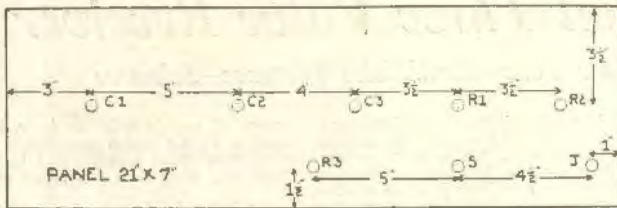
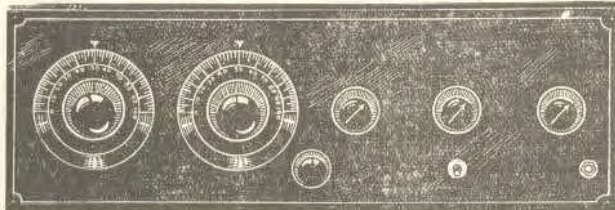
This receiver comprises one stage of radio frequency for bringing in distance, and a detector followed by one stage of audio frequency amplification. This means that all local stations will be heard at very nice, clear, loud-speaker strength, and most of the interstate stations will yield very good phone strength, and in many instances, at moderate speaker strength. This, of course, depends greatly on the skill of the operator, and the aerial-earth system used in conjunction.

The illustrations of the completed receiver show the neat appearance and the disposition of the various parts. On the front panel will be seen the two large dials for the variable condensers, and three small knobs all in line. The first knob nearer to the big dial controls a mid-gate condenser for reaction purposes, while its two neighbours are for rheostats. A Brantley-leak, a switch, and a jack, are situated on a lower level.

On the baseboard will be seen the two sets of binocular coils with the R.F. valve socket between. Immediately behind the first coil set is one of the B radio frequency chokes, to the left of which is the neutralizing condenser. The detector socket is next to the A.F. Transformer, in front of which again may be viewed

PARTS.

- 1-Discs or Radion Panel 2 1/2" x 3-16.
- 1-Aerial Binocular Coil (Gradon).
- 1-Radio Frequency Binocular Coil (Gradon).
- 2-.005 Emco Stralyne Condensers.
- 2-4 inch Duils.
- 2-Advance Midget Condensers.
- 1-Emmostat No. 1.
- 1-5 or 10 ohms Rheostat.
- 1-Bradley-leak.
- 1-SC Jack.
- 1-Battery Switch.
- 3-Radion Valve Sockets.
- 1-Ferranti AF3 Transformer.
- 2-Radiocoils Choken.
- 2-.002 Fixed Condensers. e a
- 1-Terminal Board.
- 1-Baseboard 20x10x1.
- Wiring wire, etc.



the other R.F. choke. The audio socket, fixed condensers and terminal boards are easily distinguishable. Plenty of room is allowed, thus overcoming cramping, so that easy wiring will result.

The circuit diagram, in spite of its apparent pretentiousness, is after all easily explained. The primary of the first binocular coil is connected to the aerial and earth, and the energy is conveyed from this to the secondary coil, and to the grid of the radio frequency valve. This valve amplifies at radio frequency and passes on the energy to the detector valve, where rectification takes place. Reinartz reaction from the plate of this valve is brought about. Notice the midjet reaction condenser C5, which is big enough for reaction purposes. The 2nd choke is therefore easily explained, but the first choke is incorporated to prevent damping. One stage of audio, as has been explained, is sufficient in this receiver for moderately good loud speaker strength, but we strongly advise the adoption of a large primary and large core type of transformer here for maximum amplification. Hence our choice of a Ferranti transformer here.

One good feature of this receiver is its non-radiating properties. All are familiar with the whistle produced by the careless handling of reaction in the average regenerative receiver. It is annoying in the extreme to be listening to a nice programme and to be interrupted by the howl or "joey" of an oscillating receiver. A receiver of the type being described, although employing reaction, will not radiate and interfere with others, so the owner of this receiver will be a good radio neighbour. The detector

valve certainly will oscillate, but the oscillations will not energise the aerial when the neutralising condenser and the high frequency valve are properly adjusted.

CONSTRUCTION.

The first stage in the construction of this receiver is marking out and drilling the panel. This is easily accomplished if the panel drilling diagram is consulted. This diagram, besides giving the dimensions, is drawn to scale, a fact which will be appreciated by the constructor. Drill the panel carefully and mount thereon the two Stratelene condensers, the Advance midret, the Emmcostad and rheostat back switch and Bradleyleak.

Place the panel thus mounted in the correct position on the baseboard, which should be well sandpapered and varnished beforehand, and layout the baseboard components.

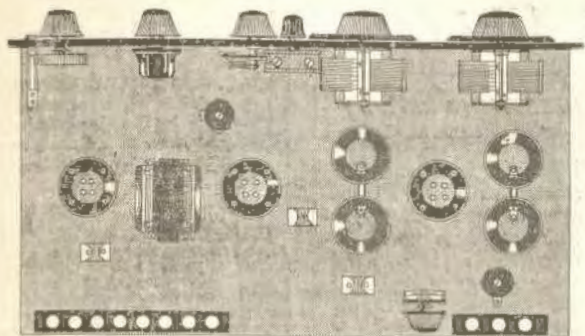
Adhere strictly to the layout to ensure best results. It is anomalous to think that, after the writer has spent time and thought in laying out com-

ponents, someone should decide to alter this to suit himself and then get disappointing results. The designer is blamed; the constructor never blames himself, therefore save the trouble by following out the suggested layout carefully. The distances between parts can be gauged from the plan, taking into consideration, all the time, the relation of the baseboard components with the panel apparatus. As mentioned before, the baseboard is 10 inches deep, so plenty of room is allowed for everything.

WIRING.

Before commencing the wiring gather together all the necessary tools. Next remove every terminal, nut, etc., where a connection is to be made, and place all these alongside handy in a small box. Now start the wiring. Commence with the filament circuits. One leg of each three sockets are joined together. Run a length of busbar from the radio socket to the audio socket, and connect these two together. Keep this busbar right alongside of the sockets, but clear of the other components. Make an intermediate join from the detector socket to this busbar, then link up to the .002 fixed condenser near the A.F. transformer, taking the other side of this condenser to the P terminal of the A.F. transformer. Now link together the remaining F terminals of the radio and the audio valve, as both these valves are controlled by the one rheostat. If desired instead of a rheostat being used for these two valves a Renrade filament ballast or Amperite may be employed for each. This is a matter of choice. Now link together one side of each rheostat and take a lead from this wire to the one side of the battery switch. The remaining side of the Emmcostad is taken to the remaining F terminal of the detector valve, while the busbar, which is common to the radio and audio valves only, is joined to the remaining terminal of the G or 10 ohms rheostat. The rest of the wiring should be followed out carefully bit by bit. The back of panel wiring diagram should be taken with the circuit diagram, and





one reconciled with the other as you proceed. Soldering is called for in the connections from the binocular coils so be careful and solder properly. Have the iron sufficiently hot to let the solder run in and use the flux sparingly. Remember always that solder runs to the hottest point. This little aid in soldering is worth remembering. The terminal board is the last to be soldered in.

TESTING.

One good thing about this receiver is the fact that almost any valves may be used. On test we tried Mullards, Osrams, Q.B.S. and Philips, all with equally good results. Choose the valves and insert them in the sockets. To test if any error has been made in the A and B battery connections,—it is bad when they get mixed—firstly connect the A battery to the B battery terminals: the negative A to the negative B terminals, and the positive of the A battery to the three D positive terminals on the terminal board. If on pressing the battery switch to the ON position and turning up the rheostats, the valves light up, an error has been made, so check carefully all A and B battery busbar leads. With valves that do not light up—cold emitters such as Philip's B106's or Mullard's for example, test if current is available at the F terminals of each valve socket by connecting a voltmeter across these terminals. If a reading is shown, stop and check over. With Radiotron valves, which do show a glow, this glow should not be present, and also the meter should not show a reading if everything is correct. Now go ahead and connect up the B batteries to their respective terminals. For a start apply 60 volts to the R.F. valve and between 22 and 45 volts for the detector valve. The audio valve will function suitably with 90 volts, although if an Osram D.E.56 valve is used in the audio stage up to 120 volts may be comfortably applied. The C battery will vary between 4½ and 7

volts; determine the best voltage by trial.

Hook on the aerial and earth and plug the headphones into the jack. Light up the valves and set the neutralising condenser at zero for a start and then tune in one of the local stations. It will be noticed that there is a slight variation of between 4 and 6 degrees between the dial readings. Bring these dials to read together by adjusting one of the dials on the spindle.

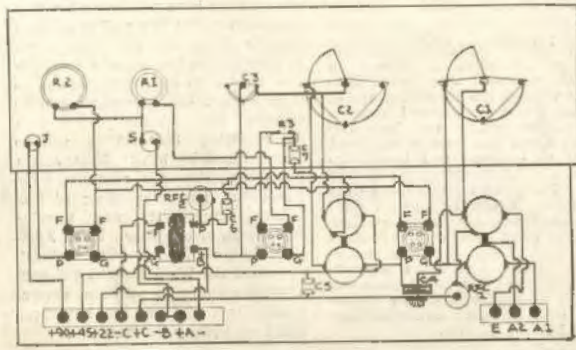
Lift out the R.F. valve and insert a piece of paper around one of the F valve legs and reinsert valve in socket. The valve will not now light up, but signals will still be heard faintly. Increase the midjet reaction condenser until a "plop" is heard, indicating that the detector valve has burst into oscillation. Remove paper from R.F. valve and adjust the neutralising condenser until the set goes into oscillation at the same setting of the reaction condenser as before. Now adjust the C battery until the best valve is found, and seek one of the other local stations. Try the speaker now. Splendid, isn't it?

Listen to it for a while, then seek the long-distance stations.

The phones will be required again. Very slowly, turn the condenser dials in unison. Remember that 3L0, Melbourne, is only a few degrees around the dial from 2BL—that is, a little more of the moving plates are engaged within the fixed plates. Brisbane, 4QG, again is just a few more degrees further on and 5CL Adelaide still a few degrees further on in the same direction. Try for Brisbane first. You will note just now critical is the reaction condenser. Don't touch the neutralising condenser any more—leave it alone. Bring this station up to the loudest pitch. If shrill shrieks are heard resembling Kilkenny cats squabbling, don't blame the set—look to the station which may be indulging in a Scottish programme. And what is a Scottish programme without bagpipes!

Still hang on to Brisbane and watch Rs fading. Then after a quarter of an hour or so set about adjusting the different valves of B battery. Raise or lower until best results are obtained. The Emmcostat may be a bit critical, but you'll soon be used to it. Remember again that the Bradley-leak is important. It will be found that the adjustment found best for local stations may need to be varied for distant stations. A higher value of leak is required as a rule for distant stations.

The adjustment of the set is half the battle. "If you don't succeed at first"—you know! On actual test at Marrickville good phone strength could be had from 3L0, 4QG, and 5CL. When 3L0 faded a slight background of 2BL was present, but this effect disappeared round about 9 o'clock both nights of test. Handle the react on condenser carefully and results will be good—look to the B battery settings, and once adjusted don't worry any further. Finally remember that some nights are better for reception than others, so don't discard the set without a proper trial.



Philcos have Visible Charge Indicator.

:: It's All in the Air ::

BACK AGAIN: The Estelle Mark Trio are back again in the programs of 3LO, and there is much rejoicing in the homes of listeners. This instrumental and vocal trio is so firmly established in popularity that during its recent long engagement it was a daily feature in the programs and listeners never tired of their beautiful arrangements. On this occasion their visit will be limited to three weeks, theatrical engagements preventing a longer season.

MISS MIGNONNE WEST: A novel note has been struck by 3LO in the engagement of Miss Mignonne West, one of the few lady oboe soloists in Australia. Possibly the oboe may not be as familiar to listeners as either the cello or the violin, but, as a broadcasting musical instrument it has great possibilities.

"A NIGHT WITH THE RAILWAYS": On Tuesday, May 10, we are to have what may best be described as "A Night with the Railways," as members of the Victorian Railways Institute are to broadcast from 3LO. The activities of the dramatic, vocal and instrumental side of the "Railways" are too well known to be discussed in these pages.

TWO NEW COMERS: Two new comers to 3LO are Ernest Wilson, the young tenor who has been so successful at the recent Geelong competitions, and Thomas Cerbassi, an eminent harpist, who have both been engaged to broadcast for a short season. Mr. Wilson's voice is of exceeding purity and sweetness, and the adjudicators at Geelong predict a great future for this young vocalist. Mr. Cerbassi's harp solos should be greatly enjoyed.

MORE THEATRICAL ARTISTS: No theatrical talent is allowed to visit the principal theatres of Melbourne without the appraising eye of 3LO being cast upon their broadcasting possibilities. In the last few months there has been a continual stream of overseas and local celebrities to the 3LO programs, and their variety has added considerably to the enjoyment. Latest bookings include Niblo and Davis, American comedians from the Tivoli Theatre, and Frances and Frank Luiz, Hawaiian entertainers. Frank Luiz has a magnificent tenor voice that would grace any operatic production, and his native songs with Hawaiian accompaniment should be very popular.

WRESTLING REVIVED

Winter is here, and with it come to Melbourne an army of famous wrestlers. The stadium will be thronged nightly with thousands of followers of the exciting sport, and the doings of Yokel Karasick, Thye, Meeske, and Clapham will be the main topic of the day for many people. The descriptions of wrestling bouts from the stadium were very popular last year, and they have now been revived, with Mr. Norman McCance in his old and popular role of announcer.

RECIPROCAL BROADCASTING:

Visiting broadcasting artists to Sydney who are held in esteem by the other stations, always receive a very hearty welcome from 2FC. It is the policy of this station to allow their listeners to hear as much available talent from other sources as is possible, as witness the recent relay of the 3LO programme. During the past three or four months a number of popular artists from other stations have passed through Sydney, and although they have not taken the precaution to advise 2FC well in advance of their flying visit, the management of that station has gone to considerable trouble to alter programmes so that at least one appearance can be arranged for. At the present time the following 3LO artists will be heard through 2FC: Miss Jessie Batchelor, dramatic contralto, the Neapolitan Duo consisting of Len Gibson, mandolinist, and Charles Backstrom, steel guitar. From Adelaide, James Glennon, 5CL, violinist, and from the West, Eugene Ossipoff, a 6WF artist. In addition, several artists from 4QG and 7zL have been heard by Sydney listeners.

Mlle. SISCA NAVARETTI: The gifted daughter of a particularly gifted mother is Mlle. Sisca Navaretti daughter of Mme. Elsie Davies, who is shortly to enter upon a brief broadcasting season from 3LO.

CYNTHIA STOCKLEY ON THE AIR: Rather an achievement was the success of station 2BL in persuading Miss Cynthia Stockley, the famous novelist, to speak from the station on Friday last. Miss Stockley confessed that never before had she spoken over the air, and she was dubious about the result. But her doubts were negated by the success of her five minute talk, in which she told of how she came to write her first novel, and also gave some of her impressions of Australia.

ORPHAN'S WAIL: Arrangements have been made with the North Sydney Orphans to broadcast items from their concert to be held in Warringah Hall, on Monday, May 2. It is believed that the origin of his famous error. The title, set down as the Orpheum Club, came back from the printer's vandal hands the "Orphans Club" and thus it has remained. Many charitable institutions have had cause to thank this body for their generous and continuous donations. During the visit of the "Renown," Captain Sullivan and a number of the principal officers were entertained by such a galaxy of talent, they were astounded at the variety of the programme. It was on this occasion that Captain Sullivan's second in command convulsed his audience, when he replied to the toast. He said that as he knew he was coming out to Australia, he thought he had better make due preparations, and amongst other things he bought a dictionary of Australian words. In this book he saw that the term "Cliner" meant "an unattached female." One afternoon at a fashionable garden party held in Sydney, he thought he would air his newly acquired "Australian" technique, and he asked his charming companion if she were a "cliner." You can realise the horror with which his remark was received, even though the lady in question was an ardent reader of Dennis. With his delightful English accent he worked various Australian—purely Australian—words into his speech, which made it one of the most humorous of the night. It is hoped that a monthly "Wail" will be conveyed to listeners to 2FC. These entertainments are held on the first Monday of each month.

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 GUGLIELMO MARCONI, written specially for "Radio." It will be the first article by the world famous scientist to be published in Australia, and will describe the early experiments which led to the perfection of the beam system of transmission.
- ¶ For the broadcast listener J. G. Reed, assistant chief engineer of Amalgamated Wireless, will give the constructional details of a new ultra-selective, soft-toned, distance-getting receiver, the result of a year's experimenting. Attached to the set is a battery eliminator enabling the whole of the power to be drawn from the electric light mains.
- ¶ C. D. Maclurcan writes for the amateurs whose interests are dealt with in a large Amateur section. An article describing the construction and installation of a small low power, short wave transmitter and receiver will also be published.
- ¶ A dozen other articles dealing with all phases of radio broadcast activity are under preparation.

ORDER YOUR COPY TO-DAY

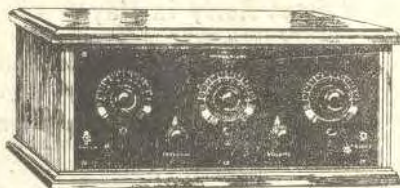
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is the result of exhaustive experiments to place before the Australian public a Receiver that does not require any technical knowledge whatever to build. With our new and simple building instructions, a boy of 7 can build it. Furthermore, the circuit 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.

**Easy to
Build**



**Easy to
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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
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Loud Speakers, suitable for above from 23/6 to £6/10 —.

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

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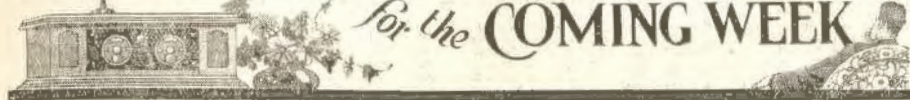
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BROADCASTING PROGRAMMES

for the COMING WEEK



Friday, May 6

2FC, SYDNEY

Farmer's Broadcasting Service.

Wave Length, 442 Metres.

MIDDAY SESSION.

- 12 noon—"Big Ben" and Programme Announcements.
- 12.15 p.m.—Stock Exchange, first call.
- 12.3 p.m.—Official Weather Forecast; Rain-fall, Temperatures, Astronomical Memoranda, Shipping Intelligence; Mail Services.
- 12.35 p.m.—Studio Music.
- 12.35 p.m.—Summary of "Sydney Morning Herald" News Service and (United Right) Wireless News.
- 12.35 p.m.—Studio Music.
- 12.45 p.m.—Miss Ivy Taylor, mezzo, "The Bird With a Broken Wing" (Goldsch.).
- 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.
- 1.25 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, "Ying Yang" (Bastinck).
- 1.55 p.m.—Studio Music.
- 2.0 p.m.—"Big Ben"; Close Down.

AFTERNOON SESSION.

- 2.0 p.m.—"Big Ben" and Announcements.
- 2.3 p.m.—FROM MARTIN PLACE, SYDNEY: Items by the N.S.W. Police Band in connection with the Rose Day Appeal.
- 3.0 p.m.—Marching Music for School Children.
- 3.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Eileen Moreau, mezzo soprano, "I Hear You Calling" (Marshall).
- 3.45 p.m.—A Talk on Home Cooking and Recipes by Miss Ruth Furst.
- 4.0 p.m.—"Big Ben"; FROM FARMER'S TEA ROOMS: Miss Muriel Humphries, contralto, "The Shepherdess" (Lute).
- 4.5 p.m.—Miss Annie Payne, mezzo, "Harp of the Woodland" (Marlin).
- 5.10 p.m.—Studio Music.
- 4.20 p.m.—FROM FARMER'S TEA ROOMS: Miss Eileen Moreau, mezzo-soprano, "My Dear Son" (Sanderson).
- 4.25 p.m.—A Reading.
- 4.35 p.m.—Miss Annie Payne, mezzo, "The Little Damozel" (Novello).
- 4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Muriel Humphries, contralto, "Fallen Leaf" (Ligon).
- 4.45 p.m.—Stock Exchange, third call.
- 4.47 p.m.—Studio Music.
- 4.5 p.m.—"Big Ben"; Close Down.

EARLY EVENING SESSION.

- 5.45 p.m.—"The Chimes of 2FC."
- 5.50 p.m.—"The Hello Man" Talks to the Children.
- 5.55 p.m.—A Serial Story for the Older Ones.
- 6.10 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 (wheat, 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 HER MAJESTY'S THEATRE, FITT STREET, SYDNEY (by arrangement with J. C. Williamson, Ltd.). The first act of "Frans Leha's Sparkling Comed Opera, 'FRAS-QUITA!' featuring Miss Marie Burke and Herbert Browne.
- AUT ONCE SCENE: Outside an Inn in Barcelona. Musical Numbers: Opening Chorus, Inn Irrede, Adwinn Martin, Frank Leighton and Full Chorus, "You Will Love Me, No Doubt."
- The Thelma 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 Espagnole."
- Marie Burke, Marie Eaton and Chorus "Maiden Maiden, If You Want a Man" Thelma Burness, R. Barrett-Lennard and Cecil Kellaway.
- Finale: Marie Burke, Herbert Browne
- 8.10 p.m.—FROM THE STUDIO. Mr. W. F. Ray in his final talk on "Immortals of the Sydney Stage."

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.
- 2BR.—Theosophical Broadcasting Station, Ltd., Sydney, wavelength 316 metres, power 300 watts.
- 2BY.—Trades and Labor Council, Sydney, wavelength 240 metres, power 200 watts.
- 2BW.—Otto Sandel, Sydney, wavelength 267 metres, power 500 watts.
- 2BX.—Otto Sandel, Wages, wavelength 267 metres, power 300 watts.
- 2MN.—Muecker Bros., Bathurst, wavelength 275 metres, power 250 watts.
- 2BE.—Electrical Utilities Supply Co., Sydney, wavelength 398 metres, power 250 watts.
- 2BE.—Burgin Electric Co., Sydney, wavelength 316 metres, 100 watts.
- 2BD.—H. A. Bourke, Newcastle, wavelength 258 metres, 100 watts.

- 2.25 p.m.—Mr. Gladstone Bell, 'cello solo, "Cradle Song" (Rimsky).
- 2.30 p.m.—Miss Alice Prowse, contralto, "Fairy Love Song" (from "Songs of the Hebrides" (Praser).
- 2.34 p.m.—Mr. Wally Baynes, comedian.
- 2.40 p.m.—Mr. Montgomery Stuart, in a humorous recitation.
- 2.45 p.m.—Miss Alice Prowse, contralto, (a) "Cradle Song" (Reisler), (b) "Ass Maria" (Schubert).
- 2.42 p.m.—Mr. Gladstone Bell, 'cello solo, "La Fileuse" (Bunkler).
- 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" (Spinks).
- 10.16 p.m.—Mr. Gladstone Bell, 'cello solo, "Variation" (Brodman).
- 10.25 p.m.—Mr. Montgomery Stuart, humorous recitation.
- 10.33 p.m.—Mr. Harrison White, banjo solo.
- 10.38 p.m.—Mr. Wally Baynes, comedian.
- 10.45 p.m.—FROM THE WESTWORTH CAFE, CHURCH HILL, SYDNEY. The Westworth Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.
- 10.52 p.m.—Mr. Hazel on White, banjo solo, FROM THE STUDIO.
- 10.58 p.m.—Late News and Announcements.
- 11.0 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 Ocean Forecast and Weather Report.
- 12.3 p.m.—Information—Mail and Shipping and movements of important ships.
- 12.5 p.m.—Sydney Stock Exchange Cuts.
- 12.5 p.m.—Bouts in call by wireless.
- 12.15 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 Results.
- 12.30 p.m.—G.P.O. Clock and chimes.
- 12.31 p.m.—Musical programme from the studio
- 12.40 p.m.—Snoring Information (Sun).
- 12.45 p.m.—Hilliers' Instrumental Quartet—direction—Cary, Castling.
- 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.
- 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 Spurge Authority.
- 2.25 p.m.—Replies to correspondents: Talk on "Feeding the Family" by Mrs. Jordan.
- 2.30 p.m.—G.P.O. Clock and chimes.
- 2.31 p.m.—Musical programme from the studio.
- 4.15 p.m.—Civil Service Stores Trio—direction—Miss De Courcy Bremer.
- 3.0 p.m.—G.P.O. Clock and chimes.
- 3.31 p.m.—Talk on "The Grand Opera" illustrated by H.M.V. Records.

4.50 p.m.—News from the "Sun."
 4.55 p.m.—G.P.O. Clock and chimes.
 4.1 p.m.—Civil Service Stores Trio.
 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.—Racing Resume.
 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 chimes. Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and chimes.
 5.46 p.m.—Daddy Long Legs and the Kiddies.
 6.40 p.m.—Musical programme from the studio.

SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. Clock and chimes.
 Australian Mercantile Land and Finance Co's Report.
 Weather Report and forecast by Courtesy of Mr. Mares.
 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 "Sun."
 7.50 p.m.—Talk on "Gardening Science" by Mr. Cooper, Park Superintendent City Council.
 8 p.m.—G.P.O. Clock and chimes.
 Broadcasters Topical Chorus.

8.10 p.m.—Messrs. Morris and Charlton in duets and solos.
 8.25 p.m.—The Ahad Duo (steel guitars).
 8.35 p.m.—Stan Hudson and Alf J. Lawrence.
 8.52 p.m.—Miss Elsie Findlay (soprano).
 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.
 9.8 p.m.—Broadcasters Trio.
 9.10 p.m.—The sporting editor of the "Sun" will talk on the prospects of Saturday's racing.
 9.36 p.m.—Mr. R. M. Baxter (bass).
 9.43 p.m.—Lectore Graham and Syd. Kingsley (in harmony and comedy).
 9.58 p.m.—Broadcasters Trio.
 10.3 p.m.—Mr. Ted Stanley (comedian).
 10.12 p.m.—Miss Grace Saville.
 10.19 p.m.—The Ahad Duo.
 10.28 p.m.—Duet, Miss Elsie Findlay and Mr. R. M. Baxter.
 10.30 p.m.—Broadcasters Trio.
 10.46 p.m.—Miss Elsie Findlay.
 10.47 p.m.—Mr. Ted Stanley.
 10.54 p.m.—Mr. R. M. Baxter.
 11 p.m.—G.P.O. Clock and chimes.
 National Anthem.

2GB, SYDNEY

Theosophical Broadcasting Service.

Wave Length, 318 Metres.

Friday.

9 a.m.—Music.
 9.6 a.m.—"Cheerio" Talk.
 9.15 a.m.—Music.
 9.25 a.m.—Talk.
 9.46 a.m.—Music.
 9.48 a.m.—Talk.
 10 a.m.—Close down

AFTERNOON SESSION.

3.50 p.m.—Music.
 4.27 p.m.—Talk.
 3.52 p.m.—Music.
 4.7 p.m.—Talk.
 4.22 p.m.—Music.
 4.40 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—Children's Session.
 7 p.m.—Music.
 7.5 p.m.—Talk.
 7.45 p.m.—Music.
 7.20 p.m.—Topical Talk.
 7.30 p.m.—Music.
 7.55 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.—Violin Solos by DAN SCULLY.
 8.28 p.m.—A Half Hour with 2GB String Quartette: LLOYD DAVIES, MONICA HORDER, CHARLES BOULT, MURIEL LANG.
 8.55 p.m.—Announcements.
 9 p.m.—Topical Talk.
 9.15 p.m.—Songs by Mr. Edmonds.
 9.28 p.m.—Piano Solos by ADA BROOK.
 9.33 p.m.—Instrumental Trio: MONICA HORDER, MURIEL LANG, ADA BROOK.
 9.45 p.m.—Songs by Mr. Edmonds.
 9.58 p.m.—"Cheerio" Talk.
 10 p.m.—Close down.

3LO MELBOURNE

Broadcasting Co. of Aust.

Wave Length, 371 Metres.

Friday.

Friday

MORNING SESSION.

THE FUTURISTS.
 EUGENIE DUGGAN.
 AGNES FORTUNE, Piano.
 O'MARA AND BURKE, Entertainers.
 GRACE AND KEATS.
 THE STUDIO ORCHESTRA.
 Accompanist MAURICE DUDLEY
 ANNOUNCER POTTED HUMOR.
 12 noon.—Time Signal; British Official Wireless News from Rugby; Reuter's and the Australian Press Association Cables; "Argus" and "Herald" News Services.

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

3LO.—Broadcasting Company of Australia, Ltd., Melbourne, wavelength 371 metres, power 5000 watts.
 4GF.—Queensland Radio Service, Brisbane, wavelength 555 metres, power 5000 watts.
 5CL.—Central Broadcasters' Ltd., Adelaide, wavelength 395 metres, power 5000 watts.
 6W.—Western Farmers, Ltd., Perth, wavelength 1250 metres, power 5000 watts.
 7Z.—Tasmanian Broadcasters, Ltd., Hobart, wavelength 585 metres, 3000 watts.
 3AR.—Associated Radio Co., Ltd., Melbourne, wavelength 484 metres, power 1600 watts.
 1DR.—Dunleigh Business and Technical College, Melbourne, wavelength 255 metres, power 500 watts.
 3UZ.—O. J. Nilsen & Co., Melbourne, wavelength 315 metres, power 104 watts.
 4GR.—Gold Radio Electric Service, Toowoomba, Queensland, wavelength 294 metres, power 100 watts.
 5KA.—Sport Radio Broadcasting Station, Adelaide, wavelength 250 metres, power 1000 watts.
 6DN.—SDN Pty., Ltd., Adelaide, wavelength 313 metres, 500 watts.

12.20 p.m.—"THE FUTURISTS." Twenty minutes of bright revue.
 "Quintessence of Comedy."
 12.40 p.m.—Stock Exchange Information.
 12.50 p.m.—THE STUDIO ORCHESTRA, "Lodis" (Massenet).
 1.0 p.m.—EUGENIE DUGGAN, Elocutionist, "The Death of Paul Dombey" (Dickens).
 1.7 p.m.—AGNES FOXTUNE, Piano, "Barcarolle" (Boccherini).
 1.14 p.m.—Meteorological Information.
 1.20 p.m.—STUDIO ORCHESTRA, "A Dervish Chorus" (Sobek).
 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, Baritone, "Little Show of Blues" (Hewitt).
 1.45 p.m.—STUDIO ORCHESTRA, "Around the Christmas Tree."
 1.52 p.m.—GRACE AND KEATS, Pierrette, Pierrot 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. MARSHALL.
 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.
 TASMA 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. MARSHALL.
 3.10 p.m.—STUDIO ORCHESTRA, "Moscowskians" (Moscowskai).
 3.15 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. MARSHALL.
 3.40 p.m.—ESTELLE MARK TRIO, Song, "Pluck This Little Flower" (London Ronald).
 Piano, "Valse Triste."
 Song, "Is Far From the Land" (Frank Lambert).
 Violin, "Energie" (Ernst).
 3.55 p.m.—STUDIO ORCHESTRA, "Red Poppies" (Berce, Elsbett).
 4.5 p.m.—MADAME LAMBERT, Soprano, "Fogroggi Lactini" (Delibes).
 "Pour un baiser" (Tosti).
 4.12 p.m.—TASMA TIERNAN, "Cello," "Lillah" (Cyril Scott).
 4.17 p.m.—STUDIO ORCHESTRA, "By the Lake of Geneva" (Boucler).
 4.27 p.m.—MRS. M. CALLAWAY MAHOOD, "Art in Modern Life."
 4.45 p.m.—"Herald" News Service; Stock Exchange 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.
 5.55 p.m.—"BILLY BUNNY."
 "The Story of Bumpy Samson."
 6.3 p.m.—O'MARA AND BURKE, Entertainers 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.—HAROLD COLLIER, "Mouchozan Selections."
 6.18 p.m.—"BILLY BUNNY."
 "Anglowood Talks."
 6.35 p.m.—"Argus" and "Herald" News Services; Weather Synopsis, Shipping Movements.
 6.47 p.m.—Stock Exchange Information.
 6.52 p.m.—Fish Market Reports, by J. R. Borrett, Ltd.



Emcco Midget Transformer. Answers the requirements of those desiring high efficiency and low price. Shielded core, perfectly insulated windings. Ratios 2-1, 3-1, and 5-1. Price, 13/9.



The Emcco Stratyline Condenser embraces correct minimum and maximum capacities, perfect insulation, pig-tail connection, true alignment, cut-away brass plates in both stator and rotor. Base or panel mounting. Has a hollow quarter-inch shaft interlocking, allowing tandem mounting of two or more condensers. Prices, .0005, 12/6; .00025 and .00025, 12/-.



Emcco Back Panel Mounting Vernier Dial is a distinct advance upon anything yet produced. It offers a most handsome appearance, remarkably fine tuning and easy mounting. Price, including Bezel and Template, 2/6. Illustrations only, complete with switch and bulb. Price, 4/6.

PROVED!

AND FOUND

PERFECT!

NEWLY designed apparatus, selected at random from the factory of Electricity Meter Mfg. Co., Ltd., Sydney, underwent a series of exhaustive tests at the most famous physical laboratory in Sydney recently. Learned scientists subjected the parts to the most severe tests in an endeavour to find a flaw in design or construction.

At the end of a certain period the apparatus was returned to the Company and declared as perfect as modern manufacture could make it, and in many respects superior to the imported article.

This final phrase meant that **Emcco** apparatus, made in Australia to withstand our rigorous climatic conditions, was best suited for the needs of Australian radio fans.

The verdict was not unexpected by the company's engineers, who have confidence in their goods. They believe that by producing goods in which they themselves have confidence, inspires confidence in their customers to the benefit of each.

Test Emcco apparatus for yourself; we defy you to find a flaw anywhere; every part is tested individually before leaving the factory.

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**ELECTRICITY METER
MFG. CO. LTD.**

SYDNEY :: N.S.W.



Designed for Controlling the Filament Current for all types of valves, for use in resistance coupled amplification, and for "B" Battery Eliminators, the Emccostad line is unequalled for performance on this market. The Emccostad has a Bakelite knob and castor and one hole mounting. Will not work. Manufactured by bank.

No. 1 Emccostad. 1/2 to 100 ohms. Price, 7/6.
No. 2 Emccostad. 10,000 to 100,000 ohms. Price, 7/6.
No. 3 Emccostad. 2,500 to 252,000 ohms. Price, 7/6.
No. 4 Emccostad. 50,000 to 500,000 ohms. Price, 7/6.
No. 5 Emccostad. 0 to 5 megs. Specially suited for battery eliminators. Price, 7/6.
No. 6 Emccostad. 1/2 to 10 megs. A first-class variable grid resistance. Price, 7/6.



Emcco Balanced Sockets. A new departure in the push-type valve socket design. Valve pins fit easily into the socket and are gripped tightly. Positive contact. The natural balance of the socket absorbs any jarring, so that microphonic noises are entirely eliminated. Bakelite frame. Price, 2/6. **Emcco Balance Socket** supplied without frame for base panel mounting. Price, 2/9.



The **Maclaurin Tone Purifier** clears up harsh and discordant noises in your set and gives true, mellow reproduction. Easily fitted. Price, 21/-.

8.45 p.m.—River Reports
 9.30 p.m.—Market Reports of FRUIT, by the Victorian Fruitgrowers' Association, compiled by "The Fruit World" exclusive 30.0.

NIGHT SESSION

Speakers:
 MR. H. A. MILLETT.
 DR. BROOKE NICHOLLS.
 MR. H. K. LOVE.
 "CARDIGAN".
 THE STUDIO ORCHESTRA.
 O'MARA AND BURKE.
 ESTELLE MARK TRIO.
 RUSSELL CALLOW, Tenor.
 HAROLD COLLIER, Mouthorgan.
 MARY MACK, Contralto.
 SYD BECK, Comedian.
 NELL CRANE, Comedienne.
 COLLINGWOOD CITIZENS' BAND.
 Conductor, MR. F. C. JOHNSTON.
 JOE ARONSON AND HIS SYNCOPATING

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. MILLETT, Agricultural Superintendent, "Wheat Growing—Pickling Seed."
 7.30 p.m.—STUDIO ORCHESTRA.
 "Andralia" (Naramontes).
 7.40 p.m.—O'MARA AND BURKE, Entertainers from the Emerald Isle.
 ANNA BURKE, "The Shamrocky Crew on the Swansee Shore" (Ball).
 CHAS. O'MARA, will entertain you.
 STUDIO ORCHESTRA.
 "Another Irish Picture."
 CHAS. BURKE, Baritone.
 "The Rale Mc Coy" (Chas. O'MARA).
 8.0 p.m.—DR. BROOKE NICHOLLS.
 "An Island Paradise."
 8.15 p.m.—COLLINGWOOD CITIZENS' BAND.
 March, "Three Bells and Bells."
 "Fox-trot, 'The More We Are Together'."
 8.25 p.m.—ESTELLE MARK TRIO, a quarter of an hour with the famous composer, BEAUMS."
 8.40 p.m.—STUDIO ORCHESTRA, "Ballet Suite" (Rameau-Mott).
 8.47 p.m.—RUSSELL CALLOW, Tenor.
 "Frelude" (Landoni, Ronald).
 "Polserna" (Phillips).
 8.54 p.m.—Czechoslovak Mouthorgan Orchestra, under direction of HAROLD COLLIER.
 "Double Barrel March."
 "That's Why I Love You."
 "Bye, Bye, Blackbird."
 9.0 p.m.—MR. H. K. LOVE.
 "Technical Talk."
 9.10 p.m.—MARY MACK, Contralto.
 "Homing" (Teresa del Ringo).
 "Saloom" (Agnes Mary Lang).
 9.17 p.m.—COLLINGWOOD CITIZENS' BAND.
 "Rose Marie."
 9.27 p.m.—SYD BECK, Australian Comedian.
 9.40 p.m.—STUDIO ORCHESTRA.
 "Idyl" (Franz Van Blon).
 9.47 p.m.—"CARDIGAN", Mr. H. A. WOLFE, Sporting Editor of the "Ararat" and "Australasian" will speak on Saturday's races.
 9.57 p.m.—COLLINGWOOD CITIZENS' BAND.
 Intermezzo, "White Lilies."
 Cornet Solo, "Serenade" (Schubert).
 Soloist, J. Phillips.
 10.7 p.m.—NELL CRANE, Comedienne.
 "Live For All You're Worth" (Darawski).
 "Three Ages of Woman."
 10.15 p.m.—HAROLD COLLIER'S Czechoslovak Mouthorgan Orchestra.
 "A Night of Love."
 "In a Little Spanish Town."
 "Bells of St. Mary."
 10.22 p.m.—"Ararat" News Service; British Official Wireless News, from Rugby; Meteorological Information.
 10.32 p.m.—MARY MACK, Contralto.
 "Lie There My Love" (Hamish MacGunn).
 "The Year's at the Spring" (Mrs. H. H. Beach).

10.40 p.m.—COLLINGWOOD CITIZENS' BAND.
 Waltz, "Caullin."
 March, "Mephistopheles" (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 particular are the jewels of knowledge, comprehending great stores in a little room."
 —LOCKE.
 11.1 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 "By the Sign of a Rose" (Fields).
 "Sunday" (Miller).
 "Hello, Little Girl of My Dreams" (Berki).
 "Hello Aloha" (Eaor).
 "The Original Black Bottom" (Henderson).
 "I'm On My Way Home" (Berlin).
 "Let's All Henry Ford" (Leslie).
 "Buenavista" (Piano Solo, Bazy).
 "The More We Are Together" (Campbell).
 "Mary Lou" (Lyman).
 "Ting A Ling—Waltz of The Bells" (Britt).
 "Baby Face" (Akalt).
 "Somebody's Lonely" (Davis).
 "A Cup of Coffee, a Sandwich, and You" (Meyer).
 "Just A Bird's Eye View" (Donaldson).
 "Just One More Kiss" (Owens).
 11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Queensland Radio Service.

Wave Length, 385 Metres.

Friday.

MIDDAY SESSION.

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

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

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

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

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

2YM, The Gisborne Radio Co., Gisborne.
 Power 50 Watts; Wave-length, 280 Metres.

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.

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

NIGHT SESSION.

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

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

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

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

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.

9.30 p.m.—A ONE-ACT PLAY: "The Menagerie's Paw" (a fantasy in three scenes, by Mr. W. Jacobs), presented by the Brisbane Round Table Players. Persons in the play: Mr. White (Neville Elliott), Herbert (Keith Elliott), Mrs. White (Edith Rowett), Sergeant Major Morris (John Clarke), Mr. Sampson (Eric Roemerstmann). Scene I: The Living-room of an Old-Fashioned Cottage in the Outskirts of Fulham, 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; To-morrow's Sporting Features; Close Down.

5CL, ADELAIDE

Central Broadcasters, Ltd.

Wave Length, 395 Metres.

MORNING SESSION.

12 noon.—G.P.O. Chimes.
 12.1 p.m.—Recitals on the New Reproducing Sonora and the Autotone Reproducer.
 12.30 p.m.—"Advertiser" news service.
 12.50 p.m.—Market reports.
 1 p.m.—G.P.O. chimes.
 1.1 p.m.—Musical programme continued.
 2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

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

DESIGN AND
CONSTRUCTION

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

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

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

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

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

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



Pay 12/6 for a
**Q.R.S. Super De-
tector**, and double
the efficiency of
your set.

The Latest 12/6 A Better 12/6
Valve

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

INSTRUCTIONS
FOR USE.

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

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

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

In the amplifier circuit 60 volts are found to be generally satisfactory, as greater amplification occurs with the high voltage. Greater life of filament and usually purer tone are obtained by burning the filament at the lowest temperature, giving satisfactory results. However, when a 6-volt battery is used, the filament will not be damaged at full voltage.

Factory Representatives

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

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

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, Miss A. Anders.
 8.19 p.m.—Malcolm Reid's Orchestra.
 8.30 p.m.—Song, Mr. Les. Cony.
 8.34 p.m.—Malcolm Reid's Orchestra.
 8.45 p.m.—Song, Mr. Gill Evans.
 8.49 p.m.—Malcolm Reid's Orchestra.
 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.—Lecture by Mr. E. H. Fritchard (Botanical Assistant). "The necessity of a pure seed supply."
 9.35 p.m.—Song, Mr. Gill Evans.
 9.39 p.m.—Recitation, Mr. Frank Part.
 9.45 p.m.—Malcolm Reid's Orchestra.
 9.55 p.m.—Song, Miss A. Anders.
 10 p.m.—G.P.O. chimes.
 10.1 p.m.—"Adversity" news service.
 10.15 p.m.—Malcolm Reid's Orchestra.
 10.25 p.m.—Song, Mr. Les. Cony.
 10.29 p.m.—Recitation, Mr. Frank Part.
 10.35 p.m.—Malcolm Reid's Orchestra.
 10.45 p.m.—Song, Mr. Gill Evans.
 11 p.m.—G.P.O. chimes and close down.

6WF, PERTH

Westralian Farmer's.

Wave Length, 1250 Metres.

Friday

- 12.30 p.m.—Tune in.
 12.35 p.m.—First local news bulletin.
 Market reports.
 Cables.
 1 p.m.—Time signal from Perth Observatory.
 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 1.2 p.m.—Studio Quintette:
 March, "N.C. 4" (Bigelow).
 Overture, "La Serenade" (Auber).
 Waltz, "Soubre d'Avril" (Despret).
 Selections, "Les Contes d'Hoffmann" (Offenbach).
 "Liebestraum, No. 3" (Liszt).
 March, "Hornemann" (Paultl).
 2 p.m.—Close down.
 2.10 p.m.—Tune in.
 2.35 p.m.—Musical programme.
 4.39 p.m.—Close down.
 4.45 p.m.—Tune in.
 4.50 p.m.—Musical evening for the kiddies, by Aunt Kate and Uncle Henry, Leslie, Perry and Duffy.
 7.20 p.m.—Stock and Share intelligence.
 Market reports.
 Cables. News supplied by courtesy of "The West Australian" Newspaper Co.
 7.45 p.m.—Talk.
 8 p.m.—Time signal from Perth Observatory.
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 8.3 p.m.—Popular Night.
 Musical programme, including articles.
 9 p.m.—Talk: "Gardening Notes," by Mr. E. A. Hughes, representing Messrs. Dawson and Harrison.
 10 p.m.—"Health" talk by Mr. E. S. Hutton, of the Hutton School of Physical Culture.
 10.20 p.m.—Second local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.
 10.30 p.m.—Close down.

Saturday, May 7
2FC, SYDNEY

MIDDAY AND AFTERNOON SESSION.

- 12 noon—"Big Ben" and announcements.
 12.5 p.m.—Studio music.
 12.55 p.m.—Official Weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
 12.55 p.m.—Summary of "Sydney Morning Herald" news service and cables.
 12.55 p.m.—Rugby wireless news.
 12.59 p.m.—Studio music.
 12.45 p.m.—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 Warwick Farm will be given during the afternoon.
 A full description of the final 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 Fitzhardinge and Mr. Charlie Stewart, assisted by the 2FC Announcers.
 During the afternoon items will be taken from the Wentworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Leighton.
 Items from the Studio will include Mr. Cliff Arnold, Novelti Pianist.
 4.10 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.
 6.50 p.m.—The "Hello Man" Talks to the Children.
 4.50 p.m.—A Serial Story for the older ones.
 6.40 p.m.—Dinner Music.
 7 p.m.—"Big Ben." Late sporting information.
 6.15 p.m.—Weather intelligence.
 7.15 p.m.—"Evening News" late news service.
 7.05 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.
 8.10 p.m.—Mr. Powell Paulini, tenor.
 8.14 p.m.—Mr. George Welch, comedian.
 8.20 p.m.—Miss Gwladys Finister, soprano.
 8.24 p.m.—The Neapolitan Duo, from Station 3LO Melbourne.
 Mr. Les Gibson, mandolin.
 Mr. Charlie Backstrom, steel guitar.
 (a) Duet, "Ciribiribin" (Russa).
 (b) Mandolin Solo, "Melody in E" (Rubenstein).
 (c) Duet, "Over the Waves" (Russa).
 8.32 p.m.—Mr. Harry Avondale, comedian.

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

- 8.46 p.m.—FROM THE STUDIO:
 Miss Peggy Peat, soprano.
 8.52 p.m.—The 2FC Dance Band (Conductor, Mr. Eric Pearce):
 Fox Trot, "Pve got the Girl" (Donaldson).
 8.58 p.m.—Mr. Powell Paulini, tenor.
 9 p.m.—Mr. Harry Avondale, comedian.
 9.13 p.m.—FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY.
 Orchestral Items.
 9.24 p.m.—FROM THE STUDIO:
 Miss Gwladys Finister, soprano.
 9.30 p.m.—The Neapolitan Duo, Mr. Len Gibson, Mandolin, Mr. Charlie Backstrom, steel Guitar:
 (a) Duet, "Plantation Medley" (arr. Gibson).
 (b) Mandolin solo, "Souvenir" (Drda).
 (c) Steel Guitar Solo.
 (d) Duet, "Memories of Comic Opera" (arr. Gibson).

- 9.40 p.m.—Mr. George Welch, comedian.
 9.47 p.m.—Mr. Powell Paulini, 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" (Hanrich).
 10.3 p.m.—Miss Gwladys Finister, soprano.
 10.5 p.m.—Mr. Harry Avondale, comedian.
 10.8 p.m.—FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY:
 Orchestral Items.
 10.14 p.m.—FROM THE STUDIO:
 Miss Peggy Peat, soprano.
 10.20 p.m.—The 2FC Dance Band:
 Fox Trot, "To-night's My Night" (Caesari).
 10.32 p.m.—Mr. Lawrence Halbert, baritone:
 "The Far Away Bells" (Gordon).
 10.38 p.m.—Miss Peggy Peat, soprano:
 (a) Fox Trot, "The 2FC Dance Band (Conductor, Mr. Eric Pearce):
 (a) Fox Trot, "Hello, Bluebird" (Friend).
 (b) Waltz, "Lullaby Moon" (Tignor).
 10.55 p.m.—Mr. Lawrence Halbert, baritone:
 "Moonlight on the Gangs" (Myers).
 10.58 p.m.—Late news and announcements.
 11 p.m.—"Big Ben." The 2FC Dance Band, in the following numbers:
 (a) Fox Trot, "Precious" (Pausteraeck).
 (b) Fox Trot, "Hi, Ho, the Merrie" (Brown).
 (c) Fox Trot, "Lonesome and Sorry" (Davis).
 11.18 p.m.—FROM THE WENTWORTH CAFE, THE WENTWORTH SYMPHONIC DANCE ORCHESTRA, in Popular Numbers, until 11.45 p.m.
 Conductor, Mr. Frederick Leighton.
 11.45 p.m.—National Anthem.
 Close down.

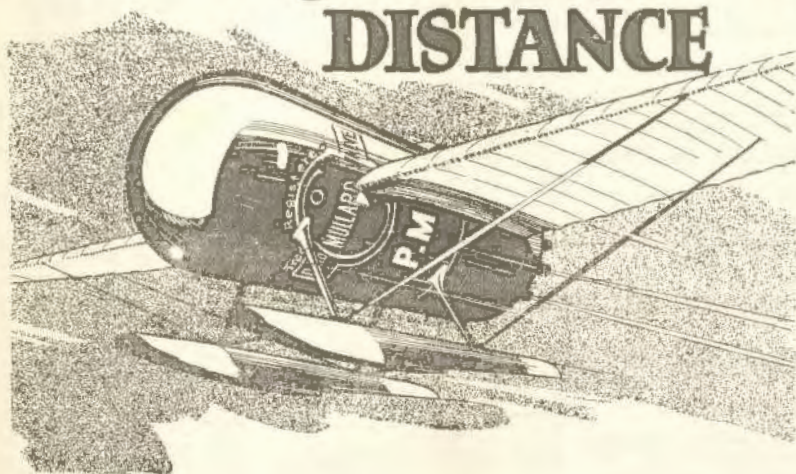
2BL, SYDNEY

Saturday.

- 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, Rowing. 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.
 5 p.m.—G.P.O. Clock and chimes.
 5.1 p.m.—Racing Resume.
 5.5 p.m.—Close down.

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 May 10th: Packard Six Orchestra.
 May 10th: Meiklejohn Bros' Programme.
 May 11th: Azure Music Club.
 May 12th: Sunset Instrumental Quartet.
 May 13th: Programme of Modern Classical Music.
 May 14th: Packard Ballad Hour.
 May 15th (commencing 6 p.m., closing down at 8 p.m.): KFI Midnite Profile —Mashy's Dixieland Blue Blowers.

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THE · MASTER · VALVE

EARLY EVENING SESSION.

- 8.40 p.m.—G.P.O. Clock and chimes
- 8.46 p.m.—Uncle George and the kiddies.
- 8.50 p.m.—Gripa will talk to the kiddies.
- 8.50 p.m.—Musical programme from the studio.
- 7.15 p.m.—Results of all sporting information including racing, Bowls, Tennis, Swimming, Sniffing, Athletics, by courtesy of the "Sun."
- 7.30 p.m.—Country news from the "Sun."
- 8 p.m.—G.P.O. Clock and chimes.
- Broadcaster's Typical evening.
- 8.3 p.m.—Miss Ella Goodman, (soprano).
- 8.10 p.m.—Mr. Bobby Watson, (contralto).
- 8.17 p.m.—Miss Mary Neal (Mezzo contralto).
- 8.24 p.m.—Miss Nellie M. Ferguson (soprano).
- 8.31 p.m.—Broadcasting from Maroubra speed-way.
- 9 p.m.—G.P.O. Clock and chimes.
- Resume of following day's programme.
- 9.5 p.m.—Miss Ella Goodman.
- 9.12 p.m.—Broadcasting from Maroubra speed-way.
- 9.22 p.m.—Mr. Bobby Watson.
- 9.28 p.m.—Broadcasting from Maroubra speed-way.
- 9.36 p.m.—Miss Mary Neal.
- 9.48 p.m.—Broadcasting from Maroubra speed-way.
- 9.56 p.m.—Miss Nellie M. Ferguson.
- 10.05 p.m.—Broadcasting from Maroubra speed-way.
- 10.15 p.m.—The Ambassadors Dance Band Broadcast from the Ballroom of the Ambassadors. During intervals between dances "Sun" news will be broadcast.
- 11.30 p.m.—G.P.O. Clock and chimes.
- National Anthem.

3LO MELBOURNE

- Saturday.**
- Announcer MAURICE DUDLEY
Accompanist AGNES FORTUNE
- EVENING SESSION.**
- 7.15 p.m.—MR. R. RAWSON, "Emberato"
 - 7.30 p.m.—MR. E. E. PESCOFF, "Australiana March"
 - 7.45 p.m.—DR. LEACH "Tears of Sea-Swallows."
 - 8.0 p.m.—MUSICAL SOCIETY OF VICTORIA, Concert Transmitted from the Assembly Hall.
 - String Quintette, "Op. 25" (Beethoven).
 - BERTHA JOHNSONSON, HOPE SCOTT, DOROTHY ROXBURGH, WINNIE ROBERTS, TASMA YERNAN, Piano, "Walden Sonata" (Beethoven).
 - ELSIE FRASER, Aris from "Fidelio" (Beethoven).
 - JESSIE MICHAEL, Violin, "Concerto" (Beethoven).
 - STANLEY ADAMS, Instrumental Trio, Flute, Violin and Viola, "Op. 25" (Beethoven).
 - C. RICHARD CRUGG, BERTHA JOHNSONSON, DOROTHY ROXBURGH, Saxophone of Treasones, "Egual" (Beethoven).
 - FROM THE STUDIO.
 - 10.0 p.m.—ERNEST WILSON, Baritone, "Purr and Tender Side of Eve" (Wagner).
 - "Bird Boogym" (Clarke).
 - 10.5 p.m.—"Argus" News Service; British Official Wireless News from Sydney; Meteorological Information.
 - 10.17 p.m.—"THE FUTURISTS" In their latest Vaudeville Attraction: "A Comedy Game."
 - 10.42 p.m.—JOE ARNOLDSON AND HIS SYMPHONIZING SYMPHONISTS, "Barquidly" (Blasie).
 - "Two, Two, Blackie!" (Dixon).
 - "Tonight's My Night With Baby" (Meyer).
 - 10.50 p.m.—Announcements; Sporting Results.
 - 11.0 p.m.—OUR GREAT THOUGHT, "That nation is vanishing which does not joyfully shake everything on her honor" SCHILLER.
 - 11.1 p.m.—JOE ARNOLDSON AND HIS SYMPHONIZING SYMPHONISTS, "The Leaves" (Spencer).
 - "That Samson and Delilah Melody" (Grey).
 - "You've Got to Black Shuffle" (Sparkle).
 - "Eye-Got-the-Girl" (Donaldson).
 - "Kentucky Lullaby" (Meyer).
 - "That's Why I Love You" (Donaldson).
 - 11.40 p.m.—GOD SAVE THE KING.

5CL, ADELAIDE

- Saturday**
- MORNING SESSION.**
- 11 a.m.—G.P.O. Chimes.
 - 11.1 a.m.—Recital on the "New Reproducing Sonora" and the "Autotone Reproducer."
 - 11.30 a.m.—"Advertiser" news service.
 - 12 noon—G.P.O. Chimes and close down.
- AFTERNOON SESSION.**
- 12.35 p.m.—Relay from Le Murphysville race-course, running description of the race by Mr. Arnold Trevelyan interspersed with musical items and inter-act sporting results.
 - 5.30 p.m.—Close down.

EVENING SESSION.

- 6 p.m.—G.P.O. Chimes.
- 6.15 p.m.—Relay from "Cavendish Garden Restaurant"—Orchestral selections.
- 6.45 p.m.—Bedtime stories.
- 7.30 p.m.—Market reports by Messrs. S. C. Ward and Co., A. E. Hall and Co., A. W. Stanford and Co., Dalry and Co., S. A. Larmer's Co-op. Union, Taylor Bros.
- 7.40 p.m.—Sporting results.
- 8 p.m.—G.P.O. Chimes.
- 8.1 p.m.—Contra-tenor solo, Mrs. J. L. Davey.
- 8.4 p.m.—Humorous item, Mr. George Horton.
- 12 p.m.—Carmichael's Dance Orchestra.
- 8.42 p.m.—Soprano solo, Miss Jean Illingworth.
- 8.46 p.m.—Lo-se-fo-er, Mr. Jack Lenthall.
- 8.44 p.m.—Contra-tenor solo, Mrs. J. L. Davey.
- 8.48 p.m.—Humorous item, Mr. George Horton.
- 8.53 p.m.—Pianoforte solo, Miss Mary Meegan.
- 8.57 p.m.—Soprano solo, Miss Jean Illingworth.
- 9 p.m.—G.P.O. Chimes.
- 9.1 p.m.—Weather report.
- 9.2 p.m.—Relay Carmichael's Dance Orchestra.
- 9.35 p.m.—Humorous item, Mr. George Horton.
- 9.50 p.m.—Harp solo, Mr. Jack Lenthall.
- 9.52 p.m.—Contra-tenor solo, Mrs. J. L. Davey.
- 9.58 p.m.—Pianoforte solo, Miss Mary Meegan.
- 9.42 p.m.—Soprano, Miss Jean Illingworth.
- 9.45 p.m.—Lullaby, Mr. Jack Lenthall.
- 9.50 p.m.—Relay dance music, Carmichael's Orchestra.
- 10 p.m.—G.P.O. Chimes.
- 10.1 p.m.—Sporting results.
- 10.16 p.m.—Contra-tenor solo, Mrs. J. L. Davey.
- 10.14 p.m.—Harp solo, Mr. Jack Lenthall.
- 10.18 p.m.—Humorous item, Mr. George Horton.
- 10.23 p.m.—Soprano solo, Miss Jean Illingworth.
- 10.25 p.m.—Carmichael's Dance Orchestra.
- 10.40 p.m.—Harp solo, Mr. Jack Lenthall.
- 10.43 p.m.—Soprano solo, Miss Jean Illingworth.
- 10.46 p.m.—Carmichael's Dance Orchestra.
- 11 p.m.—G.P.O. Chimes and close down.

6WF, PERTH

- Saturday.**
- 12 noon.—Tune in.
 - 12.5 p.m.—Musical programme, including pianoforte selections by Mr. Leslie Judson.
 - 12.47 p.m.—First local news bulletin.
 - 1.00 p.m.—Local reports, cables.
 - 1.1 p.m.—Time signal from Perth Observatory.
 - 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 - 1.3 p.m.—Close down.
 - 8.45 p.m.—Tune in.
 - 6.50 p.m.—Uncle Perry and Rag with the Radio Bird.
 - 7.5 p.m.—Children's story, "Real Australia," introducing "Professor Kookaburra," told by Auntie Nora.
 - 7.15 p.m.—Sports results supplied by courtesy of "The Mirror" Newspaper Co.

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- 7.20 p.m.—Market reports, cables. News supplied by courtesy of "The West Australian" Newspaper Co.
- 7.45 p.m.—Talk.
- 8 p.m.—Time signal from Perth Observatory.
- 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 8.2 p.m.—Music and Song.
- Musical programme, including artists.
- Orchestral music by the Lyric Theatre Orchestra, relayed from the Lyric Theatre, Melbourne.
- 10 p.m.—Second local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.
- Sports results supplied by courtesy of "The Mirror" Newspaper Co.
- Ships within range announcement.
- Weather report and forecast.
- 10.50 p.m.—Close down.

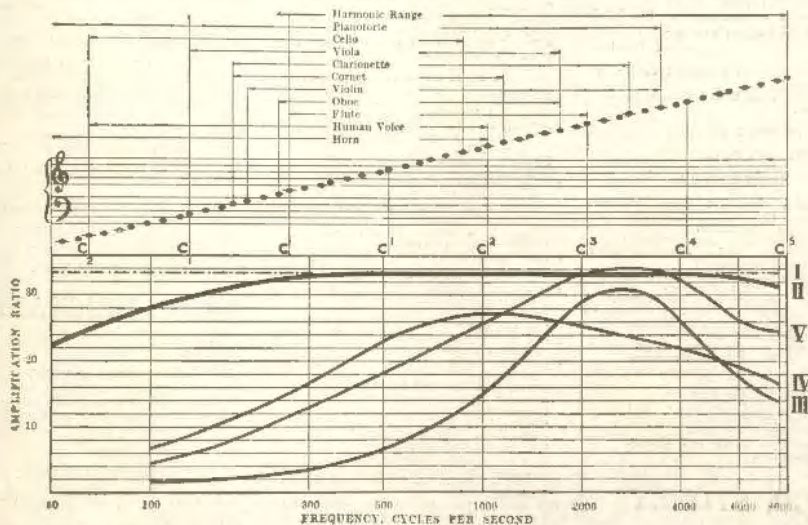
Sunday, May 8 2FC, SYDNEY

- MORNING SESSION.**
- 10.55 a.m.—Announcement of an all day broadcast from Canberra, the Federal Capital.
 - 11 a.m.—THE MORNING SERVICE WILL BE TAKEN FROM THE CHURCH OF ENGLAND STIPATED, O'N FEDERAL HILL, overlooking the Capital city.
 - This service church was erected 50 years ago and this will be the first occasion that a religious service has been broadcast from the Federal Capital.
 - 12.15 p.m.—From the Studio: News items.
 - 12.30 p.m.—Close down.
- AFTERNOON SESSION.**
- 2.30 p.m.—Programme announcements.
 - 2.45 p.m.—FROM ROTTENBERRY HILL, CANBERRA: The Dedication of the Laying of the Foundation Stone at the site for the building of the Church of England Cathedral at Canberra.
 - The Service will be conducted by the Archbishop of Kalgoorlie.
 - Addresses will be given by Sir Lilliefont Groom and others.
 - A complete Choral Service has been arranged and the 2FC Announcer will describe the Ceremony.
 - 4.30 p.m.—FROM THE SYDNEY STUDIOS: A Talk by Mr. S. H. Bowden on "Look-the City of the Duke."
 - 4.50 p.m.—Close down.
- EVENING SESSION.**
- 6.45 p.m.—FROM THE STUDIO: Items by the vocal pupils of Madame Emily Marks:
 - 1. "Hesner" (Mullinson), Miss Flossie Bracket.
 - 2. (a) "Pill a glass with Golden Wine" (Quilter).
 - (b) "Sylvia" (Speake).
 - Mr. Donald Mack.
 - 3. "Roberto the to adors" (Meyersbeer).
 - Miss Katherine Eversley.
 - 4. Pianoforte solo, "Elegiac in A Minor" (Dubuany), Miss Erid Hynes.
- NIGHT SESSION.**
- Continuation of the Recital arranged by Madame Emily Marks:
- 5. "The Sweetest Flow that blows" (Hawley), Mr. Harry Croft.
 - 6.10 p.m.—FROM CANBERRA: A description by our Announcer of the activities which are taking place at the Federal Capital in preparation for the Historic Ceremony to-morrow.
 - 6.40 p.m.—FROM THE SYDNEY STUDIO: Further items by Madame Emily Marks: Pupils:
 - 5. Vocal, "From a Lattice Window" (Phillips), Miss Freda Johnston.
 - 7. Vocal, "June Music" (Trent), Miss Flossie Bracket.
 - 8. Vocal, "Musetta's Song" (Puccini), Miss Margaret Grimshaw, mezzo.
 - 9. Pianoforte: (a) "Gavotte" (Chuck-Brahms).
 - (b) "Waltz in C Sharp Minor" (Chopin).
 - 10. Vocal, "The Hollow'd Hour," Mr. Harry Croft.
 - (Accompanist, Miss Erid Hynes).



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7 p.m.—FROM THE CENTRAL METHODIST MISSION:

The Harvest Festival on the occasion of the 44th Anniversary.
Preacher, The Rev. G. Irving Benson.
8.30 p.m.—FROM THE MANLY BEACH BAND ROTUNDA: A programme by the Manly Municipal Band, conducted by Mr. J. Pheloung.

8.30 p.m.—FROM THE STUDIO:

Mr. Lionel Lawson, violinist.
8.35 p.m.—Mr. Richard McClelland, basso:
(a) "The Vain Sult" (Brahms).
(b) "The Sandman" (Brahms).
8.45 p.m.—Mr. Lindley Evans, pianoforte solos:
"Three Serious Dances" (York Bowen).
8.55 p.m.—Mr. Richard McClelland, basso:
"The Faithless Men" (Halzey).
9.05 p.m.—Mr. Lionel Lawson, violinist.
10.5 p.m.—Mr. Lindley Evans, pianoforte solos:
(a) "Minuet" (Grice).
(b) "Wats" (Stojowski).
10.15 p.m.—Mr. Richard McClelland, basso:
"Myself When Young" (Lehmann).
10.14 p.m.—National Anthem.
Close down.

2BL, SYDNEY

Sunday.

MORNING SESSION.

10.45 p.m.—Special news service.
11 a.m.—Service broadcast from St. Jude's

AFTERNOON SESSION.

2 p.m.—Mother's Day Celebration, broadcast from Adyar Hall.
4.30 p.m.—Bible Class, conducted by Mr. W. "Carey" Bradley.
5.15 p.m.—G.P.O. clock and chimes.
Close down.

EVENING SESSION

8.45 p.m.—Children's Service.

NIGHT SESSION.

7 p.m.—Service broadcast from Chalmers Presbyterian Church.
7.30 p.m.—From the Studio:
Miss Phyllis Atkinson (mezzo-soprano).
8.37 p.m.—Alfredo Tomas (Operatic Tenor, with his Piano-Accordion).
8.52 p.m.—Miss Heather Kinnaird (soprano).
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. Mars, Govt. Meteorologist.
9.4 p.m.—Broadcasters' Trio.
9.14 p.m.—Miss Ray Nancarrow (soubrette).
9.22 p.m.—Miss Roger Jones (baritone).
9.28 p.m.—Miss Phyllis Atkinson.
9.36 p.m.—Broadcasters' Trio.
9.43 p.m.—Miss Heather Kinnaird.
9.50 p.m.—Miss Ray Nancarrow.
10.1 p.m.—Mr. Roger Jones.
10.8 p.m.—Broadcasters' Trio.
10.15 p.m.—G.P.O. Clock and chimes.
National anthem.

2GB, SYDNEY

Sunday.

10.20 a.m.—Organ Music from St. Albans.
10.30 a.m.—Morning Service from St. Albans: Celebration of the Holy Eucharist; Sermon.
12 noon.—Close down.
7 p.m.—Lecture from Adyar Hall.
8 p.m.—Music from Studio.
8.15 p.m.—Duets for two violins with piano accompaniment: DAN SCULLY, MONICA HORDER, ADA BROOK.
8.25 p.m.—Piano Solos by ADA BROOK.
8.32 p.m.—Violin Solos by MONICA HORDER.
8.40 p.m.—Trio.
9 p.m.—Duets for two violins with piano accompaniment: DAN SCULLY, MONICA HORDER, ADA BROOK.
9.5 p.m.—Violin Solos by DAN SCULLY.
8.15 p.m.—Close down.

3LO, MELBOURNE

Sunday.

MORNING SESSION.

10.25 a.m.—Express train information.
10.30 a.m.—Bells from St. Paul's Cathedral.
10.45 p.m.—SERVICE FROM ST. PAUL'S CATHEDRAL.
Sentence.
Exhortation.
General Confession.
Absolution.
The Lord's Prayer.
Verses and Responses.
The Venite.
Psalm.
Prayer.
Te Deum and Benedictus. Scily in A.
Second Lesson.
The Apostles' Creed.
The Collects.
Antiphon, "If we believe" (Gora).
Prayers.
Hymn.
SERMON—THE ARCHBISHOP.
Hymn.
The Benediction.
12.15 p.m.—British official wireless news from Rugby.
12.25 p.m.—Close down.

AFTERNOON SESSION.

2 p.m.—PLEASANT SUNDAY AFTERNOON WESLEY CENTRAL MISSION.
Chairman, Rev. J. H. Cain.
Conductor, Mr. G. M. Williams.
Orchestral Selection.
Hymn, "Hail to the Lord's Anointed."
Prayer, Rev. J. H. CAIN.
Hymn, "God bless our native land."
Solo, Mr. J. Cadzow.
Orchestral Selection.
Solo, Mr. W. J. Cadzow.
Notices.
Offering.
Orchestral Selection.
ADDRESS: MR. J. HUME COOK:
"Canberra—A new page in National History."
National Anthem.
BENEDICTION.
4.30 p.m.—Organ Recital by DR. FLOYD, transmitted from St. Paul's Cathedral:
"Minuet from Bernini" (Handel).
"Allergretto" (Toines).
"Fugue in G Minor" (Bach).
"Cradle Song" (Kjerulf).
6 p.m.—Close down.

EVENING SESSION.

5.40 p.m.—CHILDREN'S HOUR. Hymns by "THE PIED PIPERS":
"All glory, laud and honor."
"Go and tell."
5.50 p.m.—BILLY BUNNY:
"Parables for Little People."
6 p.m.—Musical programme by "THE PIED PIPERS":
Chorus, "O, Gadsome Light."
Solo, "He with all your Hearts."
Organ Solo.
Chorus, "The Violet."
Piano Solo, "The Marionettes."
Chorus, "In Our Garden."
Solo and Chorus, "Hush-a-bye."
Cradle Song, "Balse, my Baby."
6.25 p.m.—Answers to Letters and Birthday Greetings.
6.35 p.m.—A Chat to the Children about the Australian Band of Hope and Young People's Temperance Union.
6.45 p.m.—Bells from St. Paul's Cathedral.

NIGHT SESSION.

SERVICE FROM INDEPENDENT CHURCH.
JOE ARONSON'S MILITARY BAND.
THOMAS CERIASI, Harp.
WESLEY CHURCH CHOIR.
ERNEST WILSON, Baritone.
Announcer MAURICE DUDLEY
Accompanist AGNES FORTUNE.
7 p.m.—SERVICE FROM INDEPENDENT CHURCH, Collins Street, Melbourne:
Minister, Rev. J. Ernest James, B.D.
Assistant Minister, Rev. Hugh Lovell, M.A.
Organist: Mr. Herbert Davis.
Hymn, "Ye Servants of God."
Paper of Invocation.
Lord's Prayer.

Hymn, "God Save our Austral Land."
Scriptures.
Quartet, "Even Song" (Dudley Duck).
Prayer.
Anthem, "Honest breathe an Evening Blessing" (Marvy).
Offerings.
Notices.
Hymn, "Souls of Men why will ye scatter."
SERMON, REV. J. ERNEST JAMES, B.D.
Hymn, "O Love that will not let me go."
Benediction.

FROM THE STUDIO—

8.30 p.m.—We have pleasure in presenting for the first time, JOE ARONSON'S MILITARY BAND:
March, "The Billboards Bazaar."
Grand Fantasia, "Carmen" (Bisetti).
5.15 p.m.—THOMAS CERIASI, Harp:
"Nearer My God to Thee," Air and Variations.
8.45 p.m.—WESLEY CHURCH CHOIR, under direction of Mr. Wm. James:
"O Bless are They" (Tschakowski).
Unaccompanied.
"By Babylon's Wave" (Gounod).
8.55 p.m.—JOE ARONSON'S MILITARY BAND:
"A Japanese Sunset" (Duppen).
9 p.m.—ERNEST WILSON, Baritone:
"Lost Chord" (Sullivan).
"Break, Break" (Lester).
9.17 p.m.—JOE ARONSON'S MILITARY BAND:
"In a Little Spanish Town" (Lewts).
A Study in Tone Color.
9.10 p.m.—THOMAS CERIASI, Harp:
"Bible Balls of Scotland" Air and Variations.
9.15 p.m.—ERNEST WILSON, Baritone:
"Sun God" (William James).
"Rosary" (Neville).
9.22 p.m.—JOE ARONSON'S MILITARY BAND:
"Pale Moon," Indian Love Song (Logan).
Trombone Soloist, Rodger Smith. Band Accompaniment.
9.27 p.m.—WESLEY CHURCH CHOIR:
"Saviour Thy Children Keep" (Sullivan).
Unaccompanied.
"Hallelujah Chorus" (Beethoven).
9.34 p.m.—JOE ARONSON'S MILITARY BAND:
Selection, "Gems of Tschakowski" (Arr. Clark).
9.45 p.m.—"Argus" news service. British official wireless news. Meteorological information. Announcements.
9.50 p.m.—OUR GREAT THOUGHT:
"Our generation never should exceed our abilities."—Cleere.
10 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Sunday.

MORNING SESSION.

ALL SAINTS' CHURCH.
The complete morning service will be relayed from All Saints' Church of England, Wickham Terrace.
11 a.m.—Morning service.
12.15 p.m.—Close Down.

AFTERNOON SESSION.

BAND CONCERT.
The band concert will be relayed from the Botanic Gardens.
3.15 p.m.—Band concert.
4.30 p.m.—Close Down.

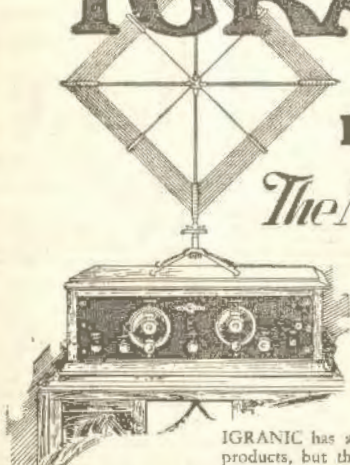
NIGHT SESSION.

ST. JOHN'S CATHEDRAL.
The complete evening service will be relayed from St. John's Anglican Cathedral.
7.30 p.m.—Evening service.
BAND CONCERT.
At the conclusion of the church service, the concert by the Brisbane Municipal Concert Band (conductor, Mr. E. Jackson) will be relayed from Wickham Park. The programme will include:
Overture to "Meritans" (Wallace); selection from "La Traviata" (Verdi); burlesque "A Comical Concert" (Godfrey).
9.30 p.m.—Close Down.

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WRITE FOR LEAFLET "W.W."

5CL, ADELAIDE

Sunday.

MORNING SESSION.

11 a.m.—G.P.O. chimes.
11.1 a.m.—Relay from Parkside Baptist Church.
12.20 p.m.—Close down.

EVENING SESSION.

8.30 p.m.—G.P.O. chimes.
8.31 p.m.—Sunday stories for children.
7 p.m.—Rose Park Congregational Church service.
8.10 p.m.—Banjo duet, Messrs. Williams and Smith.
8.15 p.m.—Song, Miss Lyanne Gilbert.
8.16 p.m.—Recitation.
8.54 p.m.—Part song, Slow Memorial Church Choir.
8.30 p.m.—Banjo duet, Messrs. Williams and Smith.
8.35 p.m.—Song, Mr. Harold Durdin.
8.40 p.m.—Original composition, Mr. Tom King.
8.45 p.m.—Duet, Mr. and Mrs. W. James.
2.40 p.m.—Recitation.
8.48 p.m.—Part song, Slow Memorial Church Choir.
9 p.m.—G.P.O. chimes.
9.1 p.m.—Mr. F. H. Nicholls will address the listeners on "Mothers Day."
9.15 p.m.—Part song, Slow Memorial Church Choir.
9.21 p.m.—Banjo duet, Messrs. Williams and Smith.
9.25 p.m.—Song, Miss Lyanne Gilbert.
9.30 p.m.—Recitation.
9.30 p.m.—Song, Mr. Harold Durdin.
9.30 p.m.—Banjo duet, Messrs. Williams and Smith.
9.41 p.m.—Part song, Slow Memorial Church Choir.
9.50 p.m.—Song, Mrs. W. James.
9.53 p.m.—Original composition, Mr. Tom King.
10 p.m.—G.P.O. chimes and close down.

6WF, PERTH

Sunday.

10.45 a.m.—Tune in.
11 a.m.—Morning service, relayed from St. Andrew's Presbyterian Church, St. George's Terrace, Perth. Preacher, Rev. Gen. Tyloch.
11.10 a.m.—Tune in.
8.15 p.m.—Lieut.-Col. Le Souef will speak on "The Acclimatisation of Birds and Animals."
8.30 p.m.—R.S.L. Band and Vocal Concert, relayed from the Zoological Gardens, South Perth. Conductor, Mr. Gen. S. Mellor.
8 p.m.—Close down.
9 p.m.—Tune in.
7.5 p.m.—Children's bedtime stories.
7.50 p.m.—Evening service, relayed from the Salvation Army Citadel, Pier Street, Perth.
8.45 p.m.—Perth City Band and Vocal Concert, relayed from the Government Gardens, Perth. Conductor, Mr. W. A. Halvorsen.

Monday, May 9
2FC, SYDNEY

MORNING AND MIDDAY SESSION.

10.15 a.m.—Chimes and announcement of the special transmission covering the proceedings at the historic opening of the Commonwealth Parliament at Canberra.
10.20 a.m.—Appropriate music from the Studio, including Brass Band items and choral numbers.
10.25 p.m.—Foreword covering the Ceremony, the arrival of the Official Guests; the Representatives of Military, Naval, and Air Forces.
10.45 a.m.—The Commonwealth broadcast of the Opening of the Federal Parliament

House at Canberra by His Royal Highness, the Duke of York, (45) arrangement with the Postmaster General's Department station 2FC—together with the Interstate "A" Chimes stations—will be supplied with a special trunk line to the studio, and listeners will have a complete description given to them by an announcer who has been chosen by the Federal Authorities.)

A full description will be given of Their Royal Highnesses—the Duke and Duchess of York, proceeding to the Federal Parliament Buildings; the Duke of York opening the Doors of Parliament House, and his unveiling of the statue of King George.

Ten will follow the delivery by His Royal Highness of the King's message from the Throne which will be read at approximately 12 o'clock.

NOTE: The unveiling ceremony will take place in the King's Hall of Parliament House.

The King's Message will be read from the Senate Chamber. The actual time of the Official Opening of Parliament was not available when this programme went to press, but the actual details will be released as soon as possible.
Dame Nellie Melba will sing the National Anthem (the first occasion she has broadcast in New Zealand).

It is expected the Official Ceremony will conclude at 4.30 p.m.

Following the opening of Federal Parliament, from the 2FC Studios, Sydney, Mr. Stuart Houston, the well-known English basso who is touring Australia in conjunction with Dame Nellie Melba's farewell appearance, will be heard.

12.10 p.m.—"Advance Australia Fair."

12.16 p.m.—FROM THE STUDIO;
Stock Exchange information, first call.

12.17 p.m.—Official weather forecast, rainfall, temperatures, astronomical, sea, surf, shipping, intelligence, mail services.

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

12.35 p.m.—Rugby wireless news.

12.40 p.m.—Miss Edna Hudson, soprano.

12.46 p.m.—Last minute sporting information by the 2FC Racing Commissioner.

1 p.m.—"Big Ben," Wireless Intelligence.

1.3 p.m.—Evening News, midday news service.

Producers' Distributing Society's Report.

1.29 p.m.—Studio music.

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

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

1.40 p.m.—Miss Edna Hudson, soprano.

1.45 p.m.—Studio music.

2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.

3.20 p.m.—Pianoforte reproduction on the "Behning" Player Piano.

3.12 p.m.—Mr. Walter Whyte, tenor:
"I Heard You go By (Wood)."

3.19 p.m.—Popular records.

3.24 p.m.—Miss Aileen Bear, mezzo.

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

3.40 p.m.—FROM FARMER'S TEA ROOMS:
Miss Joyce Gillespie, soprano:
"The Reason" (Hague).

8.45 p.m.—A description of the Opening of Federal Parliament at Canberra.

4 p.m.—FROM FARMER'S TEA ROOMS:
Miss Dorothy Benlow, contralto:
"My Heart's Haven" (Phillips).

4.5 p.m.—Mr. Walter Whyte, tenor:
"Myra" (Clutsam).

4.10 p.m.—A popular record.

4.15 p.m.—Miss Aileen Bear, mezzo.

4.20 p.m.—FROM FARMER'S TEA ROOMS:
Miss Joyce Gillespie, soprano:
"They Say" (Evans).

4.25 p.m.—Studio music.

4.40 p.m.—FROM FARMER'S TEA ROOMS:
Miss Dorothy Benlow, contralto:
"The Sweetest Flower that Grows" (Hawley).

4.45 p.m.—Stock Exchange, third call.

4.46 p.m.—Studio music.

5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.45 p.m.—The Chimes of 2FC.
5.50 p.m.—The "Hello Man" talks to the children.
5.50 p.m.—A serial story: "David's Big Brother."
6.40 p.m.—Dinner story.
7 p.m.—"Big Ben." Late sporting information.
7.10 p.m.—Dalgety's Market Reports, wool, wheat and cereals.
7.16 p.m.—Fruit and Vegetable Markets.
7.20 p.m.—Weather and Shipping Intelligence, Stock Exchange information.
7.26 p.m.—Late "Evening News" service.

NIGHT SESSION.

7.45 p.m.—Programme announcements.
7.45 p.m.—Music detail of the official opening of Federal Parliament at Canberra.
8 p.m.—"Big Ben." FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY: Items by the Operatic Orchestra under the baton of Mr. Stanley Porter.
8.10 p.m.—Madame Vera Tasma, soprano.
8.14 p.m.—Mr. Gladstone Bell, cellist:
"La Priere" (Squire).
8.10 p.m.—FROM THE BAPTIST HALL, ULTIMO: A Programme supplied by the Sydney Harmonic Choir, conducted by Mr. William Bourne.
8.35 p.m.—FROM THE STUDIO:
Mr. Ad Cree, Scotch comedian:
(a) "The Mayor" (Grant).
(b) "A Socialist man the Front" (Cree).
8.43 p.m.—Mr. Alfred O'Shea, Australia's foremost tenor.
8.53 p.m.—Mr. Gladstone Bell, cello solo:
"Chanson Villagino" (Popper).
8.58 p.m.—Madame Vera Tasma, soprano.
9.4 p.m.—Mr. Norman Janson, baritone.
9.16 p.m.—Mr. Ad Cree, Scotch comedian:
"The Brew Scotch Laddie" (Hidgwell).
9.29 p.m.—FROM THE BAPTIST HALL, ULTIMO: Items by the Sydney Harmonic Choir, conducted by Mr. William Bourne.
9.30 p.m.—FROM THE STUDIO:
Mr. Gladstone Bell, cello solo:
"Kol Nidrei" (Bruch).
9.48 p.m.—Mr. Alfred O'Shea, Australia's foremost tenor.
9.58 p.m.—Madame Vera Tasma, soprano.
10 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY:
Items by the Operatic Orchestra of 20 members, conducted by Mr. Stanley Porter.
10.10 p.m.—Mr. Ad Cree, Scotch comedian.
10.12 p.m.—The Haymarket Operatic Orchestra under the baton of Mr. Stanley Porter.
10.30 p.m.—FROM THE STUDIO:
Late News and announcements.
10.24 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY:
The new Wentworth Symphonic Dance Orchestras conducted by Mr. Frederick Leigh.
10.45 p.m.—Celebrity records from the Studio.
10.52 p.m.—The new Wentworth Symphonic Dance Orchestras in popular numbers until 11 p.m.
11 p.m.—"Big Ben."
National Anthem.
Close down.

2BL, SYDNEY

Monday.

10.45 a.m.—Description of the opening of the Federal Parliament, at Canberra, by His Royal Highness the Duke of York.
12 noon.—G.P.O. clock and chimes.
12.1 p.m.—Special ocean forecast and weather report.
12.25 p.m.—Information—mails and shipping and movements of important ships.
12.6 p.m.—Sydney Stock Exchange calls.
12.8 p.m.—Boats in call by wireless.
12.10 p.m.—Musical programme from the Studio.



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- 12.20 p.m.—Fruit market report.
 12.21 p.m.—Vegetable market report.
 12.22 p.m.—London metal market report.
 12.24 p.m.—Dairy and farm produce market report.
 12.27 p.m.—Racing resume.
 12.30 p.m.—G.P.O. clock and chimes.
 12.31 p.m.—Musical programme from the Studio.
 12.40 p.m.—Sporting information ("Sun").
 12.45 p.m.—Hillier's Instrumental Quartette—Direction, Carpi Casalin.
 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 p.m.—Racing information broadcast 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 on "Motoring," by Miss Varley, Broadcasters' women's society authority.
 Social notes— Replies to correspondents.
 Talk by Mrs. Jurion.
 2.4 p.m.—G.P.O. clock and chimes.
 2.51 p.m.—Musical programme from the Studio.
 2.55 p.m.—News from the "Sun."
 3.30 p.m.—G.P.O. clock and chimes.
 3.31 p.m.—Talk on "The Grand Opera," illustrated by H.M.V. Records.
 3.50 p.m.—News from the "Sun."
 4 p.m.—G.P.O. clock and chimes.
 4.1 p.m.—Musical programme from the Studio.
 4.15 p.m.—Serial story.
 4.30 p.m.—G.P.O. clock and chimes.
 4.31 p.m.—Musical programme from the Studio.
 4.41 p.m.—News from the "Sun."
 4.50 p.m.—Racing resume.
 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.
 5.45 p.m.—Daddy Longlegs will entertain the kiddies.
 5.40 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. clock and chimes.
 Australian Mercantile, Land and Finance Co.'s report.
 Weather report and forecast by courtesy of Government Meteorologist.
 Producers' Distributing Society's fruit and vegetable market report.
 Stock Exchange reports.
 Grain and fodder report ("Sun").
 Dairy produce report ("Sun").
 7.15 p.m.—Books to read.
 7.30 p.m.—Country news from the "Sun."
 8 p.m.—G.P.O. clock and chimes.
 Broadcasters' Topical Chorus.
 8.2 p.m.—Newtown Band broadcast from Industrial Hall, Newtown.
 8.23 p.m.—Mr. Phil Mountain, comedian.
 8.30 p.m.—Miss Mab Fotheringham, soprano.
 8.37 p.m.—Mr. Reg Harrison, comedian.
 8.44 p.m.—Mr. Raimund Pechosch, violinist.
 8.59 p.m.—Weather report and forecast by courtesy of Mr. C. J. Maves, Government Meteorologist.
 9 p.m.—G.P.O. clock and chimes.
 Resume of following day's programme.
 9.5 p.m.—Miss Edna Lister, contralto.

- 9.12 p.m.—Mr. David Smith, baritone.
 9.19 p.m.—Madame Phyllis Rowe, soprano.
 9.26 p.m.—Newtown Band.
 9.40 p.m.—Moruthy Manning and Harry Graham in song and story.
 10.1 p.m.—Mr. Phil Mountain.
 10.8 p.m.—Miss Mab Fotheringham.
 10.16 p.m.—News reports by courtesy of the "Sun."
 10.23 p.m.—Mr. Reg Harrison.
 10.30 p.m.—Miss Edna Lister.
 10.37 p.m.—News items.
 10.45 p.m.—Mr. David Smith.
 10.53 p.m.—Madame Phyllis Rowe.
 11 p.m.—G.P.O. clock and chimes.
 National Anthem.

2GB, SYDNEY

Monday.

- 5 a.m.—Music.
 9.5 a.m.—Cheerio Talk.
 9.25 a.m.—Music.
 9.40 a.m.—Psychological Class.
 9.45 a.m.—Music.
 9.50 a.m.—Health Talk.
 10 a.m.—Close down.
 AFTERNOON SESSION.
 2.30 p.m.—Music.
 3.37 p.m.—Talk Mrs. Hunt.
 3.58 p.m.—Music.
 4.27 p.m.—Mrs. Marie McLennan.
 4.33 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.
 7.35 p.m.—Talk to men.
 7.55 p.m.—Instrumental Trio, DAN SCULLY, MURIELLE LANG, ADA BROOK.
 8.5 p.m.—Address by Professor Ernest Wood.
 8.20 p.m.—Songs by Mr. W. J. Stelzer.
 1.
 8.28 p.m.—Instrumental Quartette: DAN SCULLY, MONICA HORDER, MURIELLE LANG, ADA BROOK.
 8.55 p.m.—Announcements.
 9 p.m.—Topical Talk.
 9.15 p.m.—Violin solos by Monica Horder.
 9.23 p.m.—Songs by Mr. W. J. Stelzer.
 1.
 9.33 p.m.—Instrumental Quartette: DAN SCULLY, MONICA HORDER, MURIELLE LANG, ADA BROOK.
 9.45 p.m.—Cello Solos by MURIELLE LANG.
 9.59 p.m.—Cheerio Talk.
 10 p.m.—God Save the King.

3LO, MELBOURNE

Monday.

MORNING SESSION.

- 10 a.m.—Description of the Opening of Parliament at Canberra, by HIS ROYAL HIGHNESS THE DUKE OF YORK.
 RAYMOND LAMBERT, Piano.
 GRACE AND KEATS.
 BESSIE GAUNSON, Violin.
 O'MARA AND BURKE.
 THE STUDIO ORCHESTRA.
 Accompanists: AGNES FORTUNE
 Announcer: ALFRED ANDREW
 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.—RAYMOND LAMBERT, Piano: "Study in E Minor" (Chopin).
 "Value in E Flat" (Chopin).
 12.30 p.m.—STUDIO ORCHESTRA: Selection, "La Boheme" (Puccini).
 12.40 p.m.—Stock Exchange information.
 12.50 p.m.—GRACE AND KEATS: "In Harmony."

- 12.57 p.m.—BESSIE GAUNSON, Violin: "Faldemar" (Haman).
 1.3 p.m.—STUDIO ORCHESTRA: Selection, "Maid of the Mountains" (Fraser-Simson).
 1.14 p.m.—Meteorological information, Shipping intelligence, Weather forecasts for Victoria, Tasmania, South Australia, and New South Wales; Ocean forecast. River reports.
 1.20 p.m.—O'MARA AND BURKE, Entertainers from the Emerald Isle: ANNA BURKE, "Hills of Donegal" (Anderson).
 OAS O'MARA has a Story or two.
 STUDIO ORCHESTRA: "Irish Airs."
 CHAS. O'MARA, Baritone: "Maiden's Ball" (Weston and Lees).
 1.35 p.m.—STUDIO ORCHESTRA: Suite, "Cockles Suite" (Kees Iberg).
 1.50 p.m.—RAYMOND LAMBERT, Piano: "Sons Boie."
 "Liebestraum" (Liszt).
 2 p.m.—Close down.

AFTERNOON SESSION.

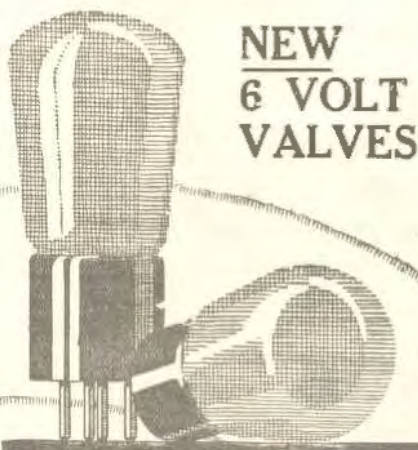
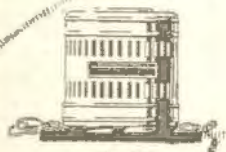
- Speakers: MRS. DOROTHY SILK.
 MISS FLORA PELL.
 THE STUDIO ORCHESTRA.
 ESTELLE MARK TROTT.
 TASMA TIERNAN, Cello.
 MADAM LAMBERT, Soprano.
 PAUL DE RAYONNE, Tenor.
 C. RICHARD CHUGG, Flute.
 Accompanists: AGNES FORTUNE
 Announcer: ALFRED ANDREW
 DOMESTIC ART AND SCIENCE.
 2 p.m.—STUDIO ORCHESTRA: Suite, "Urnberg" (Ringh).
 2.10 p.m.—MRS. DOROTHY SILK: "Homcrafts."
 2.25 p.m.—ESTELLE MARK TROTT: Song, "Mattinata" (Tozzi).
 Piano, "Frelude" (Chopin).
 Song, "Last Year's Sweetheart" (Lahri).
 2.40 p.m.—TASMA TIERNAN, Cello: "Allerretto" (Mozart).
 3.47 p.m.—MADAME LAMBERT: "Maurybaeneni" (Brhams).
 "Brecons."
 3.54 p.m.—STUDIO ORCHESTRA: Suite, "In Sunny Spain," Part 1 (Elhott).
 4.3 p.m.—PAUL DE RAYONNE, Tenor: "Oh in the willy night" (Moore).
 "The Minister Boy" (Moore).
 4.11 p.m.—C. RICHARD CHUGG: "Pastoral and Bursee" (German).
 4.18 p.m.—MADAME LAMBERT: "Bimi Bimoo" (Lencavallo).
 "Scrende Francesee" (Lencavallo).
 4.25 p.m.—STUDIO ORCHESTRA: "In Sunny Spain," Part 2.
 4.30 p.m.—PAUL DE RAYONNE, Tenor: "Relieve Me if all those Endearing Young Charms."
 "Molly Bawn" (Moore).
 4.37 p.m.—MISS FLORA PELL: "Domestic Science."
 4.45 p.m.—"Herald" news service, Stock Exchange information.
 5 p.m.—Close down.
 EVENING SESSION.
 Accompanists: ELSIE BRADSHAW
 5.50 p.m.—CHILDREN'S HOUR. Answers to Letters and Birthday Greetings.
 5.53 p.m.—BASIL TASKER, Elocutionist: "When Your Pants begin to Go."
 "Two Soldiers."
 6.3 p.m.—"LITTLE MISS KOOKABURRA" will tell her Kookaburraettes about "Pussy" again and how he bathed the twins.
 6.12 p.m.—GRACE AND KEATS have two little songs to sing to the children.
 6.19 p.m.—"LITTLE MISS KOOKABURRA" will tell the elder children about "Princess Lawings."
 A Native Fairy Story. (W. Hensell Hall, M.A.).
 6.35 p.m.—"Argus" news service, "Herald" news. Weather synopsis, Shipping movements.
 6.47 p.m.—Stock Exchange information.
 6.53 p.m.—Fish Market reports by J. R. Borrett, Ltd.
 6.55 p.m.—River reports.

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FROM ALL DEALERS.**PHILIPS**

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

1.5 p.m.—Fish Market reports by the Victorian Wholesale Fishers' Association, compiled by the "Fruit World," exclusive to 3.0.

NIGHT SESSION.

- MR. E. J. POWER;
- MR. E. C. H. TAYLOR.
- MR. F. DE CASTELLA.
- DR. BROOKE NICHOLLS.
- AL KARASICK.
- THE BRUNSWICK CITY BAND.
- ESTELLE MARK TRIO.
- EUGENIE DUGGAN.
- MADAM LAMBERT, Soprano.
- FRANK AND FRANCIS LUIZ.
- ERNEST WILSON, Baritone.
- "THE FUTURISTS."

MISS LEE WHITE AND MR. CLAY SMITH
MISS IDA NEWTON AND MR. JOE BRENNAN.

JOE ARONSON AND HIS SYMPOCATING SYMPOHONISTS.

Accompanist: AGNES FORTUNE
Announcer: EUGENIE DUDLEY

1.15 p.m.—Under the Auspices of the Develop Australia League, MR. E. J. POWER will speak on

"The Virtue of Austerity."
1.20 p.m.—MR. E. C. H. TAYLOR will speak on "School Life and School Sport."

1.45 p.m.—Under the auspices of the Department of Agriculture, MR. F. DE CASTELLA, Vice-Minister:

8 p.m.—DR. BROOKE NICHOLLS:
"A Coral Island in the Making."
A FITTING CLOSE TO A HISTORIC DAY.

1.15 p.m.—BRUNSWICK CITY BAND
Section, "Waltz Melodias" (Bozack).

1.25 p.m.—ESTELLE MARK TRIO:
"A Quarter of an Hour with GRIGG."
1.40 p.m.—BRUNSWICK CITY BAND:

March, "Slaughter" (Bismar).

1.45 p.m.—It is our great pleasure to introduce to you to-night, MISS LEE WHITE AND MR. CLAY SMITH, who will entertain you with songs from their repertoire.

1.55 p.m.—EUGENIE DUGGAN, Elocutionist; Death of "Mammoth" (Longfellow).

2 p.m.—MADAME LAMBERT, Soprano; "Habenera" (Carmen).

2.05 p.m.—It is our pleasure in introducing MR. JOE BRENNAN, the famous Pan-American Dame, and his partner, MISS IDA NEWTON, who will entertain you for a few minutes:

"Ten Cuts,"
"Little by Little,"
Veteran Study Recitation—"I Forgot."

2.25 p.m.—AL KARASICK, the World Famous Wrestler, will speak on Physical Culture.

2.35 p.m.—MADAME LAMBERT, Soprano; "Enfant Prodiges" (Dubuoy).

2.55 p.m.—BRUNSWICK CITY BAND:
Waltz, "Blumen am Wege" (Keller).

3 p.m.—It is also our pleasure to-night to introduce to you the Hawaiian Entertainers, FRANK AND FRANCIS LUIZ:

Duet, "Hana Lei,"
Song, "Kuu Home,"
Solo Guitar, "Waltz Medley,"
Duet, "Alaha Baby Boy."

3.15 p.m.—British Official Wireless news from Rugby. "Argue" news service. Announcements.

3.25 p.m.—ERNEST WILSON, Baritone; "Thanks for a God" (Dickson),
"Trumpeter" (Dix).

3.45 p.m.—"THE FUTURISTS" present their Radio Revue, "HULLO EVERYBODY." "The Futurists" say "Hullo" to all listeners. DYSMAL BRENNAN and CYRIL NORTHCOTE have a few words together.

IRA VANDA sings, "Talking to the Moon." A Sketchette of the Eternal Triangle—The Sequel.

THE Kissing Lovers.
IRA VANDA and GUS DAWSON.
The Band—CYRIL NORTHCOTE
GUS DAWSON calls IRA VANDA "Sweetie" and tells her the same old story.

DESSY and the Company in a Nautical Finale "OFF TO SEA."

3.55 p.m.—BRUNSWICK CITY BAND.
Fantasia, "The Old Rustic Bridge" (Walton) March, "The Middy" (Allford).

4.05 p.m.—Meteorological information. Announcements.

4.1 p.m.—OUR GREAT THOUGHT:
"The greatest difficulties lie where we are not looking for them"—Goethe.

4.15 p.m.—JOE ARONSON AND HIS SYMPOCATING SYMPOHONISTS:
By the Sign of a Rose" (Fields).

"Sunday" (Miller),
"Hello, Aloha" (Hale),
"The Original Black Bottom" (Handerson),
"I'm on My Way Home" (Berlin),
"Let's all Henry Ford" (Leslie),
"Ruffenreddy"—Piano Solo (Razzy),
"The More We are Together" (Campbell),
"Mary Lou" (Lyman),
"Ting a Ling Watz of the Bells" (Britt),
"Baby Face" (Aksel),
"Somebody's Lonely" (Davis),
"A Cup of Coffee, a Sandwich, and You" (Meyer),
"Just a Bird's Eye View" (Donaldson),
"Just One More Kiss" (Owens).

4.30 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Monday.

MORNING SESSION.

SPECIAL BROADCAST.
THE OFFICIAL OPENING OF THE COMMONWEALTH PARLIAMENT.

The Official Opening of the Commonwealth Parliament at Canberra, which will be performed by His Royal Highness the Duke of York, will be relayed direct from Canberra.

The speech of His Royal Highness will be broadcast, and solo by Dame Nellie Melba will be included in the official programme.

Trunk line communication between Canberra and Station 4QG has been arranged by the Postmaster-General's Department.

10.45 a.m.—From Canberra: Official Opening of the Commonwealth Parliament by His Royal Highness the Duke of York; Solos by Dame Nellie Melba.

12 noon.—Close Down.

MIDDAY SESSION.

1.0 p.m.—Market Reports: Weather Information 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 played by Hotel Carlton Symphony Orchestra.

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

2.0 p.m.—Close Down.

AFTERNOON SESSION.

2.30 p.m.—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.—News Services Supplied by "The Daily Standard."

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

7.0 p.m.—Market Reports: Block Reports.
7.30 p.m.—Weather News; Announcements.
7.45 p.m.—Standard Time Signal.

7.45 p.m.—Lacurette, "The Children's Music Corner," conducted by "The Music Man."

NIGHT SESSION.

THE FEDERAL BAND
8.0 p.m.—March, "Viva Birkenhead" (Richardson), the Federal Band conductor, Mr. W. H. Davis; contralto solo, "Dear Little Mother of Mine" (Sterling); Miss Berenice Berg; selection, "Gems from Bohemian Girl" (Halle); the Federal Band; baritone solo, "The Lute Player" (Alltman); Mr. A. V. James; solo, "Gold and Silver" (Licht).

the Federal Band; tenor solo, "My Mother's Rosary," Mr. Gerald Cushman; intermezzo, "Camilla" (Bone); the Federal Band; a thought for to-night by Will H. Lister, "Kindness"; vocal duet, "I Know a Bank" (Horn); Miss Dorothy Brown (contralto), and Miss Mary McNeill (soprano), winners of Glympo Contest; fox-trot, "You Can't Beat An Old Boss Fly" (Wilner); the Federal Band.

8.0 p.m.—Metropolitan Weather Forecast; THE STUDIO ORCHESTRA: Overture, "The Golden Magnet" (Bennett); the Studio Orchestra; vocal solo, "I'm Waiting for Ships" (Olman); Miss Berenice Berg; instrumental duet, "Serenade" (Vaigt); Mrs. C. Williams (violin); and Mr. C. Hansen (pianist); accompanied by the Studio Orchestra; burlesque solo, "The Yeoman of England" (German); Mr. A. V. James; cello de ballet, "Lullaby" the Studio Orchestra; tenor solo, "Little Town in Old County Down" (Sanders); Mr. Gerald Cushman; Berenice, "Chanson de Noel" (Beaumont); the Studio Orchestra; vocal duet, "As I Went a-Rooming" (Brady); Miss Dorothy Brown and Miss Mary McNeill; entrance, "Korndie" (Burgman); the Studio Orchestra; soprano solo, "Rose Marie"; Miss Ellen McLennan; orchestra fox-trot: (a) "Then 'I'll Be Happy," (b) "To-night's My Night With Betsy," one-step, "Le Chit" (Morse).

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

5CL, ADELAIDE

Monday.

SPECIAL SESSION.

6.45 a.m.—Musical items from the Studio.

10.15 p.m.—To afford all wireless listeners-in in the Commonwealth an opportunity of hearing the scenarists and incidents connected with the opening of the Federal Parliament at Canberra by their Royal Highness the Duke and Duchess of York, the Commonwealth Government has made provision for all "A" class stations to broadcast this unique event.

12 noon.—G.P.O. chimes and close down.

MORNING SESSION.

12.30 p.m.—G.P.O. chimes.

12.51 p.m.—Recitals on the "New Reproducing Gramophone" and the "Autophone Reproducer."

12.45 p.m.—"Advertiser" news service.

1.30 p.m.—Musical programme continued.

2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. chimes.

3.15 p.m.—Relay from the Maple Leaf Cafe—Orchestral items.

3.45 p.m.—From the Studio—Musical items.

4 p.m.—G.P.O. chimes.

4.1 p.m.—Relay from the Arcadia Cafe—Orchestral items.

4.55 p.m.—Station announcements.

5 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

6 p.m.—G.P.O. chimes.

6.15 p.m.—Dinner music by Covent Garden Orchestra.

6.50 p.m.—Beltime stories.

7.30 p.m.—Market reports.

8.0 p.m.—G.P.O. chimes.

8.1 p.m.—Song, Miss Phyllis Gibbs.

8.5 p.m.—Violin solo, Mr. James Giannou.

9.10 p.m.—Song, Miss Yelda Harvey.

9.14 p.m.—Cello solo, Mr. G. Goldsworthy.

9.20 p.m.—"Trumpeter," original humorous talk (Mr. F. J. Miles).

9.40 p.m.—Song, Mr. Don Ferris.

9.44 p.m.—Pianoforte solo, Miss Lucy Kaglia.

9.48 p.m.—Comedy sketch, Mr. W. Range.

9 p.m.—G.P.O. chimes.



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- 8.1 p.m.—Weather reports.
 9.2 p.m.—Dalgely's wheat report.
 9.4 p.m.—Song, Miss Phyllis Gibbs.
 9.6 p.m.—Cello solo, Mr. G. Goldsworthy.
 9.12 p.m.—Song, Miss Valda Harvey.
 9.16 p.m.—Talk arranged by Messrs. E. A. Cheney (S.A.), Ltd.
 9.30 p.m.—Song, Mr. Don Ferris.
 9.34 p.m.—Comedy sketch.
 9.42 p.m.—Song, Miss Phyllis Gibbs.
 9.46 p.m.—Violin solo, Mr. J. Glennon.
 9.50 p.m.—Song, Miss Valda Harvey.
 9.58 p.m.—Cello solo, Mr. G. Goldsworthy.
 10 p.m.—G.P.O. chimes.
 10.1 p.m.—"Advertiser" news service.
 10.15 p.m.—Song, Mr. Don Ferris.
 10.19 p.m.—Comedy sketch, Mr. W. Hunter.
 10.26 p.m.—Pianoforte solo, Miss Lucy Foglia.
 10.30 p.m.—Mr. and Mrs. Hubert Carmichael's Dance Orchestra from Obovras Hall.
 11 p.m.—G.P.O. chimes and close down.

GWF, PERTH

Monday.

- 12.30 p.m.—Tune 7a.
 12.35 p.m.—First local news bulletin.
 Market reports.
 Cables.
 1 p.m.—Time signal from Perth Observatory.
 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 1.2 p.m.—Studio Quintette.
 1.3 p.m.—Close down.
 2.30 p.m.—Tune 7b.
 2.35 p.m.—Musical programme, including pianoforte selections, by Miss Evelyn Willis, A.R.C.M.
 4 p.m.—Studio Trio.
 4.30 p.m.—Close down.
 6.45 p.m.—Tune 7c.
 6.50 p.m.—Stories for tiny tots by Auntie Kate and Uncle Duffy.
 7.20 p.m.—Stock and Share intelligence.
 Market reports.
 Cables. News supplied by the courtesy of "The West Australian" Newspaper Co.
 7.45 p.m.—Bee Keeping talk by Mr. C. Walslow, under auspices of the Bee Keepers' Association.
 8 p.m.—Time signal from Perth Observatory.
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 9.2 p.m.—Concert from the Studio.
 Musical programme, including arias.
 10 p.m.—Second local news bulletin, supplied by courtesy of "The Daily News" Newspaper Co.
 10.30 p.m.—Close down.

Tuesday, May 10 2FC, SYDNEY

MIDDAY SESSION.

- 12 noon—"Big Ben" and 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.
 12.25 p.m.—Summary of "Sydney Morning Herald" news service and cables.
 Rugby wireless news.
 12.35 p.m.—Miss Nellie Judges, soprano: "A Persian Fable" (Rothbe).
 12.40 p.m.—Studio music.
 1 p.m.—"Big Ben" Weather intelligence.
 1.5 p.m.—"Evening News" midday news service.
 Producers' Distributing Society's Report.
 1.30 p.m.—Studio music.
 1.35 p.m.—Stock Exchange second call.
 1.39 p.m.—Marching music for school children.
 1.40 p.m.—Miss Nellie Judges, soprano: "Greatest Wish in the World" (Riego).
 1.45 p.m.—Studio music.
 1.53 p.m.—Last minute sporting information by the 2FC Racing Commissioner.
 Close down.

AFTERNOON SESSION.

- 2 p.m.—"Big Ben" and announcements.
 2.3 p.m.—A recital by the pupils of Mrs. Stuart Doyle.
 3.30 p.m.—Marching music for school children.
 3.45 p.m.—FROM FARMER'S TEA ROOMS: Miss Ellen Crowley, soprano: "Chanson de Florian" (Godard).
 3.45 p.m.—A TALK ON HOME COOKING AND RECIPES BY MISS RUTH PURST.
 4 p.m.—"Big Ben" and announcements.
 4.10 p.m.—FROM FARMER'S TEA ROOMS: Mr. Frank Botham, baritone: "Song of Hybras" (Elliot).
 4.5 p.m.—Further items from the pupils of Mrs. Stuart Doyle.
 4.55 p.m.—FROM FARMER'S TEA ROOMS: Miss Ellen Crowley, soprano: "The Thrush to His Love" (Asylward).
 4.55 p.m.—Studio music.
 4.59 p.m.—Miss Gladys Finlater, soprano: "If Thou Wert Blind" (Johnson).
 4.59 p.m.—Studio music.
 4.40 p.m.—FROM FARMER'S TEA ROOMS: Mr. Frank Botham, baritone: "Floral Dance" (Woss).
 4.45 p.m.—Stock Exchange, third call.
 4.47 p.m.—Miss Gladys Finlater, soprano: "May Dream" (Phillips).
 4.50 p.m.—Studio music.
 5 p.m.—"Big Ben", Close down.

EARLY EVENING SESSION.

- 6.45 p.m.—The Chimes of 2FC.
 6.50 p.m.—The "Hello Man" talks to the children.
 8.50 p.m.—A serial story, "David's Big Brother."
 6.40 p.m.—Ugner music.
 7 p.m.—"Big Ben", Late Sporting News.
 7.10 p.m.—Dalgely'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.
 7.36 p.m.—Late "Evening News" news service.

EVENING SESSION.

- 7.40 p.m.—Programme announcements.
 7.45 p.m.—FROM THE SYDNEY TOWN HALL: THE GREAT PUBLIC DEMONSTRATION BY THE CENTRAL METRO-DIST MISSION.
 The Augmented Choir will sing: "Hallelujah Chorus" (Handel).
 "Be Not Afraid" (Mendelssohn), under the conductorship of Mr. V. W. Petersen, B.A., with Miss Constance Dardeley at the Organ.
 Specialist: Rev. C. Irving Benson.
 Hon. Albert Brantnell, M.L.A.
 Soloists: Miss Elsie Pindley, soprano, Mr. Oliver King, basso.
 Chairman: H. M. Hawkins, Esq., J.P.
 The Rev. H. C. Foreman, M.A., will present the Report.
 8.15 p.m.—FROM THE DARLINGTON TOWN HALL: The Metropolitan Band:
 (a) March, "The Acropolis" (Carter).
 (b) Waltz, "The Merry Widow" (Lohar).
 8.28 p.m.—FROM THE STUDIO:
 Miss Muriel Bosley, soprano: "The Lass with the Delicate Air" (Arner).
 8.31 p.m.—FROM THE DARLINGTON TOWN HALL: The Metropolitan Band:
 (a) Fox Trot, "Bye Bye, Goodnight" (Dixon).
 (b) Fantasia, "Columbia" (Round).
 8.47 p.m.—FROM THE STUDIO:
 Mr. Charles Lawrence, entertainer: "Tameful Treatment" (Pearson).
 8.55 p.m.—FROM THE DARLINGTON TOWN HALL: The Metropolitan Band:
 (a) Song Hit, "In a Little Spanish Town" (Wayne).
 (b) Intermezzo, "Evening Belle" (Rimmer).
 9.7 p.m.—FROM THE STUDIO:
 Miss Muriel Bosley, soprano: (a) "Butterfly Wings" (Phillips).
 (b) "Sylvain" (Sinding).
 9.15 p.m.—Mr. St. Quintin Downer, pianoforte solo:
 (a) "Gavotte" (Gluck-Brahms).
 (b) "Scherzo Op. 81" (Beethoven).
 9.21 p.m.—FROM THE DARLINGTON TOWN HALL: The Metropolitan Band:
 Selection, "Operatic Beauties" (Dugliani).

- 9.35 p.m.—FROM THE STUDIO:
 Miss Muriel Bosley, soprano: "It is not because your heart is mine" (Lohr).
 9.38 p.m.—Mr. Scott Alexander will present another of Martin Mack's Topical Comedy Radio Disertations, entitled: "DO GENTLEMEN PREFER BLONDES?" written specially for broadcasting by Codrington Hall.
 9.45 p.m.—THE METROPOLITAN BAND, playing from the Darlington Town Hall: March, "Viscount Nelson" (Gleib).
 9.53 p.m.—FROM THE STUDIO:
 Mr. Charles Lawrence, entertainer: "Charge of the Light Brigades" (Cherrie).
 9.58 p.m.—Mr. Oliver King, basso: (a) "Confucius" (from Verdi's "Requiem") (Verdi).
 (b) "The Ginchy Road" (Edward).
 10.1 p.m.—Mr. St. Quintin Downer, pianoforte solo:
 (a) "Fileme" (Raff).
 (b) "Staccato Etude" (Rubinstein).
 10.15 p.m.—Mr. Charles Lawrence, entertainer: "Shopping" (Stanley).
 10.20 p.m.—Mr. Oliver King, basso:
 (a) "Sweet Song" (Hoher).
 (b) "Michael O'Milligan" (Fox).
 10.25 p.m.—A new Radio Comedy by Codrington Hall—specially written for broadcasting—entitled:

BERTHA—BEWITCHED AND BEWILDERED."

- Characters:
 SHAKESPEARE SPOOFINGTON (mistaken for a burglar), Mr. Scott Alexander.
 BERTHA NERVONOUS, Miss Ruth Wilson.
 Scene: "Bongo House," Varieties.
 Time: 10 p.m.
 10.48 p.m.—Late news and announcements.
 10.50 p.m.—FROM THE W. N. WORTH CAFE, CHURCH HILL, SYDNEY:
 The Westworth Symphonium Organ Orchestra, under the baton of Mr. Frederick Leighton, will be heard in popular numbers until 11 p.m.
 11 p.m.—"Big Ben," National Anthem.
 Close down.

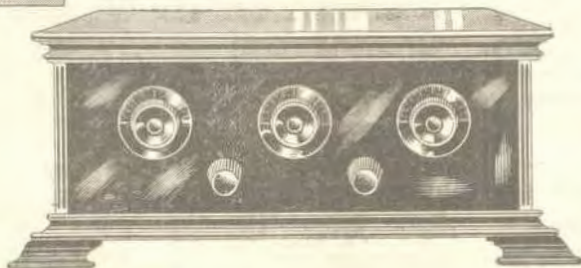
2BL, SYDNEY

Tuesday.

DAY SESSION.

- 12 noon—G.P.O. Clock and Chimes.
 12.1 p.m.—Special Ocean Forecast and Weather Report.
 12.5 p.m.—Information—Mails and Shipping and Movements of important Ships.
 12.5 p.m.—Sydney Stock Exchange Calls.
 12.5 p.m.—Busta 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.
 12.22 p.m.—London Metal Market Report.
 12.24 p.m.—Dairy and Farm Produce Market Report.
 12.27 p.m.—Racing returns.
 12.30 p.m.—G.P.O. Clock and Chimes.
 12.31 p.m.—Musical programme from Studio.
 12.40 p.m.—Sporting information ("Sun").
 12.45 p.m.—Hilliers Instrumental Quartet: Director, Caryl Cassing.
 1.30 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.
 Racing Intelligence 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).
 Replies to correspondents—Social Notes, Talk on "Medical Jerk" by K. R. Adams, A.M.A.
 3 p.m.—G.P.O. Clock and Chimes.
 3.1 p.m.—Musical programme from Studio.
 3.15 p.m.—Civil Service Stores' Trio: direction, Miss De Courcy Bremer.

FORMICA



RADIO PANELS & TUBES

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8.30 p.m.—G.P.O. Clock and Chimes.
 8.31 p.m.—News from "Sun."
 8.40 p.m.—Musical programme from Studio.
 8.50 p.m.—News from the "Sun."
 4 p.m.—G.P.O. Clock and Chimes.
 4.1 p.m.—Civil Service Stores Trio.
 4.13 p.m.—Serial Story.
 4.20 p.m.—G.P.O. Clock and Chimes.
 4.21 p.m.—Musical programme from the Studio.
 4.31 p.m.—News from "Sun."
 4.50 p.m.—Hazel returns.
 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.
 4.57 p.m.—Special Ocean Forecast.
 5 p.m.—G.P.O. Clock and Chimes; close down.

EARLY EVENING SESSION.

6.45 p.m.—G.P.O. Clock and Chimes.
 6.48 p.m.—Uncle George and the Kiddies.
 6 p.m.—The Pupils of Miss Monica Scully will entertain the Kiddies.
 6.49 p.m.—Musical programme from 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 Capt. Met.
 Producers' Distributing Society's Fruit and Vegetable Market Reports.
 Stock Exchange Reports.
 Grain and Fodder Report ("Sun").
 Dairy Produce Report ("Sun").
 7.15 p.m.—Country News from the "Sun."
 7.30 p.m.—Talk on "The Motor Car" by Mr. Martin.
 8 p.m.—G.P.O. Clock and Chimes.
 Broadcasters' Tonal Chorus.
 8.3 p.m.—Song Cycle, "In a Persian Garden" (Lila Lehmann).
 Soloists, Soprano (Helena Stewart), contralto (Amy Defina), tenor (Lance Jeffers), bass (Peter Sutherland).
 8.46 p.m.—Mr. Leonard Mars (baritone).
 8.55 p.m.—Resume of following Day's Programme.
 Weather Report and Forecast by courtesy of Mr. C. J. Miles, Chief Meteorologist.
 9 p.m.—G.P.O. Clock and Chimes.
 9.1 p.m.—Broadcasters' Miniature Orchestra under the direction of Mr. J. Knight Barnett.
 9.11 p.m.—Miss Winifred Jenner (soprano).
 9.18 p.m.—Madame Betty Vincent in a Piano Recital.
 9.43 p.m.—Duet, Miss Amy Ouligin and Mr. Peter Sutherland.
 9.52 p.m.—Miss Helena Stewart.
 9.55 p.m.—Mr. Lance Jeffers.
 10 p.m.—G.P.O. Clock and Chimes.
 10.1 p.m.—Miss Winifred Jenner.
 10.8 p.m.—Mr. Leonard Mars.
 10.15 p.m.—The Ambassadors Dance Band broadcast from the Ball Room of the Ambassadors. During intervals between dance News Reports by courtesy of the "Sun Newspapers" will be broadcast.
 11 p.m.—G.P.O. Clock and Chimes.
 National Anthem.

3LO, MELBOURNE

Tuesday.

FRANK AND FRANCIS LUIZ.
 NELL CRANE, Comedian.
 EUGENIE DUGGAN, Elocutionist.
 SYD BECK, Comedian.
 "THE FUTURISTS."
 Speaker: CAPTAIN DONALD MACLEAN.
 THE STUDIO ORCHESTRA.
 Accompanists AGNES FORTUNE
 Announcer ALFRED ANDREW
 A REVEALING HOUR.
 11 p.m.—The Studio British Official Wireless news from Rugby, Reuters' and The Australian Press Association Cables. "Argus" and "Herald" news services.

12.30 p.m.—FRANK AND FRANCIS LUIZ, Hawaiian Entertainers:
 Duets, "Wei Au La Oe."
 Song, "Hawai Across the Sea."
 Steel Guitar, "Hawaiian Love."
 Duets, "Drifting and Dreaming."
 12.35 p.m.—STUDIO ORCHESTRA:
 "Two Nocturnes" (Amplified).
 12.40 p.m.—Stock Exchange information.
 12.50 p.m.—NELL CRANE, Comedian:
 "The World's All Right" (Bert Loe).
 "I'd Thought I'd Die" (Henderson).
 12.57 p.m.—EUGENIE DUGGAN, Elocutionist ("The Sun"):
 "His First Long Trousers."
 1.7 p.m.—SYD BECK, Comedian:
 "Selections from his repertoire."
 1.15 p.m.—Meteorological information, Shipping intelligence, Weather forecast for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast. River reports.
 1.23 p.m.—STUDIO ORCHESTRA:
 "Dull Orbits" (Bruno Labate).
 1.30 p.m.—CAPTAIN DONALD MACLEAN:
 "Hispaniola and the Origin of the "Buccaners."
 1.45 p.m.—"THE FUTURISTS," present their Radio Revue, "SNACKS":
 Opening Chorus.
 CYRIL NORTHCOTE, tells about "The Stage Hand"
 GUS DAWSON, sings about his "Big Blonde Mamma," and follows with a dance.
 A Sketch by IRA MANDA, CYRIL NORTHCOTE and DISMAL DESMOND.
 Finale by "The Futurists": "Shine."
 2 p.m.—Close down.
 Results of the Coleraine Races will be given as they come to hand.

AFTERNOON SESSION.

Speakers:
 "AU FAIT."
 MATRON MORELAND.
 O'MARA AND BURKE.
 ELLIS PRICE, Elocutionist.
 WALTER SMITH, Corner.
 JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 JOE BRENNAN AND IDA NEWTON.
 Accompanists AGNES FORTUNE
 Announcer ALFRED ANDREW
 POPULARITIES.
 3 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Barquero" (Malk).
 "Bye Bye, Blackbird" (Dixon).
 "To-Night's My Night with Baby" (Major).
 3.10 p.m.—O'MARA AND BURKE, Entertainers from the Emerald Isles:
 ANNA BURKE, "Barney Malone" (Noto).
 CHAS. O'MARA, will entertain you.
 WALTER SMITH, Corner.
 "Last Rose of Summer."
 CHAS. O'MARA, Baritone:
 "Father O'Flynn."
 3.25 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Half a Moon is better than No Moon" ("Rhynods").
 "In a Jig" (West).
 "In a Little Spanish Town" (Wayne).
 3.35 p.m.—"AU FAIT":
 "Fashion Talk."
 3.50 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Me, Too, Ho, Ho, Ha, Ha" (Brown).
 "Hi, Mu, The Merrie" (Woods).
 "I've Been Wasting My Dreams over you" (O'Hagan).
 4 p.m.—JOE BRENNAN, assisted by IDA NEWTON:
 "Little Old Six Roomed House."
 "Walk as much as you can."
 "Girl on the Stairs" (Donaldson).
 4.15 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Take in the Sun, Hang out the Moon" (Woods).
 "That's Why I Love You" (Donaldson).
 "In Loughlin" (For Young) (Hathaway).
 4.24 p.m.—ELLIS PRICE (of "The Green Hat" Company), by permission of J. C. Williamson, Ltd.:
 Mrs. Duggin's Discovery of how to make lawn chairs out of champagne bottles. (Butler).

4.30 p.m.—MATRON MORELAND:
 "Infant Welfare."
 4.40 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "The Village Blacksmith (owns the Village Now)."
 "Kookoo Lullaby" (Miller).
 "There Ain't No May in My Baby's Eyes" (Kahlo).
 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 holiday greetings.
 5.55 p.m.—STUDIO ORCHESTRA:
 "Lush" (Shirley Douglas).
 6.02 p.m.—"MARY GUMLEAF"—Poems:
 "Little Blue Hood."
 "Nurses' Pudding."
 Story for the silent ones:
 "The Seafish Giant."
 6.12 p.m.—FRANK AND FRANCIS LUIZ, are two Hawaiians who will entertain the children.
 6.20 p.m.—"MARY GUMLEAF"—Story for the elder children.
 "The Other Side of the Tree".
 6.25 p.m.—"Argus" and "Herald" News Service.
 Weather Synopsis, Shipping Movements.
 6.47 p.m.—Stock Exchange information.
 6.52 p.m.—Fish market reports by J. R. Horrett, Ltd.
 6.55 p.m.—River reports.
 6.58 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.
 7.04 p.m.—Fruit market reports by the Victorian Wholesale Fruitellers' Association compiled by the "Fruit World," exclusive in S.L.O.

NIGHT SESSION.

Speakers:
 MR. J. E. SLIP.
 DR. GWYNETH BUCHANAN.
 REV. KENNETH HENDERSON.
 DR. BROOKE NICHOLLS.
 LEE WHITE and CLAY WHITE.
 RAILWAYS MUSICAL SOCIETY.
 J. ALEXANDER BROWNE, Baritone.
 C. RICHARD CHUGG.
 JESSIE McMICHAEL, Soprano.
 AGNES FORTUNE, Piano.
 NEWPORT WORKSHOPS BRASS BAND.
 RAILWAYS INSTITUTE DRAMATIC SOCIETY.
 Accompanists AGNES FORTUNE
 Announcer MAURICE LUDLEY
 7.15 p.m.—Under the Auspices of the Town Planning Association, Mr. J. E. SLIP, of the Town Planning Commission:
 "Lessons from the Traffic Census."
 7.30 p.m.—Under the Auspices of the University of Melbourne Board, DR. GWYNETH BUCHANAN, Senior Lecturer in Biology Department:
 "Star Fish and their allies."
 7.45 p.m.—REV. KENNETH HENDERSON:
 "Human Nature as in Politics" (Mordelshohn).
 8 p.m.—DR. BROOKE NICHOLLS:
 "How a Coral Island is Built."
 A NIGHT WITH THE RAILWAYS INSTITUTE.
 8.15 p.m.—RAILWAYS MUSICAL SOCIETY:
 "O Great is the Depth" (Mordelshohn).
 8.20 p.m.—NEWPORT WORKSHOPS BRASS BAND:
 March, "Brilliant" (Hume).
 8.25 p.m.—J. ALEXANDER BROWNE, Baritone:
 "The Drum Major."
 8.29 p.m.—C. RICHARD CHUGG:
 "Second Sonata" (Patti).
 8.35 p.m.—RAILWAYS MUSICAL SOCIETY ("Ladies' Voices"):
 "Follow Me Down to Carlow" (Fletcher).
 8.40 p.m.—NEWPORT WORKSHOPS BRASS BAND:
 Value, "Cornflowers and Poppies" (Greenwood).
 8.45 p.m.—RAILWAYS INSTITUTE DRAMATIC SOCIETY, under direction of Miss Winifred Moverley.
 8.45 p.m.—R. LINSTADT.

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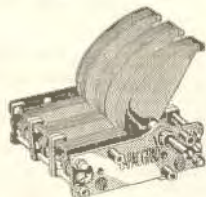
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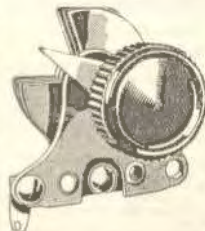


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644 Bourke St., MELBOURNE

"NETTIE."

A play in One Act by George Ade.
Cast:

- Billy Donelson**, a mining engineer,
H. Lambie,
Freddie Nichols, a fire-pout ... N. Blackler
Jimmy Bates, of the Old Guard, J. C. Clarke
A Waiter G. Harvey
A Messenger Boy Kara Harkness
The Scene is one corner of a palm room in a large hotel. A table is effectively shut off from the main room by screens and potted palms. Table is partly set for two people. At the end of curtain, the Waiter is standing behind a table marked "Reserved." The Waiter yawns, then reaches into a side pocket and takes out a large roll of bills, which he is counting slowly, and with much satisfaction, when Donelson enters carrying a very large bunch of violets.
8.5 p.m.—MISS LEE WHITE AND MR. CLAY SMITH will entertain you with Songs from their repertoire.

9.10 p.m.—NEWPORT WORKSHOPS BRASS BAND:

- Song, "Sweet and Low" (Barnby).
9.20 p.m.—MUSICAL SOCIETY (RAILWAYS) Come, Dorothy, Come.
9.25 p.m.—RICHARD CHUGG, Flute. "Birds in the Wood" (Duppre).
9.32 p.m.—JESSIE McMICHAEL, Soprano: "When a Gallant Youth" (Weber).

9.56 p.m.—NEWPORT WORKSHOPS BRASS BAND:

- Fantasia, "Souvenir de Basse" (Rimmer).
9.46 p.m.—J. ALEXANDER BROWNE, Baritone: "Lovers than the Dust".
"Kashmir Song".

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

10.3 p.m.—RAILWAYS MUSICAL SOCIETY (Male Voices): "In Absence" (Duck).

"Come Away, Come Away" (Schäfer).
10.10 p.m.—NEWPORT WORKSHOPS' BRASS BAND:

- Eastern Romance: "Under the Palms" (Rimmer).
10.20 p.m.—JESSIE McMICHAEL, Soprano. "Can ye by Athol" (James Hoag).
10.27 p.m.—"Argus" news service. Weather forecast. Announcements. Sporting Notes by "Olympus".

10.37 p.m.—AGNES FORTUNE, Piano: "Moonlight Sonata" (Beethoven).
10.45 p.m.—NEWPORT WORKSHOPS' BRASS BAND:

- Coronet Solo, "I Hear You Calling Me" (Selected).
11 p.m.—OUR GREAT THOUGHT: "What we know here is very little, but what we are ignorant of is immense."—La Place.
11.1 p.m.—JOE ARNOLD AND HIS SYN-COPATING SYMPHONISTS: "Moonlight on the Ganges" (Wallace). "Some Other Bird Whistled a Tune" (Bryan).
"While the Years go Drifting By" (Kahn).
"Clap Hands, Here Comes Charlie" (Meyer).
"How Could Red Riding Hood" (Handolph).
"Minnonette" (Nichols).
"It Made You Happy" (Donaldson).
"Speech" (Friend).
"Cmaxin the Piano"—Piano Solo (Confrey).
"Meadow Lark" (Florida).
"Steeping in Soiree" (Alet).
"Calm Hawaiian Seas".
"You Need Someone to Love" (Olson).
"Hi, Ho, The Merrie" (Brown).
"St. Lucia Blues" (Handy).
"I Want a Parden for Daddy" (Roat).
"That's My Girl" (Dawle).
"By the Waters of Minnetonka" (Litturance).
"On the Riviera" (Rich).

11.46 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.
1.30 p.m.—From Hotel Carlton: Lunch Music from the lounge, played by Hotel Carlton Symphony Orchestra.

5CL, ADELAIDE

- 1.58 p.m.—From the Observatory: Standard Time Signal.
2.0 p.m.—Close Down.

AFTERNOON SESSION.

- 3.30 p.m.—A programme of music from the studio: Duo Art selection, "Humoresque" (Dvorak); Aeolian Vocalion selections: (a) soprano "Caro Nome" (Verdi), Madame Evelyn Scouley, (b) fox-trot, "Military Miles" (Schubert), the Ambassadors; Duo Art selections, "Sprug Song" (Mendelssohn); Aeolian Vocalion selections: (a) bass, "The Blacksmith" (Seater), Mr. Malcolm McEwen; (b) violin, "Chavotte in E-Major" (Rach), Oda Fischer; Duo Art selections, "Polish Dance" (Schwarzenka); Aeolian Vocalion selections: (a) baritone "The Two Grenadiers" (Schumann), (b) orchestral, "El Amor" (Dee Fallori), Modern Chamber Orchestra (Band).
4.15 p.m.—"The Telegraph" News.
4.30 p.m.—Close Down.

EARLY EVENING SESSION.

- 4.45 p.m.—"Daily Standard" News.
4.50 p.m.—"The Children's Season": 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.—Lecturette, "Motorists—Correct Lubrication," Talk No. 3, by "Gargyle".

NIGHT SESSION.

- To-night's programme will comprise a pianoforte and vocal recital arranged by Mr. Arthur Sharman.
8.0 p.m.—From the Studio: Pianoforte, "Black Note Study" (Chopin), Miss Iris Newlyn; Trio solo, "Harvesters' Night Song" (Baynton Power), Mrs. J. Hardy; pianoforte solo, "Aise Caprice" (Rubinstein), Miss D. Gammon; L.T.C. soprano solo, "Breathe of Day" (Sanderson), Miss Elvie Plane; pianoforte solo, "Valse Cromatique" (Godard), Miss Millie Whitford; a thought for to-night, by Will E. Lister, "Queen of the Earth"; mezzo-soprano solo, "My Fryer" (Squire), Miss Dorothy Prentice; pianoforte solo, "Staccato Etude" (Rubinstein), Mr. Arthur Sharman; contralto and soprano duo, "Arie G. Sun" (Day), Mrs. J. Hardy and Miss Gladys Peters; pianoforte solo, "Mazurka G-Minor" (Chopin), "Baccarole" (Gode), Master Alan Blair; baritone solo, "The Lute Player" (Allison), Mr. Bryth Evans; pianoforte solo, "Norwegian Bridal Procession" (Greig), Miss Rita Kelsall; soprano solo, "Bird of Love Divine" (Wood), Miss Jean Brett; pianoforte solo, "Why" (Schumann), Miss Elsie Piby; soprano solo, "Langier Fair" (Martin), Miss Ivy Plane; pianoforte solo, "Humoresque" (Schumann), Mr. Arthur Sharman; baritone and soprano duo, "As I Went Roaming" (Bryke), Miss Elvie Plane and Mr. Bryth Evans; pianoforte solo, "Etude A-Minor" (Chopin), Miss Iris Nea.
8.6 p.m.—Metropolitan Weather Forecast. Contralto solo, "Abide With Me" (Liddie), Miss Gladys Slaughter; pianoforte solo, "Rhapsody No. 11" (Liszt), Miss Dorothy Gammon; soprano solo, "Happy Song" (El Rigso), Miss Gladys Peters; pianoforte solo, "Nocturne in B-Major" (Chopin), Miss Elsie Piby; quartette, "Glee" (Carry Me Back to Old Virginia" (Rand), Misses Prentice, Plane, Scott and Hardy; pianoforte solo, "Sonata Appassionata First Movement" (Beethoven), Mr. Arthur Sharman; soprano solo, "Only the River Running By" (Hopkins), Miss Ivy Plane; pianoforte solo, "Gavotte" (Scamatti), Miss Elsie Piby; trio, "Spring Flowers" (Wheeler), Misses Brett and Hardy; pianoforte solo, "Water Wagtail" (Scott), Miss Rita Kelsall; baritone solo, "Foreword Song" (Brett), Mr. Bryth Evans.
10.1 p.m.—"The Daily Mail News": Weather News; Close Down.

- 12.30 p.m.—From the Observatory: Standard Time Signal.
1.0 p.m.—Close Down.
12.30 p.m.—Market reports.
1.1 p.m.—G.P.O. chimes.
1.1 p.m.—Musical selections.
1.2 p.m.—G.P.O. chimes and close down.
2.30 p.m.—Market reports.
2.45 p.m.—G.P.O. chimes.
3.1 p.m.—Relay from "Naple Leaf Cafe"—Orchestral selections.
3.45 p.m.—From the Studio, recitals on the "New Reproducing Suvora" and the "Autonote Reproducer".
4 p.m.—G.P.O. chimes.
4.1 p.m.—Relay from the Arcadia Cafe—Orchestral selections.
4.45 p.m.—Standard announcements.
5 p.m.—G.P.O. chimes and close down.
5.30 p.m.—Market reports.
5.45 p.m.—Dinner music by Covent Garden Restaurant Orchestra.
6.15 p.m.—Bedtime stories.
6.30 p.m.—Market reports by Messrs. S. C. Ward and Co., A. E. Ball and Co., A. W. Sandford and Co., Dalrymple and Co., S.A. Farmers' Co-operative Union, Taylor Bros.
7.45 p.m.—Home beautiful talk by "Domus".
8 p.m.—G.P.O. chimes.
8.1 p.m.—G.C.I. Orchestra.
8.10 p.m.—Song, Mr. Lionel Symons.
8.14 p.m.—Cello solo, Mr. Ted Williams.
8.18 p.m.—Bass solo, Mr. G. F. Guster.
8.22 p.m.—G.C.I. Orchestra.
8.25 p.m.—Humorous recitation, Mr. Stephen Dunke.
8.35 p.m.—Song, Miss Aileen Newlyn.
8.42 p.m.—Cornet solo, Mr. Vera Rogers.
8.45 p.m.—Song, Miss Dulcie Walters.
8.50 p.m.—G.C.I. Orchestra.
9 p.m.—G.P.O. chimes.
9.1 p.m.—Weather report.
9.3 p.m.—Dalrymple's wheat report.
9.4 p.m.—Song, Mr. Lionel Symons.
9.8 p.m.—G.C.I. Orchestra.
9.15 p.m.—Humorous interlude, Mr. Stephen Dunke.
9.25 p.m.—Song, Miss Aileen Newlyn.
9.30 p.m.—Selection, G.C.I. Orchestra.
9.40 p.m.—Song, Mr. G. F. Guster.
9.44 p.m.—Violin solo, Miss Lorette Foglia.
9.50 p.m.—Song, Miss Dulcie Walters.
10 p.m.—G.P.O. chimes.
10.1 p.m.—"Advertiser" news service.
10.13 p.m.—Song, Miss Aileen Newlyn.
10.15 p.m.—G.C.I. Orchestra.
10.25 p.m.—Humorous interlude, Mr. Stephen Dunke.
10.38 p.m.—Song, Mr. G. F. Guster.
10.40 p.m.—G.C.I. Orchestra.
10.50 p.m.—Song, Mr. Lionel Symons.
10.54 p.m.—G.C.I. Orchestra.
11 p.m.—G.P.O. chimes and close down. (Programme subject to alteration).

- 12.30 p.m.—Market reports.
1.1 p.m.—G.P.O. chimes.
1.1 p.m.—Musical selections.
1.2 p.m.—G.P.O. chimes and close down.
2.30 p.m.—Market reports.
2.45 p.m.—G.P.O. chimes.
3.1 p.m.—Relay from "Naple Leaf Cafe"—Orchestral selections.
3.45 p.m.—From the Studio, recitals on the "New Reproducing Suvora" and the "Autonote Reproducer".
4 p.m.—G.P.O. chimes.
4.1 p.m.—Relay from the Arcadia Cafe—Orchestral selections.
4.45 p.m.—Standard announcements.
5 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

- 5.30 p.m.—G.P.O. chimes.
6.1 p.m.—Dinner music by Covent Garden Restaurant Orchestra.
6.15 p.m.—Bedtime stories.
6.30 p.m.—Market reports by Messrs. S. C. Ward and Co., A. E. Ball and Co., A. W. Sandford and Co., Dalrymple and Co., S.A. Farmers' Co-operative Union, Taylor Bros.
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8.18 p.m.—Bass solo, Mr. G. F. Guster.
8.22 p.m.—G.C.I. Orchestra.
8.25 p.m.—Humorous recitation, Mr. Stephen Dunke.
8.35 p.m.—Song, Miss Aileen Newlyn.
8.42 p.m.—Cornet solo, Mr. Vera Rogers.
8.45 p.m.—Song, Miss Dulcie Walters.
8.50 p.m.—G.C.I. Orchestra.
9 p.m.—G.P.O. chimes.
9.1 p.m.—Weather report.
9.3 p.m.—Dalrymple's wheat report.
9.4 p.m.—Song, Mr. Lionel Symons.
9.8 p.m.—G.C.I. Orchestra.
9.15 p.m.—Humorous interlude, Mr. Stephen Dunke.
9.25 p.m.—Song, Miss Aileen Newlyn.
9.30 p.m.—Selection, G.C.I. Orchestra.
9.40 p.m.—Song, Mr. G. F. Guster.
9.44 p.m.—Violin solo, Miss Lorette Foglia.
9.50 p.m.—Song, Miss Dulcie Walters.
10 p.m.—G.P.O. chimes.
10.1 p.m.—"Advertiser" news service.
10.13 p.m.—Song, Miss Aileen Newlyn.
10.15 p.m.—G.C.I. Orchestra.
10.25 p.m.—Humorous interlude, Mr. Stephen Dunke.
10.38 p.m.—Song, Mr. G. F. Guster.
10.40 p.m.—G.C.I. Orchestra.
10.50 p.m.—Song, Mr. Lionel Symons.
10.54 p.m.—G.C.I. Orchestra.
11 p.m.—G.P.O. chimes and close down. (Programme subject to alteration).

6WF, PERTH

- Tuesday.
11.30 p.m.—Tune in.
12.35 p.m.—First local news bulletins.
Market reports.
Cables.
1 p.m.—Time signal from Perth Observators.
1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—Studio Trio.
1.30 p.m.—Close down.
3.30 p.m.—Tune in.
3.35 p.m.—Musical programme, including pianoforte selections, by Miss Evelyn White, A.R.C.M.
4 p.m.—Studio Trio.
4.30 p.m.—Close down.
5.45 p.m.—Tune in.
6.50 p.m.—Stories for thy lute, by Uncle Leslie.
7.20 p.m.—Stock and Share intelligence. Market reports.
Cables. News supplied by courtesy of "The West Australian" Newspaper Co.

Mick Simmons for Everything Radio

MAGNAVOX

One Dial (5 Valve) Radio

Undoubtedly the most attractive proposition in the Radio world to-day

This Model in artistic Australian Cabinet of Dark Oak, COMPLETE with all Accessories and new MAGNAVOX "Cornell" Cone Speaker.



Price, Complete

£40

Cash

or

Easy Terms

To see, to hear and to operate the MAGNAVOX is a revelation—a new adventure in Radio enjoyment.

Its salient features are:—

1. Single Dial Simplicity.
2. Single Dial Efficiency.

SIMPLICITY: The Single Dial feature was perfected by MAGNAVOX—a company with 15 years' experience in making Radio products. Just one turn of one dial for your Station, without tedious tuning.

EFFICIENCY: The MAGNAVOX has remarkable power and selectivity. All MAGNAVOX Circuits are tuned at the factory. They are always in perfect resonance—which means perfect performance results.

Remember that satisfaction, not for a year or two, but for a lifetime, is built into every MAGNAVOX Set. Special Demonstrations of the superlative "MAGNAVOX" can be arranged in your own home.

Any Set installed **FREE** of Charge in City or Suburbs.

COUNTRY RADIO DEALERS.

Agents are required in Country Districts for the superlative MAGNAVOX One-Dial Receivers, Loud Speakers, and Accessories. Enquiries invited.

Mick Simmons Ltd

"The World's Greatest Sports Store"

Headquarters: HAYMARKET, SYDNEY
And at BRISBANE

7.45 p.m.—Talk.
 8 p.m.—Time signal from Perth Observatory.
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 8.2 p.m.—Band Night.
 Concert by the Perth City Band, Conductor, Mr. W. A. Halvorsen.
 10 p.m.—Second local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.
 10.30 p.m.—Close down.

Wednes., May 11 2FC, SYDNEY

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
 12.5 p.m.—Stock Exchange, first call.
 1.25 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 news.
 12.35 p.m.—Rugby wireless news.
 12.40 p.m.—Studio music.
 12.55 p.m.—Miss Eva Webb Jones, soprano: "My Mother bids me bid my hair" (Haydn), p.m.—"Big Ben," Weather intelligence.
 1.1 p.m.—"Evening News" midday news service.
 Producers' Distributing Society's Report.
 1.20 p.m.—Studio music.
 1.28 p.m.—Stock Exchange, second call.
 1.30 p.m.—Marching music for school children.
 1.40 p.m.—Miss Eva Webb Jones, soprano: "Daffodils a-blooming" (German).
 1.45 p.m.—Studio music.
 1 p.m.—"Big Ben," Close down.

AFTERNOON SESSION.

2 p.m.—"Big Ben" and announcements.
 2.5 p.m.—Vocal items by the pupils of the MacCunn School of Music.
 3.30 p.m.—Marching music for school children.
 4.10 p.m.—FROM FARMER'S TEA ROOMS: Miss Jeannette Rooney, contralto: "When the Ship Comes Home" (Olivet).
 4.45 p.m.—A Talk on Home Cooking and Recipes by Miss Ruth Furst.
 4 p.m.—"Big Ben," FROM FARMER'S TEA ROOMS: Miss Persis Butler, soprano: "Blackbirds" (Windsor).
 4.5 p.m.—FROM THE STUDIO: Miss Doris Carroll, mezzo.
 4.10 p.m.—Studio music.
 4.20 p.m.—FROM FARMER'S TEA ROOMS: Miss Jeannette Rooney, contralto: "Charming Chloe" (German).
 4.35 p.m.—FROM THE STUDIO: Miss Doris Carroll, mezzo.
 4.45 p.m.—Studio music.
 4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Persis Butler, soprano: "How Bunsies Grow" (Torreuz).
 4.45 p.m.—Stock Exchange, third call.
 4.55 p.m.—Studio music.
 5 p.m.—"Big Ben," Close down.

EARLY EVENING SESSION.

5.45 p.m.—The Chimes of 2FC.
 6.00 p.m.—The "Hello Man" talks to the children, assisted by Uncle Rus and "Jerry" Brother.
 6.20 p.m.—A serial story, "Davie's Big Brother."
 6.40 p.m.—Dinner music.
 7 p.m.—"Big Ben" Late spurring news.
 7.10 p.m.—Dairy stock market reports (wool, wheat and stock).
 7.15 p.m.—Fruit and Vegetable Markets.
 7.25 p.m.—Weather and Shipping Intelligence—Stock Exchange.
 7.30 p.m.—Late "Evening News" news service.

NIGHT SESSION.

7.50 p.m.—Programme announcements.
 7.52 p.m.—Studio music.
 8 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY: Items by JIMMY ELKIN'S ORCHESTRA with the Grand Organ.
 8.10 p.m.—FROM THE STUDIO: Miss Elsie Peeries, soprano.
 8.14 p.m.—The Neapolitan Duo: Mr. Len Gibson, mandolin, Mr. Charles Backstrom, steel guitar: (a) Duet, "La Paloma" (L'Kindler). (b) Mandolin solo, "Serenata" (Brazas). (c) Duet, "Humoresque" (Dvoznik).
 8.22 p.m.—Mr. Gratton Smith in "A Book Review."
 8.50 p.m.—Further experiences of "Woolen-woolies," an Australian Journalist in America.
 8.40 p.m.—The 2FC Dance Band; conductor, Mr. Eric Pearce.
 8.47 p.m.—Miss Elsie Peeries, soprano.
 8.54 p.m.—Mr. George Welch, comedian.
 9 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY: Jimmy Elkin's Orchestra with the Grand Organ.
 9.10 p.m.—FROM THE STUDIO: Mr. Norman Janson, baritone.
 9.14 p.m.—The Neapolitan Duo, Mr. Len Gibson, mandolin, and Mr. Charles Backstrom, steel guitar: (a) Duet, "Alma Oe" (Lilkanant). (b) Mandolin solo. (c) Duet, "Amore Perdona" (Sartoli).
 9.30 p.m.—Miss Elsie Peeries, soprano.
 9.24 p.m.—The 2FC Dance Band.
 9.40 p.m.—Mr. James Donnelly, tenor.
 9.54 p.m.—Mr. Len Maurice in popular numbers.
 9.58 p.m.—Mr. George Welch, comedian.
 9.45 p.m.—The 2FC Dance Band and the popular baritone, Mr. Len Maurice.
 9.52 p.m.—Mr. Norman Janson, baritone.
 10 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY: Orchestral items by Jimmy Elkin's Band, with the Grand Organ.
 10.10 p.m.—Mr. James Donnelly, tenor: FROM THE STUDIO.
 10.15 p.m.—The 2FC Dance Band, and Mr. Len Maurice, the popular baritone.
 10.25 p.m.—Mr. Norman Janson, baritone.
 10.30 p.m.—The 2FC Dance Band.
 10.45 p.m.—Celebrity records.
 10.52 p.m.—Late news and announcements.
 10.55 p.m.—The 2FC Dance Band.
 11 p.m.—"Big Ben," National Anthem.
 Close down.

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.
 12.5 p.m.—Sydney Stock Exchange Calls.
 12.8 p.m.—Boats in Call by Wireless.
 12.10 p.m.—Musical Programme from the Studio.
 12.20 p.m.—Fruit Market Report.
 12.21 p.m.—Vegetable Market Report.
 12.22 p.m.—London Metal Market Report.
 12.24 p.m.—Dairy and Farm Produce Market Report.
 12.37 p.m.—Racing Resume.
 12.38 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.—Musical Programme from the Studio.
 1.0 p.m.—Pianoforte Lecture Recital by Arnold R. Mote, broadcast from the Fine Art Gallery, Anthony Hardens.
 1.0 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.
 Having Information Broadcast immediately after each Race, by courtesy of the "Sun."
 2.1 p.m.—Talk to Children and Special Entertainment for Children in Hospital.
 2.10 p.m.—Musical Programme from the Studio.
 2.20 p.m.—WOMEN'S SESSION. (Conducted by Mrs. Jordan.) Talk on "Canning," by Miss G. Varley, Homeowners' Women's Sports Authority, Social Notes— Replies to correspondents. Talk by Dr. Morris, on "Welfare."
 2.30 p.m.—G.P.O. Clock and Chimes.
 2.31 p.m.—Musical Programme from the Studio.
 2.37 p.m.—News from the "Sun."
 2.50 p.m.—G.P.O. Clock and Chimes.
 3.01 p.m.—Talk on "The Great Composers," illustrated by Strauss Piano.
 3.30 p.m.—News from the "Sun."
 4.0 p.m.—G.P.O. Clock and Chimes.
 4.2 p.m.—Musical Programme from the Studio.
 4.35 p.m.—Serial Story.
 4.40 p.m.—G.P.O. Clock and Chimes.
 4.51 p.m.—Musical Programme from the Studio.
 4.41 p.m.—News from the "Sun."
 4.56 p.m.—Racing Resume.
 4.52 p.m.—Producers' Distributing Society's Fruit and Vegetable Market Report.
 4.44 p.m.—Resume of night's programme.
 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.

6.45 p.m.—G.P.O. Clock and Chimes.
 6.46 p.m.—Daddy Louie will entertain the kiddies.
 6.48 p.m.—Musical Programme from the Studio.

SPECIAL COUNTRY SESSION.

7.0 p.m.—G.P.O. Clock and Chimes; Australia Mercantile Land and Finance Co's Report; Weather Report and Forecast by courtesy of Government Meteorologist; Producers' Distributing Society's Fruit and Vegetable Market Report; Stock Exchange Report; 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.
 8.0 p.m.—G.P.O. Clock and Chimes; Broadcasters' Topical Chorus.
 8.5 p.m.—Miss Hazel McClelland (Mezzo Contralto).
 8.10 p.m.—Mr. Clem Williams (Baritone).
 8.11 p.m.—Broadcasters' Trio.
 8.27 p.m.—Mr. Dud Osborne (Descriptive Artist).
 8.35 p.m.—Miss Pauline Harford-Foster (Soprano).
 8.42 p.m.—Mr. Bert Warrne (Comedian).
 8.50 p.m.—Miss Edy Dalgleish (Soubrette).
 8.57 p.m.—Resume of Following Day's Programme.
 9.0 p.m.—G.P.O. Clock and Chimes; Weather Report and Forecast by courtesy of Mr. C. J. Maree, Government Meteorologist.
 9.3 p.m.—Broadcasters' Trio.
 9.13 p.m.—Mr. Stanley R. Cattell (Tenor).
 9.20 p.m.—Miss Hazel McClelland.
 9.27 p.m.—Mr. Clem Williams.
 9.34 p.m.—Osborne and Warrne.
 9.46 p.m.—Broadcasters' Trio.
 9.53 p.m.—Miss Pauline Harford-Foster.
 10.0 p.m.—G.P.O. Clock and Chimes.
 10.1 p.m.—Miss Edy Dalgleish.
 10.3 p.m.—Mr. Stanley R. Cattell.
 10.15 p.m.—Mr. C. J. Maree and His Glom-chomers broadcast from the Ballroom of the Bondi Casino. During the intervals between Danes, News Reports by courtesy of "The Sun" Newspapers will be broadcast.
 11.0 p.m.—G.P.O. Clock and Chimes; National Anthem.

The Best Sets Deserve The Best Parts

STAND 37
EXHIBITION

STAND 37
EXHIBITION

ADVANCE

ALL AUSTRALIAN

"Advance" Radio Parts Lead in Quality and Prices.

Since the inception of our business it has been our policy to give better parts for less money, and to increase our markets and output in order to reduce our selling cost to the buying public. This has been done now in numerous cases. The popular demand for our goods has forced us to make a big increase in our plant, and also employ more hands. You get the best at lowest prices, and are supporting an ever-growing Australian industry.



Rear Panel Mounting
Vernier Dial
Price, 7/6

The Advance Rear Panel Mounting Vernier Dial has been designed to eliminate that clumsy dial that has ruined the appearance of good sets in the past. Now a neat high finished bezel with only a black knob gives the set a professional appearance. Bring your old set up to date, and install this Rear Panel Dial. Supplied plain, and metal finished in gold, silver or bronze. Drilling template supplied—you can't go wrong. In order to specify latest finish required.



The New
"Advance"
CENTRALIGN
CONDENSER
00025—12/ 00035—
12/ 0005—12/6

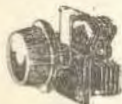


The new Advance "Centralign" Condenser has been introduced so that no crowding of spacing occurs on any portion of the dial reading, and retains normal separation on the middle of the scale. Constructed in a one-piece aluminium frame being most rigid, non-corrosive brass plates with a minimum of dielectric hollow shaft designed for multiple mounting and turns either to left or right, insuring the same Centralign tuning. The above features make the Advance "Centralign" true to name, advanced ahead of the times.

"Advance" Audio Frequency Transformer

This Transformer has been designed to build up the volume of detected broadcast signals to a true reproduction of the transmission, to increase the strength of signals without distorting the natural quality of tone. Each individual transformer is carefully inspected and tested at the factory before being packed, and is guaranteed to be electrically and mechanically perfect. Made in ratios of

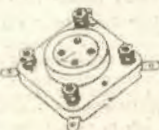
2-1, 3-1, 5-1 Price 17/6



MIDGET and NEUTRALIZING CONDENSERS

The Advance Midget Condenser has all the characteristics that have made Advance Condensers so famous. This Midget has silvered non-corroding brass plates supported by minimum of dielectric, and finished with a nicely moulded bakelite knob. The Neutralizing Condenser of the same construction as above, complete with base, panel, mounting and bakelite knob. Correct capacity for neutralizing and balancing condensers.

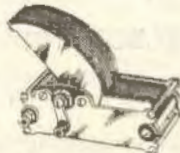
Midget II Plate — 6/6; Neutralizer 3 plate 4/6



UX or UV Porcelain

The Advance Low Loss Porcelain Tube Socket has been designed for its perfect insulation, and for use with either U.X. or U.V. type of tube. Spring contacts of phosphor bronze with side wipe and bottom contact, thus insuring the perfection of contacts. The porcelain base insures that perfect insulation that is ideal for radio purposes.

Price 2/6



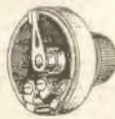
Improved Straight Line FREQUENCY CONDENSER

This condenser is an improved Straight Line Frequency, having solid spring bars with an entirely new means of perfect insulation. Receives all broadcasting stations evenly over the sweep of the dial in exact ratio with the transmitting frequency. Eliminates blanking of stations and increases selectivity.

PRICES:

00055. 9/6
00035. 10/
0005. 10/6

Rheostats
5, 10, 20 and
30 ohms—
3/6



Potentiometers
200 and
400 ohms.
3/6

Rheostats and Potentiometers

This metal shielded air cooled rheostat is of the same quality as all other Advance products. These are of sure contact, and a perfect ratio step rate. All that is desirable in the rheostat step is embodied in this unit.

The Potentiometers have the same uniform and characteristic as the rheostats, made in 200 and 400 ohms.



Knife Switch with Arrestor

A necessary adjunct to all receivers, being tested by the Melbourne University, and passed by the Fire, Lightning and Electrical Association. It embodies aerial and earthing switch, with lightning arrester.

Price—2/3



Lightning Arrestor, 2/6

A separate unit when switch with arrester is not required; also passed by the Melbourne University and Fire Underwriters' Association.

FOX & MACGILLYCUDDY, SYDNEY

HARRINGTONS, SYDNEY

2GB, SYDNEY

Wednesday.

- 9 a.m.—Music.
- 9.5 a.m.—Cherico Talk.
- 9.25 a.m.—Music.
- 9.40 a.m.—Psychological Class.
- 9.45 a.m.—Music.
- 9.50 a.m.—Health Talk.
- 10 a.m.—Close down.
- AFTERNOON SESSION.**
- 3.50 p.m.—Music.
- 3.57 p.m.—Talk.
- 3.52 p.m.—Music.
- 4.7 p.m.—Talk.
- 4.22 p.m.—Music.
- 4.50 p.m.—Close down.
- EVENING SESSION:**
- 6.30 p.m.—Children's Session.
- 7 p.m.—Music.
- 7.5 p.m.—Talk.
- 7.15 p.m.—Music.
- 7.29 p.m.—Topical Talk.
- 7.30 p.m.—Music.
- 7.35 p.m.—Talk to Men.
- 7.55 p.m.—Songs by Miss Ethel Jones.
- 1.
- 2.
- 8.5 p.m.—Address by Professor Ernest Wood.
- 8.20 p.m.—Instrumental Trio: MONICA HORDER MURFIEL LANG, ADA BROOK.
- 8.35 p.m.—2GB Vocal Quartette:
 1. "Merry Bells."
 2. "O Hasten From the busy town."
 3. "Silent Night."
- EVA CROFT, SIBYL BEVAN, THOMAS HALL, CLEMENT HOSKING.
- 8.45 p.m.—Duets for two violins with piano accompaniment: DAVY SCULLY, MONICA HORDER, ADA BROOK.
- 8.50 p.m.—Announcements.
- 8.55 p.m.—Violin Solo by Monica Horder.
- 9 p.m.—Topical Talk.
- 9.15 p.m.—"Hot Solo" by Ada Brook.
- 9.25 p.m.—Songs by Clement Hosking.
- 2.
- 9.38 p.m.—Duets for two violins with piano accompaniment: DAVY SCULLY, MONICA HORDER, ADA BROOK.
- 9.48 p.m.—2GB Vocal Quartette:
 1. "Come back to Erin."
 2. "Drink to me only with thine eyes."
 3. "A Hunting we will go."
- EVA CROFT, SIBYL BEVAN, THOMAS HALL, CLEMENT HOSKING.
- 9.53 p.m.—Cherico Talk.
- 10 p.m.—Close down.

3LO, MELBOURNE

Wednesday.

- MORNING SESSION.**
- JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
- ELLIS PRICE.
- SYD BECK, Comedian.
- RUSSELL CALLOW, Tenor.
- NELL CRANE, Comedienne.
- Accompanist AGNES FORTUNE
- Announcer ALFRED ANDREW
- 12 noon.—Time Signal: British Official Wireless News from Rugby; Reuters' and the Australian Press Association Cables; Stock Exchange Information; "Argus" and "Herald" News Services.
- 12.20 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
- "Calling Me Home" (Gilbert).
- "In A Little Garden" (Yulka).
- "Mary Lou" (Jayman).
- 12.30 p.m.—ELLIS PRICE (by permission of A. C. Williams, Ltd.)
- "Aly Soliloquies" (Ellis Price).
- "The Old Actor" (Ellis Price).
- 12.37 p.m.—Stock Exchange Information.
- 12.47 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
- "No Foolin'" (Owens).
- "Indian Love Call" (Fralin).
- "Rags Marie" (Fralin).
- 12.57 p.m.—SYD BECK, Comedian.
- "Comediettes."
- 1.4 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
- "Gimme a Little Kiss, Will ya, Huh" (Turk)
- "Any Ice To- day, Lady" (Bellard).
- "Princess Betty's Lullaby" (Stoneham).

- 1.14 p.m.—Weather Report.
- 1.20 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
- "Fire, Fire, Fire, Turn the Hose On Me" (Giky).
- "Karinna" (Tobias).
- "Precious" (Whitika).
- 1.30 p.m.—RUSSELL CALLOW, Tenor.
- "Lolla" (Pecunia).
- "I Know a Lovely Garden" (D'Harcot).
- 1.37 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
- "Despatch Nights" (Zanospika).
- "Hi, Diddle Diddle" (Goon).
- "At Peace with the World" (Berlioz).
- 1.41 p.m.—NELL CRANE, Comedienne.
- Child Impressions, "The Wedding in the East" (Gibson).
- "Come Down the Worganul" (Lawrence).
- 1.54 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
- "Baby Face" (Dunlop).
- "Calling Me Home" (Gilbert).
- 2.0 p.m.—Close Down.
- 2.15 p.m.—Description of Breakwater Hurdle, Geelong Races, by "Musket," of the "Sporting Globe."
- 2.40 p.m.—Description of Novice Handicap, Geelong Races, by "Musket" of the "Sporting Globe."
- Results of Coleraine Races will be given as they come to hand.

AFTERNOON SESSION.

THE STUDIO ORCHESTRA.

- Speaker
- CAPTAIN DONALD MACLEAN.
- ESTELLE MARK TRIO.
- MADAM LAMBERT, Soprano.
- DOROTHY ROXBURGH, Viola.
- O'MARA AND BURKE.
- AGNES FORTUNE, Piano.
- JOE BRENNAN and IDA NEWTON.
- Accompanist AGNES FORTUNE
- Announcer ALFRED ANDREW

MUSIC AND SPORT.

- 3.0 p.m.—STUDIO ORCHESTRA.
- "A Waltz Dream" (Strauss).
- 3.10 p.m.—Description of City Handicap, Geelong Races, by "Musket" of the "Sporting Globe."
- 3.15 p.m.—CAPTAIN DONALD MACLEAN.
- "How Pierre le Grand Took the Spanish Vice."
- "Admiral's Treasure Ship."
- 3.20 p.m.—ESTELLE MARK TRIO.
- Song, "A Spanish Song" (Lohr).
- Piano, "Barnacle" (Sberiden).
- Song, "Betty's Garden" (Wilfred Saunders).
- Violin, "The Foggy Dew," Old Irish Air (Alexander).
- 3.45 p.m.—Description of Flying Handicap, Geelong Races, by "Musket," of the "Sporting Globe."
- 3.50 p.m.—STUDIO ORCHESTRA.
- "The Shoe Ballet Suite" (Anstett).
- 4.0 p.m.—JOE BRENNAN, Assisted by IDA NEWTON.
- "My Mother's So Particular With Me."
- "That Would Never Do For Me."
- 4.7 p.m.—STUDIO ORCHESTRA.
- "Londonderry Air" (O'Connor-Morris).
- 4.15 p.m.—MADAM LAMBERT, Soprano.
- "Silly Bunch" (Goussard).
- "Enchantment" (Massenet).
- 4.30 p.m.—Description of Belvedere Velter-Geelong Races, by "Musket," of the "Sporting Globe."
- 4.35 p.m.—DOROTHY ROXBURGH, Viola.
- "First Movement"—Sonata (Coltman).
- 4.40 p.m.—O'MARA AND BURKE, Entertainers from the Emerald Isle.
- CHAS. O'MARA, "The Fire in Old County Down" (Carla Saunders).
- CHAS. O'MARA, will entertain you.
- AGNES FORTUNE, Piano.
- "Jessie's Dream" (By Request).
- CHAS. O'MARA, Baritone.
- "Molly Brannigan."
- 4.45 p.m.—Description of Jumper's Flat Race, Geelong Races, by "Musket," of the "Sporting Globe."
- 5.0 p.m.—Close Down.
- EVENING SESSION.**
- 5.40 p.m.—CHILDREN'S HOUR. Answers to letters and birthday greetings.
- 5.55 p.m.—STUDIO ORCHESTRA.
- "Eastern Fantasia" (Laker).

- 6.50 p.m.—"MARY, MARY, QUITE CONTRARY," Story for the Little Ones.
- "Jack and the Beanstalk."
- 6.15 p.m.—STUDIO ORCHESTRA.
- "Two Guitars" (Horlick).
- 6.20 p.m.—"MARY, MARY, QUITE CONTRARY," Story for the Higger Children.
- "The Ways of the Hooter Bee."
- 6.25 p.m.—"Argus" and "Herald" News Services.
- Weather and Aerial Mail Information by the Australian Aerial Services, Ltd.
- 6.47 p.m.—Stock Exchange Information.
- 6.53 p.m.—Fruit Market Reports, by J. R. Horrett, Ltd.
- 6.58 p.m.—Market Reports by the Victorian Producers' Co-operative Co., Ltd.; Newmarket Sheep Sales; Fawcett, Grain, Straw, Hay, Jute, Cheese, Dairy Produce, Potatoes and Onions; Fruit Market Reports by the Wholesale Fruitgrowers' Association, compiled by "The Fruit World," exclusive to N.G.

NIGHT SESSION.

Speakers:

- MR. R. CROWE.
- CAPTAIN PETERS.
- DR. BROOKE NICHOLLS.
- MR. LANGE LE SOUEF.
- THE STUDIO ORCHESTRA.
- ESTELLE MARK TRIO.
- FRANK AND FRANCES LUZ.
- MADAM LAMBERT, soprano.
- CELEBRITY FOUR.
- NYLLO AND DOKIS.
- JOE BROCK, comedian.
- JOE BRENNAN and IDA NEWTON.
- MISS LEE WHITE and MR. CLAY SMITH.
- JOE ARONSON & AND HIS SYNCOPATING SYMPHONISTS.
- Accompanist AGNES FORTUNE
- Announcer MARGIE DUDLEY
- 7.15 p.m.—Under the auspices of the Department of Agriculture, Mr. R. CROWE, Export Superintendent, "Marketing Methods."
- 7.30 p.m.—"GARBOYLE"—"Motor Fuels."
- A talk on the common characteristics of motor fuels marketed to-day.
- 7.45 p.m.—CAPTAIN PETERS:
- "Booka Wise and Otherwise."
- 8 p.m.—DR. BROOKE NICHOLLS:
- "Mashed Island."
- "O Music, sphere descended maid, friend of peasant, wisdom's aid."
- 8.15 p.m.—STUDIO ORCHESTRA:
- Selection, "Gipsy Love" (Lohr).
- 8.25 p.m.—ESTELLE MARK TRIO—Fifteen minutes with the famous composer, Roger Quilter.
- 8.40 p.m.—FRANK AND FRANCES LUZ, Hawaiian entertainers:
- Duet, "Timofulu Tom Boy."
- Song, "A Song of Hawaii."
- Steel guitar, "Eula Hinea."
- Duet, "Hapahapa Hula Girl."
- 8.55 p.m.—MADAM LAMBERT, soprano:
- "Bijou's Faux" (Goussard).
- "Rondelet" (De Goussard).
- 9 p.m.—STUDIO ORCHESTRA:
- "Moonbeam" (Drigo).
- 9.7 p.m.—MISS LEE WHITE and MR. CLAY SMITH will entertain you with selections from their repertoire.
- 9.17 p.m.—STUDIO ORCHESTRA:
- "Petite Suite de Concert" (Coleridge-Taylor).
- 9.27 p.m.—CELEBRITY FOUR, under direction of Mr. Wm. G. James.
- Prologue—Pagnazzi (Leoncavatto).
- MR. J. D. BARNARD, Baritone.
- Duet, from Romeo and Juliette.
- Middle, Saffo Arnav.
- MR. Horace White.
- Quartette from Traviata (Verdi).
- Celebrity Four.
- 9.40 p.m.—MR. LANGE LE SOUEF:
- "The Stud Book and the Wool Industry."
- 9.55 p.m.—JOE BRENNAN, assisted by IDA NEWTON:
- "Benin."
- "Welcome to the Duchesa."
- "Charlie, Take It Away."
- 10.15 p.m.—STUDIO ORCHESTRA:
- "Madame Butterfly" (Puccini).

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When every battery company is using superlatives about their product, I get into an armchair and tick off a few names—Wilkins, Hurley, Amundsen, Byrd, MacMillan, Rice! These men stand out in the world because of incomparable achievement. And if they believe in Burgess Batteries, why so do I!

The very latest is the adventure into Liberia, so new in telling that Australia has heard little of its programme.

But the other day I saw a cable message stating that the expedition, which will leave in June, will carry Burgess Batteries, so you can be certain that the world will know just what is happening.

The same wonderful results are being given in Australia by the Burgess Batteries, obtainable from any high-class radio dealer, or from New System Telephones Pty., Ltd., 280 Castlereagh-street, Sydney.*

- 10.15 p.m.—"Argus" news service.
British official wireless news.
10.25 p.m.—NIBLO AND DORIS. We have pleasure in introducing to you Niblo and Doris, who will entertain you for a few minutes.
Pattee, "Spirits"
"Belle of Village."
10.34 p.m.—STUDIO ORCHESTRA
"Felic Suite Modern" (Boyer).
10.42 p.m.—SYD BECK, comedian.
"Humoristics."
10.50 p.m.—Meteorological information.
Announcements.
11 p.m.—OUR GREAT THOUGHT!
"Never does a man portray his own character more fully than in his manner of portraying another."—Richter.
11.1 p.m.—JOE ARONSON & HIS SYNCOPATING SYMPHONISTS:
"Nobody But You" (O'Hagan).
"My Cutie One at Two to Two, Today."
"There's a Boatman on the Yolta" (Eugene).
"That's Why I Love You" (Gunnadon).
"Love Sound" (Ropp).
"Oh, Miss Hannah" (Deppen).
"The Far Away Bells" (Gordon).
"Oriental Moonlight" (Seamans).
"Craving for the Moon" (Conley).
"Me, Too, Ho, Ho! Ha, Ha!" (Woodie).
11.1 p.m.—JOE ARONSON & HIS SYNCOPATING SYMPHONISTS:
"Tie Me to Your Apron Strings" (Shay).
"Dog On the Piano" (Shapiro).
"Blame It on the Water" (Kahn).
"Call Me Early in the Morning" (Rule).
"Lonesome and Sorry" (Davis).
"White the Sahara Sleeps" (Michele).
11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Wednesday.

- EARLY MORNING SESSION
6.30 a.m.—Physical Culture Session.
7.0 a.m.—Close Down.
MIDDAY SESSION.
1.0 p.m.—Market Reports; Weather Information; "The Daily Mail" and "The Daily Standard" News.
1.20 p.m.—From the G.P.O.: Lunch Hour Music Played by the Postal Institute Orchestra.
1.58 p.m.—From the Observatory: Standard Time Signal.
2.0 p.m.—Close Down.
AFTERNOON SESSION.
3.30 p.m.—From Hotel Carlton: Afternoon Tea Music from the Lounge, played by Hotel Carlton Symphony Orchestra.
4.15 p.m.—From the Studio: "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 Hour: Stories by "Little Miss Brisbane."
7.0 p.m.—Market Reports; Stock Reports.
7.30 p.m.—Weather News; Announcements.
7.45 p.m.—Standard Time Signal.
7.45 p.m.—Lecturette: "Horticultural Topics," by Mr. J. W. Howie (Horticulturalist Queensland Agricultural High School and College).

NIGHT SESSION.

- THE SCOTTISH ENTERTAINERS.
8.0 p.m.—Selection, "Eugene Onegin" (Tchakowsky), the Studio Orchestra (conductor), Mr. A. R. Featherstone; Nasa solo, "The Carlee" (Gould); "Rab"; harp solo, "Nocturne" (Draygoebek); Mrs. Corrigan; monologue, "Singers and Talkers" (Kent); Miss Agnes Finney; vocal trio, "Wee Woosee Mung the Heather," the Scottish Entertainers; ten-trios: (a) "Fidelius" (Whiting), (b) "Adorable" (Wynburn), the

Studio Orchestra; tenor solo, "Maid of Malindi," by Tamie; Scotch comic, "Niney Four the Morning" by Cook; Hawaiian instrumentalists, the Kahua Trio; soprano solo, "When You Come Home," Miss Jane Clifford; a thought for to-night, "Looking for the Best" organ solo, selected Mrs. Knill; bass solo, "Arise, O Sun!" (Daly); by "Rab"; violin, "Belles and Beaus" (Hoyle); the Studio Orchestra; monologue, "The Bug Black," Miss Agnes Finney.
9.0 p.m.—Metropole (Weather Forecast, Hawaiian instrumentalists, the Kahua Trio; tenor solo, "Laule O'Mine" by Tamie; harp solo, "Home Sweet Home" (arr. by Marquardt); Mrs. Corrigan; soprano solo, "Sympathy," Miss Jane Clifford; Scotch comedian, "Bonnie Jean" (de Monteloni); the Studio Orchestra; vocal duet, "Lovers" by "Rab" and Tamie; Hawaiian instrumentalists, the Kahua Trio; organ solo, selected, Mrs. Knill; Flett; march, "Citizens' Pride" (Conley); the Studio Orchestra.

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

6WF, PERTH

Wednesday.

- 12.30 p.m.—Time in.
12.35 p.m.—First local news bulletin.
Market reports.
Cables.
1 p.m.—Time signal from Perth Observatory.
4.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—Studio Sympies.
2 p.m.—Close down.
3.30 p.m.—Time in.
3.35 p.m.—Musical programme.
4 p.m.—Studio.
4.30 p.m.—Close down.
6.45 p.m.—Time in.
6.50 p.m.—Children's lectures: "Uncle Tom's Cabin," by Uncle Duffy.
7.45 p.m.—Talk, "Bethoven," by Mr. A. J. Leslie, Mus., Rec.
8 p.m.—Time signal from Perth Observatory.
8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
8.2 p.m.—A Relay.
General Assembly's Service of Praise, re-lyred from St. Andrew's Presbyterian Church, St. George's Terrace, Perth.
8.45 p.m.—From the Studio.
Musical programme.
10 p.m.—Second local news bulletin, supplied by courtesy of "The Daily News" Newspaper Co.
10.30 p.m.—Close down.

Thursday, May 12 2FC, SYDNEY

MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
12.5 p.m.—Stock Exchange, first call.
12.8 p.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
12.15 p.m.—Studio music.
12.25 p.m.—Summary of "Sydney Morning Herald" news service and cables.
12.35 p.m.—Rugby wireless news.
12.40 p.m.—Studio music.
12.46 p.m.—Mr. Cliff Hanney, violin solo.
12.55 p.m.—Miss Irene Duncan, dramatic soprano.
"Little Love Nest; just for Two" (Lohr).
1 p.m.—"Big Ben." Weather intelligence.
1.0 p.m.—"Evening News" midday news service.
Producers' Distributing Society's Report.
1.20 p.m.—Mr. Cliff Hanney, violin solo.
1.26 p.m.—Studio music.
1.28 p.m.—Stock Exchange.
1.30 p.m.—Marching music for school children.

1.10 p.m.—Miss Irene Doucet, dramatic solo.
 "A Persian Fable" (Bodhe).
 1.15 p.m.—Studio music.
 1.22 p.m.—Last minute sporting information
 of the S.F.U. Racing Commissioner.
 Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.
 3.5 p.m.—Mr. Cliff Harvey, violin solo.
 4.1 p.m.—"Sacco's Farewell" (Gottsch).
 4.12 p.m.—Studio music.
 4.22 p.m.—Mr. Cliff Harvey, violin solo.
 4.30 p.m.—Matching music for school children.
 4.40 p.m.—FROM FARMER'S TEA ROOMS:
 Miss Ellen Moreau, soprano:
 "Melodians in the Wood" (Gotta).
 4.41 p.m.—A Dickens' Reading by A. S. C. Cheshire.

4.5 p.m.—"Big Ben"—FROM FARMER'S TEA ROOMS:

Miss May Craven, mezzo:
 "Play to Me" (Rubens).

4.5 p.m.—FROM THE STUDIO:

Miss Anne Mills, mezzo:
 "The Waking of Spring" (del Kieu).

4.10 p.m.—Studio music.

4.20 p.m.—FROM FARMER'S TEA ROOMS:

Miss Ellen Moreau, soprano:
 "A Dream" (Barlett).

4.25 p.m.—Studio music.

4.40 p.m.—FROM FARMER'S TEA ROOMS:

Miss May Craven, mezzo:
 "Tuckazhan Ferry" (Marjale).

4.45 p.m.—Stock Exchange; third call.

4.47 p.m.—Studio music.

5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.15 p.m.—The "Chimes of St. Martin's".

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

6.40 p.m.—A serial story, "David's Big Brother".

6.40 p.m.—Dinner music.

7 p.m.—"Big Ben." Late sporting news.

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

7.15 p.m.—Fruit and Vegetable Markets.

7.20 p.m.—Weather and shipping intelligence.

7.25 p.m.—Stock Exchange.

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

NIGHT SESSION.

7.40 p.m.—Programme announcements.

7.45 p.m.—A talk by the Technical Editor of "Wireless Weekly".

8 p.m.—"Big Ben." FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:

Orchestral items.

8.15 p.m.—FROM THE HOME OF CAPTAIN FRANK HURLEY, POINT PIPER ON THE SHORES OF SYDNEY HARBOUR: An Original Radio Story written by Captain Hurley, in which an opportunity will be taken of describing to listeners some of the scenes and anecdotes dealing with his many expeditions: A number of thrilling and gripping stories associated with his travels will be linked up with descriptions of the many interesting curios and memorabilia that are in his home.

8.18 p.m.—Captain Hurley meets his guests and a tour of the Grounds will be made, including a visit to the "Smugglers' Cave" (supposed to have been built by the Convicts in the early days), which runs right under the house.

8.20 p.m.—The party returns to the house for descriptions of the various Trophies. During these descriptions various effects will be worked and an orchestra will be heard in instrumental music.

8.30 p.m.—The screening of a short film entitled "Golden Memories" will be described. While the guests assemble in the Drawing Room musical items will be broadcast from the Lyceum Theatre, Pitt Street, Sydney.

8.35 p.m.—FROM CAPTAIN HURLEY'S HOME: An impromptu programme of music, interspersed with conversation, will be given by the following artists:

Miss Mabel Batchelor, soprano

Mr. Rex Garling

Miss Ellen Boyd, contralto.

Mr. Norman Jarson, baritone.

Mr. James Donnelly, tenor.

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Madame Emily Marke, soprano.
Mr. Ewart Chaplin, pianoforte solo.
Mr. Maurice Hewley, at the piano.
Mr. Laurence Herbert Harrison.
19 p.m.—"Big Ben," FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY; Orchestral items.
19.10 p.m.—Continuation of the concert and dance music from Captain Hurley's Home, Point Piper.
19.30 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY:
Items by the Wentworth Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.
19.42 p.m.—FROM THE STUDIO:
Late news and announcements.
19.45 p.m.—Celebrity records.
19.50 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY:
The Wentworth Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.
11 p.m.—"Big Ben."
National Anthem.
Close down.

2BL, SYDNEY

Thursday.

MORNING SESSION.

12 noon.—G.P.O. Clock and Chimes.
12.1 p.m.—Special Ocean Forecast and Weather Report.
12.3 p.m.—Information—Mails and Shipping and movements of important ships.
12.5 p.m.—Sydney Stock Exchange Cables.
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.
12.31 p.m.—Dairy and Farm Produce Market Report.
12.37 p.m.—Racing resume.
12.50 p.m.—G.P.O. Clock and Chimes.
12.51 p.m.—Musical programme from the Studio.
12.40 p.m.—Sporting Information ("Sun").
12.45 p.m.—Hillier's Instrumental Quartette, direction, Carl Castling.
1.00 p.m.—G.P.O. Clock and Chimes.
1.31 p.m.—News from the "Sun."
1.40 p.m.—Musical programme from the Studio.
1.50 p.m.—News from the "Sun."
2.00 p.m.—G.P.O. Clock and Chimes.
2.1 p.m.—Talk to children and special entertainment for children in Hospital.
Racing information broadcast by courtesy of the "Sun" immediately after each race.
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 by Miss Hoyle, on "Handicraft."
9 p.m.—G.P.O. Clock and Chimes.
5.1 p.m.—Concert broadcast from the Studio, arranged by Women's Christian Temperance Union.
5.20 p.m.—G.P.O. Clock and Chimes.
5.21 p.m.—News from the "Sun."
5.40 p.m.—Musical programme from the Studio
5.50 p.m.—Country Women's Session.
6.00 p.m.—G.P.O. Clock and Chimes.
6.1 p.m.—Musical programme from the Studio
6.15 p.m.—Serial Story.
6.20 p.m.—G.P.O. Clock and Chimes.
6.31 p.m.—Musical programme from the Studio
6.41 p.m.—News from the "Sun."
6.50 p.m.—Racing resume.
6.52 p.m.—Producers' Distributing Society's Fruit and Vegetable Market Report.
6.54 p.m.—Resume of night's programme.
6.55 p.m.—Announcements.
6.58 p.m.—Special ocean forecast.
6 p.m.—G.P.O. Clock and Chimes.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes.
5.46 p.m.—Ereke George and the Kiddies.
5.49 p.m.—Musical programme from the Studio
SPECIAL COUNTY 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 G.O. Meteorologist.
Producers' Distributing Society's Fruit and Vegetable Market Report.
Grain and Fodder Report ("Sun").
Dairy Produce Report ("Sun").
5.15 p.m.—Country News from the "Sun."
7.30 p.m.—Talk on "Cancer of the Throat" by Mr. Hubert Markham, B.A.
DANCE MUSIC NIGHT.
8 p.m.—G.P.O. Clock and Chimes.
Bridenstons' Topical Chorus.
8.1 p.m.—Miss Ethel Friend (contralto).
8.10 p.m.—Mr. Harry Avondale (songs at the Piano).
8.17 p.m.—Fashion and Social Notes by Miss Irene Dorrington.
Producers' Fashion Expert, broadcast from the Ball Room of the Ambassadors.
8.22 p.m.—MISS MYRTLE HOBBS (soprano).
8.29 p.m.—Sid. Owen's Premier Dance Orchestra.
8.37 p.m.—Miss Ethel Friend.
8.41 p.m.—Sid. Owen's Premier Dance Orchestra.
8.49 p.m.—Mr. Harry Avondale.
8.54 p.m.—Sid. Owen's Premier Dance Orchestra.
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. Mars, G.O. Meteorologist.
9.6 p.m.—Sid. Owen's Premier Dance Orchestra.
9.14 p.m.—Fashion and Social Notes from the Ambassadors.
9.18 p.m.—Sid. Owen's Premier Dance Orchestra.
9.23 p.m.—Miss Myrtle Hobbs.
9.31 p.m.—Sid. Owen's Premier Dance Orchestra.
9.39 p.m.—Miss Ethel Friend.
9.43 p.m.—Sid. Owen's Premier Dance Orchestra.
9.51 p.m.—Mr. Harry Avondale.
9.55 p.m.—Sid. Owen's Premier Dance Orchestra.
10.3 p.m.—Miss Myrtle Hobbs.
10.7 p.m.—Sid. Owen's Premier Dance Orchestra.
10.15 p.m.—Cee. Harrison and His Gloucesters broadcast from the Ball Room of the Bondi Casino. During intervals between Dances News Reports by courtesy of the "Sun Newspapers" will be broadcast.
11 p.m.—G.P.O. Clock and Chimes.
National Anthem.

3 LO, MELBOURNE

Thursday.

COMMUNITY SINGING.

12 p.m.—Time Signal, British Official Wireless news from Rugby. Reuters and the Australian Press Association Cables. "Argus" and "Herald" news review by courtesy of the "Sun Newspapers" will be broadcast.
12.15 p.m.—Under the auspices of the Theatre Guilds and Community Singers' Association.
—COMMUNITY SINGING—transmitted from the Assembly Hall, Collins Street.
1.15 p.m.—Stock Exchange Information.
—Weather report.
2 p.m.—Close down.

AFTERNOON SESSION.

THE STUDIO ORCHESTRA.
Singer: MISS FRANCES FRAZER.
THE FUTURISTS.
JOE BRENNAN & IDA NEWTON.
FRANKLIN STONHAM, Clarinet.
NIBLO AND DOE ANA.
RYD BECK, Comedian.
Accompanist: AGNES FORTUNE.
11 p.m.—STUDIO ORCHESTRA.
"Kowhowiana" (Kewhowkew).
"Kowhowiana" (Kewhowkew).

- 8.10 p.m.—"THE FUTURISTS"—present their Radio Revue, "How do?"
 Opening Chorus
 IRA VANDA takes the other Futurists out "Hasting." Sketch "Home at last."
 The Wife Ira Vanda.
 The Husband Cyril Northcote.
 Dismal Desmond has a tale to tell.
 IRA VANDA gives a child impersonation: "A cross upon the Slate."
 DISMAL DESMOND and CYRIL have a few mirthful moments.
 Finale—"Home sweet home."
- 8.30 p.m.—STUDIO ORCHESTRA:
 "Four Dances from the Rebel Maid."
 (Phillip).
- 9.10 p.m.—JOE BRENNAN assisted by IDA NEWTON.
 "Shall He? Let's!"
 "Bule of the three Ev's"
- 9.45 p.m.—FRANKLIN BTONHAM, Chorus, Maresca de Sain. (Kathleen),
- 10.14 p.m.—NIBLO AND DUZIS.
 "Siaki Town Quartette."
 "Morse Factor."
- 4 p.m.—STUDIO ORCHESTRA.
 "Suite from India." (Francis Copp.)
- 4.10 p.m.—SYD. DECK, Australian Comedian.
 "Selected."
- 4.17 p.m.—MISS FRANCES FRASER.
 "Gone Astray." (Dickers.)
- 4.35 p.m.—"Herald" news service. Stock Exchange Information. Acceptances for Sun-down Park Races, Saturday 14th May.
- 1.15 p.m.—EVENSONG, transmitted from St. Paul's Cathedral.
- 8.30 p.m.—Close Down.
- EVENING SESSION.**
 Accompanist ELSIE BRADSHAW.
 8.40 p.m.—CHILDREN'S HOUR. Answers to letters and birthday greetings.
 8.55 p.m.—GRACE AND KEATS.
 "Songs for little people."
 9.1 p.m.—"MARY GUMLEAF"—Poems.
 "The Silver Queen."
 "Pussy's Lesson."
 Story for the blind ones.
 "The Naughty Rabbit."
- 4.11 p.m.—ELsie BRADSHAW has two little pieces to play to you.
- 4.15 p.m.—CAPTAIN DONALD MACLEAN.
 Lewis Seal opens the door to a new world.
- 4.35 p.m.—"Argus" and "Herald" news services. Weather synopsis. Shipping movements.
- 4.47 p.m.—Stock Exchange information.
- 4.52 p.m.—Fish Market reports by J. R. Borrett, Ltd.
- 4.55 p.m.—River reports.
- 6.54 p.m.—Market reports by the Victorian Producers Co-operative Co., Ltd. Newmarket Sheep sales, Poultry, Grain, Hay, Straw, Jute, 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.**
 Speakers:
 MR. A. W. JACKSON.
 MISS HARRIET BENNETT.
 DR. BROOKE NICHOLLS.
 JOE ARONSON AND HIS SYMPCOPATING SYMPHONISTS.
 NELL CRANE, Comedienne.
 ANNA BURKE and CHAS. O'MAHA.
 SYD DECK, Comedian.
 JOE BRENNAN, Comedian.
 FRANK AND FRANCIS LUZE.
 IDA NEWTON.
 Accompanist AGNES FORTUNE
 Announcer MAURICE DUDLEY
- 7.15 p.m.—A Talk under the Auspices of the Health Association, Mr. Frank P. Byrne: "Dental Hygiene."
- 7.30 p.m.—MR. A. W. JACKSON, will speak on "Gold."
- 7.45 p.m.—MISS HARRIET BENNETT, now appearing in the part of "Rose Marie," will speak to you from her dressing-room, by permission of J. C. Williamson, Ltd.
- 8 p.m.—DR. BROOKE NICHOLLS:
 "Take of Rome and Admirals."
- 8.15 p.m.—JOE ARONSON AND HIS SYMPCOPATING SYMPHONISTS:
 "Albema Stamp" (Cramer).
 "Just a Bird's Eye View" (Koko).
 "Pearl o' Malabar" (Nichole).
 8.25 p.m.—NELL CRANE, Comedienne:
 "In a Crinoline" (Lawrence).

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6 WF, PERTH

Thursday.

12.30 p.m.—Time in.

12.35 p.m.—First local news bulletin supplied by courtesy of "The West Australian" Newspaper Co.

Market reports.

Tables.

1 p.m.—Time signal from Perth Observatory.

1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.

1.2 p.m.—Studio Quintette.

2 p.m.—Close down.

Friday, May 13
2FC, SYDNEY

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.

12.5 p.m.—Stock Exchange, first call.

12.9 p.m.—Official weather forecast, rainfall, temperature, astronomical observations, shipping intelligence, mail services.

12.14 p.m.—Studio music.

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

12.35 p.m.—Rugby wireless news.

12.40 p.m.—Studio music.

12.55 p.m.—Miss Ida Johnstone, soprano.

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

1.1 p.m.—"Eventing News" midday news service.

Producers' Distributing Society's Report.

1.30 p.m.—Studio music.

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

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

1.45 p.m.—Studio music.

1.50 p.m.—Miss Ida Johnstone, soprano.

1.55 p.m.—Studio music.

2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.

3.5 p.m.—Mr. Michael Brien, baritone:

"My Dream" (Tosti).

5.1 p.m.—The Neapolitan Duo: Mr. Leo Gilman, mandolin, and Mr. Charles Backstrom, steel guitar:

(a) Duet, "Mignone" (Nichola).

(b) Mandolin solo, "Serenade" (Schubert).

5.13 p.m.—Studio music.

5.25 p.m.—Mr. Michael Brien, baritone:

"Dona" (McGill).

5.30 noon—Marching music for school children.

5.40 p.m.—FROM FARMER'S TEA ROOMS:

Miss Muriel Humphries, contralto:

"Come Close to Me" (Currie).

5.45 p.m.—A talk on Home Cooking and Recipes by Miss Ruth Ford.

6 p.m.—FROM FARMER'S TEA ROOMS:

Miss Florence Grant, soprano:

"The Minnie Road" (Guitie).

6.5 p.m.—The Neapolitan Duo: Mr. Leo Gilman, mandolin, and Mr. Charles Backstrom, steel guitar:

(a) Duet, "Im Rosenhalm" (Huber).

(b) Steel guitar solo.

6.15 p.m.—Studio music.

6.30 p.m.—FROM FARMER'S TEA ROOMS:

Miss Muriel Humphries, contralto:

"The Snowy Flower that Bloss" (Hawley).

6.35 p.m.—Studio music.

6.40 p.m.—FROM FARMER'S TEA ROOMS:

Miss Florence Grant, soprano:

"Home u Mine" (Marchese Murdoch).

6.45 p.m.—Stock Exchange, third call.

6.47 p.m.—Studio music.

6 p.m.—"Big Ben." Close down.

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EARLY EVENING SESSION.

- 8.45 p.m.—The Chimes of 2FC.
9.00 p.m.—The "Hello Man" talks to the children.
9.30 p.m.—A serial story, "David's Big Boyhood."
9.40 p.m.—Dinner music.
9 p.m.—"Big Ben." Last minute sporting information by the 2FC Racing Commissioner.
9.19 p.m.—Daily's Market Reports (wheat, wheat and stock).
9.38 p.m.—Fruit and Vegetable Markets.
9.20 p.m.—Weather and Shipping Intelligence. Stock Exchange.
9.28 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.45 p.m.—Programme announcements.
7.59 p.m.—Studio music.
8.00 p.m.—Mr. Francis Halls, basso.
8.4 p.m.—Mr. Clyde Thorpe, violinist: "Spanish Dance" (Rehfeld).
8.9 p.m.—Miss Peggy Dunbar, contralto: "Sappho Ode" (H Strauss).
8.13 p.m.—Mr. Graham Kent will commence a series of Friday night Bridge Talks.
8.24 p.m.—Mr. Francis Halls, basso.
8.26 p.m.—Mr. Clyde Thorpe, violinist: "Meditation Thais" (Massenet).
8.39 p.m.—Miss Peggy Dunbar, contralto: (a) "Four by the Clock" (Mulliner). (b) "Ye Banks and Braes" (Burns).
8.40 p.m.—Mr. George Seale, comedian.
8.53 p.m.—Mr. Michael Erien, baritone: (a) "Gerard's Monologue" from "Andrea Chenier" (Giordano). (b) "The Birth of Morn" (Leon).
9 p.m.—Mr. Clyde Thorpe, violinist: "Perpetuum Mobile" (Sever).
9.5 p.m.—Miss Peggy Dunbar, contralto: "Songs my Mother Sang" (Grimschaw).
9.8 p.m.—Mr. George Seale, comedian.
9.14 p.m.—Mr. Francis Halls, basso.

9.17 p.m.—FROM THE THEATRE ROYAL, SYDNEY; the Second Act of the new Comic Opera (by permission of J. C. Williamson, Ltd.): "ERASQUITA."

featuring Marie Burke and Herbert Browne. MUSICAL NUMBERS: ACT TWO; Scene: "The Night Cabaret."
"El Tango," Sylvia Miller, Alexis Dolisoff.
"The Return of the Legion," Marie Burke, Chorus, Gentlemen and Ballet.
"Come Closer," R. Barrett-Lennard, Marie Eaton and Girls.
Dances, Pas De Deux, Thora Rogers and Robert Lancelotti.
"The Love Spell," Marie Burke, Herbert Browne.
"I'm so Popular," R. Barrett-Lennard, Thelma Burgess and Girls.
"Farewell, My Love, Farewell," Marie Burke.
"Hush, Dear! Hush, Dear!" Marie Burke, Herbert Browne.
Finale, Marie Burke, Herbert Browne. Approx.

- 10.25 p.m.—FROM THE STUDIO: Mr. Harrison White, banjo solos.
10.33 p.m.—Mr. George Seale, Comedian.
10.36 p.m.—FROM THE WENTWORTH CAPE—The New Wentworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Lightfoot.
10.42 p.m.—FROM THE STUDIO: Mr. Harrison White, banjo solos.
10.50 p.m.—Late news and announcements.
10.52 p.m.—The Wentworth Symphonic Dance Orchestra in popular numbers.
11 p.m.—"Big Ben." National Anthem. Close down.

Saturday, May 14 2FC, SYDNEY

MIDDAY AND AFTERNOON SESSION.

- 12 noon—"Big Ben" and announcements.
12.15 p.m.—Studio music.
12.19 p.m.—Official weather forecast, rainfall, temperature, astronomical memoranda, shipping intelligence, mail services.
12.26 p.m.—Summary of "Sydney Morning Herald" news service.
12.35 p.m.—Kogby wireless news.
12.40 p.m.—Studio music.
12.45 p.m.—A Talk on Gardening by Mr. G. J. Lockley ("Redgum").
1 p.m.—"Big Ben" Weather intelligencer.
1.3 p.m.—"Evening News" midday news service.
1.45 p.m.—Studio music.
NOTE: Hosiell racing events will be described in the running direct from the Course, by the 2FC Racing Commissioner. During racing intervals, musical items will be given from the Studio, including Mr. Tom Foggitt in piano recital. Also the New Wentworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Lightfoot, will be heard in popular numbers at intervals between 3 p.m. and 4 p.m.
4.50 p.m.—A complete resume of the day's Sporting and Racing Events.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

- 8.45 p.m.—The Chimes of 2FC.
9.00 p.m.—The "Hello Man" talks to the children.
9.30 p.m.—A serial story, "David's Big Boyhood."
9.40 p.m.—Dinner music.
9 p.m.—"Big Ben." Late sporting information.
9.15 p.m.—Weather intelligence.
9.18 p.m.—"Evening News" late news service.
9.28 p.m.—Studio music.

NIGHT SESSION.

- 7.45 p.m.—Programme announcements.
7.50 p.m.—Studio music.
8 p.m.—"Big Ben." The 2FC Dance Band in popular numbers, with Mr. Len Maurice, baritone.
8.8 p.m.—Miss Eileen Boyd, contralto: "The Temple Bells" (Finden).
8.12 p.m.—Mr. Tom Rea, trombone solo.
8.20 p.m.—The 2FC Dance Band (conductor, Mr. Eric Pearce) and Mr. Len Maurice, popular baritone.
8.23 p.m.—Miss Kitty Poole, soubrette.
8.26 p.m.—Mr. Montgomery Stuart and Miss Myra Leard in comedy sketches.
8.36 p.m.—The 2FC Dance Band.
8.42 p.m.—Miss Persis Ratter, soprano: "At Night" (Rachmaninoff).
8.45 p.m.—Mr. Tom Rea, trombone solo.
8.50 p.m.—Miss Eileen Boyd, contralto: "The Sands of Dee" (Clay).
8.54 p.m.—Mr. J. Lono's troupe of Hawaiian instrumentalists from the s.s. "Sierra."
9.4 p.m.—Mr. Frank Leonard, comedian.
9.8 p.m.—The 2FC Dance Band in popular numbers.
9.15 p.m.—Mr. Tom Rea, trombone solo.
9.20 p.m.—Miss Eileen Boyd, contralto: "Violets" (Noma).
9.24 p.m.—Miss Persis Ratter, soprano: "Reigh Ho! The Shamrock" (Phillips).
9.28 p.m.—Instrumental items, with vocal effects, by Mr. J. Lono's Hawaiian Troupe.
9.38 p.m.—Miss Kitty Poole, soubrette.
9.45 p.m.—The 2FC Dance Band, assisted by Mr. Len Maurice, popular baritone.
9.53 p.m.—Miss Eileen Boyd, contralto: "How many a lonely caravan" (Finden).
9.56 p.m.—Mr. Frank Leonard, comedian.
10 p.m.—"Big Ben." Mr. J. Lono and his Hawaiian Troupe from the s.s. "Sierra."
10.10 p.m.—Mr. Montgomery Stuart and Miss Myra Leard in a Comedy Sketch.

10.30 p.m.—Miss Kitty Poole, soloists.
 10.34 p.m.—The 2FC Dance Band and Mr. Len Maurice in vocal effects.
 10.39 p.m.—Mr. Frank Leonard, comedian.
 10.43 p.m.—Mr. Montgomery Stuart, electrician.
 10.47 p.m.—The 2FC Dance Band (conductor, Mr. Eric Pearce).
 10.50 p.m.—Late news and sporting information. Announcements.
 10.54 p.m.—The 2FC Dance Band and Mr. Len Maurice.
 11 p.m.—"Big Ben." FROM THE WENTWORTH CAPE CHURCH HILL, SYDNEY: The New Wentworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Leighton, will be heard until 11.15 p.m.
 11.15 p.m.—National Anthem.
 Close down.

2GB, SYDNEY

Friday

9 a.m.—Music.
 9.5 a.m.—Cherrio Talk.
 9.25 a.m.—Music.
 9.40 a.m.—Psychological Class.
 9.55 a.m.—Music.
 10 a.m.—Health and Diet.
 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.
 4.22 p.m.—Music.
 4.30 p.m.—Close down.
 EVENING SESSION.
 6.30 p.m.—Children's Session.
 7 p.m.—Music.
 7.15 p.m.—Music.
 7.30 p.m.—Topical Talk.
 7.39 p.m.—Music.
 7.55 p.m.—Talk to Men.
 8.05 p.m.—Vocal Solo by DAN SCULLY.
 8.5 p.m.—Address by Professor Ernest Wood.
 8.20 p.m.—Songs by CLEMENT HOSKING.
 1.
 2.
 8.25 p.m.—Instrumental Quartette:
 DAN SCULLY, MONICA BORDER,
 MURIELLE LANG, ADA BROOK.
 8.55 p.m.—Announcements.
 9 p.m.—Topical Talk.
 9.15 p.m.—Piano Solo by ADA BROOK.
 9.25 p.m.—Songs by CLEMENT HOSKING.
 1.
 2.
 8.35 p.m.—Instrumental Quartette:
 DAN SCULLY, MONICA BORDER,
 MURIELLE LANG, ADA BROOK.
 9.05 p.m.—Cherrio Talk.
 10 p.m.—Close Down.

3LO, MELBOURNE

Friday

MIDDAY SESSION.

YVONARD LAMBERT, Violin.
 MADAM LAMBERT, Soprano.
 FRANKLIN STONHAM.
 TASMA TIERNAN.
 PAUL DE BAYONNE, Tenor.
 THE STUDIO ORCHESTRA.
 Accompanist AGNES FORTUNE
 Announcer ALFRED ANDREW
 12 noon.—Time Signal; British Official Wireless News from Rugby; Router's and the Australian Press Association Cables; "Argus" and "Herald" News Services.
 12.20 p.m.—YVONARD LAMBERT, Violin.
 "Aria" (Goldmark).
 "Mazurka" (Szerzchi).
 12.30 p.m.—STUDIO ORCHESTRA,
 "Symphony No. 1," First Movement (Beethoven).
 12.40 p.m.—Stock Exchange Information.
 12.50 p.m.—MADAM LAMBERT, Soprano.
 "Nata Doce" (Tosti).
 "Serenade Inutile" (Brahms).

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- 12.57 p.m.—Grand Duo for Clarinet and Cello, FRANKLIN STONHAM and TABBA PIERMAN.
"Duo" (Beethoven).
1.7 p.m.—PAUL DE RAYONNE, Tenor.
"Funiculi, Funicula" (Denza).
1.14 p.m.—Metreological Information.
1.23 p.m.—MADAME LAMBERT, Soprano.
"Paris" (Lardi).
1.27 p.m.—EDUARD LAMBERT, Violin.
"Sonata No. 5" (Beethoven).
1.37 p.m.—STUDIO ORCHESTRA.
"Pianoforte Quartet" (Beethoven).
1.45 p.m.—PAUL DE RAYONNE, Tenor.
"My Dream" (Tosti).
"The Star" (Rogers).
1.52 p.m.—STUDIO ORCHESTRA.
"Symphony—2nd Movement" (Beethoven).
2.9 p.m.—Close Down.

AFTERNOON SESSION.

THE STUDIO ORCHESTRA.

- Speakers:
"AU FAIT" MRS. M. CALLAWAY MAHOOD
BESSIE GAUNSON, Violin.
ESTELLE MARK TRIO.
EUGENIE DUGGAN, Elocutionist.
NIBLO AND DORIS.
Accompanist AGNES FORTUNE
Announcer ALFRED ANDREW
- #### FASHIONS AND ART.
- 8.8 p.m.—STUDIO ORCHESTRA.
Overture, "Tutu" (Mozart).
8.19 p.m.—"AU FAIT."
"Fashion Talk."
8.25 p.m.—BESSIE GAUNSON, Violin.
"Chanson Louis XIII."
"Pavane" (Courcier-Kreisler).
8.32 p.m.—ESTELLE MARK TRIO.
Song, "As I Went a'Roaming" (May Brahe)
Piano, "Le Printemps" (Sheridan).
Song, "Croon Island."
Violin, "Torch Dance" (Ed. German).
8.47 p.m.—STUDIO ORCHESTRA.
Selection, "Merry England" (German).
EUGENIE DUGGAN, Elocutionist.
"Which Shall It Be."
"The Gambler's Wife."
8.7 p.m.—STUDIO ORCHESTRA.
"Ghazal Suite" (C. Taylor).
4.17 p.m.—NIBLO AND DORIS.
"Comedy Recitation."
"Comedy Song."
"Everytime He Kissed Her."
4.25 p.m.—STUDIO ORCHESTRA.
"No. No. Nanette" (Youmans).
4.30 p.m.—MRS. M. CALLAWAY MAHOOD.
"Art in Modern Life."
4.45 p.m.—"Herald" News Service; Stock Exchange Information; Results of Public Schools Tennis.
6.6 p.m.—Close Down.

EVENING SESSION.

- Accompanist ELSIE BRADSHAW
6.40 p.m.—CHILDREN'S HOUR. Answers to letters and birthday greetings.
6.55 p.m.—BEATRICE BEARD, A.L.C.M., Elocutionist.
"The Jackdaw of Rheims."
"Lost."
6.52 p.m.—"BILLY BUNNY."
"Story for the Little Ones."
6.12 p.m.—HAROLD COLLIER, Mouthorgan Selections.
6.20 p.m.—"BILLY BUNNY."
"Partnership With the Bee."
6.35 p.m.—"Herald" and "Arctic" News Services; Weather Synopses; Shipping Movements.
6.47 p.m.—Stock Exchange Information.
6.52 p.m.—Fish Market Reports, by J. R. Borrett, Ltd.
6.55 p.m.—River Reports.
6.58 p.m.—Market Reports of Fruit, by the Victorian Fruitgrowers' Association, compiled by "The Fruit World," exclusive to S.L.O.

NIGHT SESSION.

- Speakers:
MR. H. W. DAVEY, DR. BROOKE NICHOLS, MR. T. K. LOVE, "CARDIGAN," MR. C. J. WILLIAMS.
THE STUDIO ORCHESTRA.
O'MARA AND BURKE.
SISCA NAVARETTI, Soprano.
EUGENIE DUGGAN, Elocutionist.
"THE FUTURISTS."

SYD BECK, Comedian.
STATION TRIO
"THE COLLINGWOOD CITIZENS' BAND."
JOK BRENNAN AND IDA NEWTON
MISS LEE WHITE AND MR. CLAY SMITH
JOE AMONSON AND HIS SYNCOFATING

SYMPHONISTS.

Accompagnist..... AGNES FORTUNE
Accompniser..... MAURICE DUDLEY
11.15 p.m.—Under the Auspices of the De-
partment of Agriculture, Mr. H. W.
DAVY, Senior Orchard Supervisor,
"Feeding Orchard Soils."
12.0 p.m.—STUDIO ORCHESTRA.
"Lanthe" (Solovoy).

12.10 p.m.—OMARA AND BUREK, Enter-
tainers from the Emerald Isle.
ANNA BURKE, "The Tender Apple Blossom"
(Traditional).
CHAS. OMARA, will entertain you
STUDIO ORCHESTRA.

"Irish Air."
CHAS. OMARA, Baritone,
"Narah Carter" (Stanford).
12.20 p.m.—STUDIO ORCHESTRA.
"La Toccata" (Paganini).

12.30 p.m.—DR. HUBBEE NICHOLLS,
"Homeward Bound."

12.15 p.m.—COLLINGWOOD CITIZENS'

SAID

March, "The Voice of the Gunn"
Overture, "The Southern Cross".

12.25 p.m.—SISCA NAVARETTI, Soprano,
Aria, "Pace Mio Dio" (Verdi).

12.35 p.m.—STATION TRIO, Clarinet, 'Cello
and Piano.

"Trio in A." (Brahms).

12.40 p.m.—EUGENIE DUGGAN, Elocutionist,
"Whisperings in the Wattle-Boughs" (Gor-
don).

"The Angel's Whisper" (Samuel Lover).
12.45 p.m.—COLLINGWOOD CITIZENS'

BAND

"An Evening Song."

12.50 p.m.—MR. E. K. LOVE,
"Technical Talk."

12.55 p.m.—JOE BRENNAN, Assisted by IDA
NEWTON,
Sketch, "Police Station."

"Chorus"

"Girl on the Stairs."

1.0 p.m.—STUDIO ORCHESTRA,
Selection, "Fasting Show" (Finch).

1.05 p.m.—MISS LEE WHITE AND MR.
CLAY SMITH, will entertain you with
songs from their repertoires.

1.10 p.m.—MR. C. J. WILLIAMS, will speak
on "Timur's Wrestling."

1.15 p.m.—COLLINGWOOD CITIZENS'

BAND

Current Solo, "Because." Soloist, F. Crawley.

1.20 p.m.—THE FUTURISTS, present their
Radio Revue.

"Odd Numbers"

"The Computer say How Do to you all."

DISMAL DESMOND and CYRIL NORTH-
COTE try to take a rise out of GUS
DAWSON.

IRA VANDA will sing "Little Things,"
A Domestic Sketchette,
"THE COOK."

The Husband..... GUS DAWSON
The Cook..... IRA VANDA
The Friend..... CYRIL NORTHCOTE
IRA VANDA tries to tell GUS DAWSON
that "Nobody Ever Kissed Her."

DISMAL DESMOND and CYRIL NORTH-
COTE in a few moments of comedy,
Finale by the Company—"Kentucky Sulfur
as You're Born."

1.30 p.m.—"VARDIGAN," Mr. H. A. Wolfe,
Sporting Editor of the "Argus" and "Aus-
tralian," will speak on Saturdays Races.

1.35 p.m.—SYD BECK, Comedian,
"Comedian's"
"Comedian's"

1.40 p.m.—COLLINGWOOD CITIZENS'

BAND

Selection, "Lullaby"

1.45 p.m.—SISCA NAVARETTI, Soprano,
"Tre Glasi son che Non" (Pergolesi).

"The Star" (Rogers)

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

1.55 p.m.—OUR GREAT THOUGHT,
"Without content, we shall find it almost
as difficult to please others as ourselves."
—GREVILLE.

A Radio Bargain

**3 Valve Set in handsome
cabinet, complete in every
detail, including—**

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Extra large size, type	
Super service, 42 volt	28/6

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The Ever-Ready Co. (Gt. Britain) Ltd.

163 Pitt Street

SYDNEY

- 11.1 p.m.—JOE ARONSON AND HIS SYM-
OPATING SYMPHONISTS.
"Just One More Kiss" (Gwen),
"Just a Bird's Eye View" (Donaldson),
"A Cup of Coffee, A Sandwich, and You"
(Mejer),
"Somebody's Lonely" (Davis),
"Baby Face" (Aks),
"Ting-A-Ling—Waltz of The Bell" (Britt),
"Mary Lou" (Lyman),
"The More We Are Together" (Campbell),
"Ruffenraddt," Piano Solo (Bargy),
"Let's Henry Ford" (Leah),
"I'm On My Way Home" (Berlin),
"The Original Black Bottom" (Henderson),
"Hello, Aloha" (Bass),
"Hello, Little Girl of My Dreams" (Berk),
"Sunday" (Miller),
"By the Sign of a Ring" (Fields).
11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Friday.

MIDDAY SESSION.

- 1.0 p.m.—Market Reports: Weather Informa-
tion, "The Daily Mail" and "The Daily
Standard" News.
1.20 p.m.—From Hotel Carlton: Lunch Hour
Music, played by Hotel Carlton Symphony
Orchestra.
1.58 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."
4.30 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 Sand-
man."
7.0 p.m.—Market Reports: Stock Reports.
7.30 p.m.—Weather News; Announcements.
7.45 p.m.—Standard Time Signal.

NIGHT SESSION.

W.R.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
Stansup (Musical Adviser, Department of
Public Instruction; Lecturer in Music,
Teachers' Training College).

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

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

The tutor, Mr. Stansup, will lecture dur-
ing the first portion of each evening, and
clubber music will be played after each
lecture.

7.45 p.m.—From the Reception Hall; W.R.A.
Music Class.

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

SILKSTONE APOLLO CLUB.

The second portion of the programme will
be provided by the Silkstone Apollo Club
(conductor, Mr. T. Westwood), and will
comprise choral and dance work.

- 9.15 p.m.—Silkstone Apollo Club Concert.
10.0 p.m.—"The Daily Mail" News; Football
News; Weather News.
10.30 p.m.—Close Down.

Saturday, May 14
3LO, MELBOURNE

Saturday.

MORNING SESSION.

MORNING SESSION.

THE STUDIO ORCHESTRA.

EUGENIE DUGAN, Educationalist.
DOROTHY ROXBURGH, Viola.
MARJORIE BENAİM, Contralto.
GRACE AND KEATS,
NIBLO AND BORIS,
WALTER SMITH, Cornet.

Speaker:

RT. HON. STANLEY BRUCE, P.M.
Announcer: ALFRED ANDREW
Accountant: AGNES FORTUNE

11.0 a.m.—STUDIO ORCHESTRA

"My Native Heath" (Wood).

11.10 a.m.—EUGENIE DUGAN, Educationalist.

"If We Only Knew" (Sparr).

"Laugh and the World Laughs With You" (Wilcox).

11.17 a.m.—DOROTHY ROXBURGH, Viola.

"Soyez-en!" (Hubay).

11.22 a.m.—MARJORIE BENAİM, Contralto.

"Melisande" (Goetz).

11.29 a.m.—"Just a Wee!" for You," (Jacobs-Bond).

11.39 a.m.—STUDIO ORCHESTRA.

Selection, "Primrose" (Gershwin).

11.49 a.m.—GRACE AND KEATS.

"Fierrette, Fierret and a Piano."

11.57 a.m.—STUDIO ORCHESTRA.

Suite, "The Purple Vine" (Ancliffe).

12 noon.—Time Signal; British Official Wire-

less News from Rugby; Reuter's and the

Australian Press Association Caldes;

"Argus" and "Herald" News Services.

12.20 p.m.—STUDIO ORCHESTRA.

Selection, "Faisal" (Gounod).

12.30 p.m.—Opening of the NEW VICTORIAN

GOLF LINKS, Park Road, Cheltenham, by

the RT. HON. STANLEY BRUCE, P.M.,

transmitted from the Links.

1.0 p.m.—Stock Exchange Information.

1.10 p.m.—STUDIO ORCHESTRA.

"Moment Musical" (Schubert).

1.15 p.m.—Weather Report.

1.20 p.m.—MARJORIE BENAİM, Contralto.

"Beloved, it is Mori" (Ayward).

1.27 p.m.—"Just" (Bradford).

1.37 p.m.—STUDIO ORCHESTRA.

"Esk's Dream—Lohengrin" (Wagner).

1.37 p.m.—NIBLO AND BORIS.

"Song."

"Fisher."

"Home Made Band."

1.47 p.m.—WALTER SMITH, cornet:

"The Trumpeter" (Dla).

1.48 p.m.—STUDIO ORCHESTRA.

"Songs without Words" (Wagner).

2.0 p.m.—Close down.

2.30 p.m.—Description of Burdle Race, Sand-

owdown Park Races, by "Musket," of the

"Sporting Globe."

Results of Echuca Races will be given as

they come to hand.

Results of Public Schools Tennis Matches

will be given as they come to hand.

AFTERNOON SESSION.

JOE ARONSON AND HIS SYNCO-PATING

SYMPHONISTS.

2.45 p.m.—LEAGUE FOOTBALL—Carlton v.

Essendon, transmitted from Carlton Ground,

by Mr. Rod McGregor.

3.0 p.m.—Description of Two-Year-Old Hand-

icap, Sandown Park Races, by "Musket," of the

"Sporting Globe."

3.14 p.m.—JOE ARONSON & HIS SYNCO-

PATING SYMPHONISTS:

"Fig Leaves" (Adney).

"Every Little Thing" (Spencer).

3.15 p.m.—LEAGUE FOOTBALL—Carlton v.

Essendon. Quarter time, description by Mr.

Rod McGregor.

3.25 p.m.—JOE ARONSON & HIS SYNCO-

PATING SYMPHONISTS:

"That Samson and Delilah Melody" (Gre).

"You've got to Black Bluff" (Sparks).

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ISW11	50	100	15 9	18 6
ISW13	60	120	18 6	21 0
ISW17	80	160	22 6	24 6
ISW21	100	200	26 3	28 9

SWD TYPE FOR DULL VALVES.

ISWD5	40	—	11 9	14 9
ISWD7	60	—	15 3	18 9
ISWD9	80	—	18 6	22 9

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for sets with
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and up to
135 Volt.
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4. It will not deteriorate either from continuous use or lying idle.
5. Over 75,000 Balkite "B's" are to-day giving satisfactory service on all types of receiving sets.
6. It is the most economical source of "B" power. With sets of higher current requirements its use is highly desirable for the saving alone.
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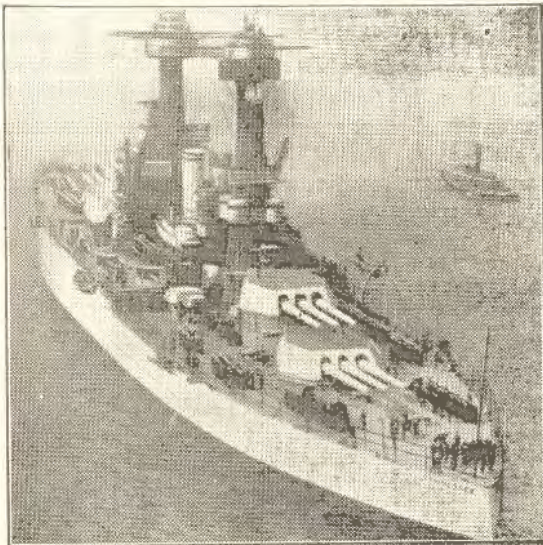
O. H. O'BRIEN (SYDNEY)

37-39 Pitt Street, Sydney.

516 Collins Street, Melbourne

- 8.30 p.m.—Description of Sandown Place, by "Masket," of the "Sporting Globe."
- 9.30 p.m.—JOE ARONSON & HIS SYNCOPATING SYMPHONISTS:
"You Got the Girl" (Donaldson).
"There Ain't No Maybe in My Baby's Eyes" (Kubin).
"Kentucky Lullaby" (Miller).
"The Village Blacksmith Owns the Village Now."
"I'm Laming For You" (Hathaway).
- 9.50 p.m.—LEAGUE FOOTBALL—Carlton v. Essendon. Half-time description by Mr. Rod McGregor.
- 4 p.m.—Description of Sandown Park Handicap, by "Masket," of the "Sporting Globe."
- 4.5 p.m.—JOE ARONSON & HIS SYNCOPATING SYMPHONISTS:
"That's Why We Love You" (Donaldson).
"Take in the Sun, Hang Out the Moon" (Woods).
"I've Been Wasting My Dreams Over You" (O'Hagan).
"Hi, Ho, Ho, Merry" (Woods).
"The Top-Top Ho Ho Ho" (Brown).
"In a Little Spanish Town" (Wayne).
"Hail to the Chief."
"Half a Moon is Better Than No Moon" (Reynolds).
"Tonight, Me—Night with Baby" (Meyer).
"Bye, Bye Blackbird" (Dixon).
- 4.30 p.m.—Description of Sandown Purse, by "Masket," of the "Sporting Globe."
- 4.35 p.m.—LEAGUE FOOTBALL—Carlton v. Essendon. Three-quarter time, description by Mr. Rod McGregor.
- 4.45 p.m.—"Herald" news service. Stock Exchange information.
- 5 p.m.—Description of Trial Welter, Sandown Park, by "Masket," of the "Sporting Globe."
- 5.5 p.m.—LEAGUE FOOTBALL—Carlton v. Essendon. Final news, description by Mr. Rod McGregor.
- 6.15 p.m.—Close down.
- EVENING SESSION.**
Accompanied by ELISE BRADSHAW
- 6.30 p.m.—Sporting Results.
- 6.40 p.m.—CHILDREN'S HOUR. Answers to letters and birthday greetings.
- 6.55 p.m.—NELL CRANE will amuse the children for a few minutes.
- 7 p.m.—"LITTLE MISS KOOKABURRA" will tell you what happens in the brain mensa, while Poozy zooms off after raspberries.
- 6.58 p.m.—NELL CRANE has something more to say.
- 6.11 p.m.—"LITTLE MISS KOOKABURRA" will give another instalment of "The Cruise of the Saucy Jane."
- 6.55 p.m.—"Arzo" and "Herald" news service.
- 7 p.m.—Continuation.
- Aerial mail information by the Australian Aerial Services, Ltd.
- 6.47 p.m.—R. K. Exchange information. Overseas shipping.
- 6.52 p.m.—Fruit 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 Producers' Association, compiled by "The Fruit World," exclusive to 3LD.
- NIGHT SESSION.**
Speaker: MR. E. SIMS.
MR. F. CHAPMAN.
DR. LEACH.
CAPTAIN DONALD MACLEAN.
THE MALVERN "TRAMWAYS" BAND.
ERIELE MAZZI TRIO.
MADAME LAURELLE soprano.
ERNEST WILSON, baritone.
JOE BRENNAN & IDA NEWTON.
SYD BECK, comedian.
"THE FUTURISTS."
NEBU & DORIS.
JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.

- MISS LEE WHITE AND MR. CLAY SMITH.
 Announcer MAURICE DUDLEY
 Accompanist AGNES FORTUNE
- 7.10 p.m.—MR. E. SIMMS, Secretary, Commonwealth Railways, will speak on "Uniform Gauge for Australian Railways."
 7.30 p.m.—MR. P. CHAPMAN will speak on "Fossil Beds of the Torquay Cliffs."
 7.45 p.m.—DR. LEACH will speak on "Senghals."
- 8 p.m.—MALVERN TRAMWAYS' BAND:
 "Sweet Madel' Egyptian" (Lullaby).
 8.16 p.m.—LUCILLE MARK TRIO:
 Fifteen minutes with the famous composer, "Mozart."
- 8.25 p.m.—MALVERN TRAMWAYS' BAND:
 Walks "concrete" (Jokes).
 8.32 p.m.—MARGARET LAMBERT, soprano, selected from Madame Butterfly.
 "Aimee Kid" (Hemlock).
 8.40 p.m.—CAPTAIN DONALD MAULEAN:
 "The Greatest Monster who ever sailed the Sea."
- 8.56 p.m.—ERNEST WILSON, baritone:
 "Old Barty" (Gruet).
 "Mother Macreth" (Lullaby and Ball).
 9 p.m.—MALVERN TRAMWAYS' BAND:
 Librettos, "Siddetta."
- 9.7 p.m.—MISS LEE WHITE AND MR. CLAY SMITH will entertain you with selections from their repertoire.
 9.17 p.m.—MALVERN TRAMWAYS' BAND:
 March, "El slation," "Bonneur Popper."
 9.24 p.m.—JOE BRENNAN, assisted by IDA NEWTON:
 Sketch, "The Fireman."
 "Old Days and News."
 "Eccentric Boy Father."
- 9.36 p.m.—MALVERN TRAMWAYS' BAND:
 March, "Vedella" (Alford).
 9.42 p.m.—SYD LEBUK, comedian:
 Selected.
 9.58 p.m.—"Aspen" news service,
 British official wireless news.
 Announcements.
- 11 p.m.—"THE PLUTONISTS" present their Radio Revue.
 MCGOURN'S CALLING.
 The Company call you up through B.L.O.
 A sad tale of Home Life, A Dog's Life.
 The wife IRA VANDA
 The husband CYRIL NORTHCOTE
 The friend GUS DAWSON
 G. W. DESMOND tells of the trials and troubles of a Con.
 IRA VANDA sings "Gimme a Little Kiss"
 An up to minute Baritone Broadcasting.
 Harry CYRIL NORTHCOTE
 Tom GUS DAWSON
 Harry's wife IRA VANDA
 Uncle Toby G. W. DESMOND
 The Company sings a Finale, "Wonderful Days."
- 10.26 p.m.—MALVERN TRAMWAYS' BAND:
 March, "Beneath."
- 10.55 p.m.—ERNEST WILSON, baritone:
 "Kashmiri Song" (London).
 "Close Progs" (Gardner).
 10.57 p.m.—MALVERN TRAMWAYS' BAND:
 Waltz, "Ammoretta."
 10.45 p.m.—NIBLO AND DORIS:
 "Doc Pater."
- "She's My Boy."
 10 p.m.—MR. NORMAN McCANCE will give a review of to-night's stadium event.
 11 p.m.—OUR GREAT THOUGHT:
 "We only need to be as true to others as we are to ourselves, that there may be enough for everybody." Thurau.
- 11.1 p.m.—JOE ARONSON & HIS SYNCO-PATING SYMPHONISTS:
 "Big Leaves" (Adley).
 "Every Little Thing" (Spencer).
 "The Sinner and the Fish" (Meloy).
 "On the Riviera" (Rich).
 "By the Waters of Minnetonka" (Liberation).
 "That's My Girl" (Osby).
 "I Want a Fandango Laddy" (Rear).
 "St. Louis Blues" (Hawds).
 "Hi, Ho, the Merrie" (Brown).
 "You Need Someone to Love" (Gilon).



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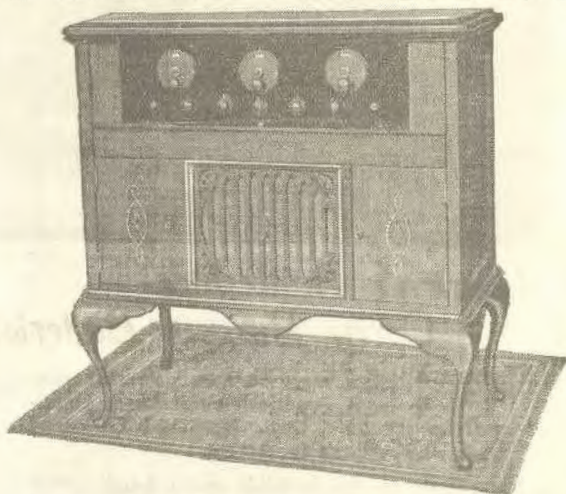
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ALL WIRELESS ACCESSORIES.

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"Calm Hawaiian Seas."
 "Stepping in Society" (Alist).
 "Meadow Lark" (Finlay).
 "Coaxie the Piano—Piano Solo" (Confrey).
 "Speech" (Friend).
 "It Made You Happy" (Donaldson).
 "Mignonette" (Nichols).
 "How Could Red Riding Hood" (Randolph).
 "Clap Hands, Here Comes Charlie" (Meyer).
 "Waltz the Year for Trilling Be" (Kahn).
 "Some Other Bird Whistled a Tune" (Bryan).
 "Moonlight on the Ganges" (Wallace).
 11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Saturday.

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

3.25 p.m.—Tune-in.
 3.30 p.m.—A Maltese for Little Listeners, by "Miss Warrimah."
 4.30 p.m.—Close Down.
 EARLY EVENING SESSION.
 6.30 p.m.—Children's Session's Bedtime Stories by "Uncle Ben" and "Uncle Jim."
 7.15 p.m.—Racing Results.
 7.25 p.m.—To-day's Football Play Described.
 7.30 p.m.—Sailing Notes, by "Tiller."

NIGHT SESSION.

8.9 p.m.—From the National Speedway: Motor Cycle Races.
 8.35 p.m.—From the Gaiety Theatre, Townsville: Orchestral Music.
 9.0 p.m.—From the National Speedway: Motor Cycle Races.
 9.20 p.m.—From Lennon's Ballroom: Dance Music.
 10.0 p.m.—From the Studio: "The Sunday Mail" News Service: Weather News: Glass Down.

ENGLISH ARTISTS: Following their policy to secure the best available talent, 2FC were able to complete negotiations with John Lemmone and Dame Nellie Melba, for a series of broadcast recitals to be given by Stuart Robertson, English bass. He is an old friend of the microphone, having sung for B.E.C. for several years, and he makes his work much more diverting than usual by talking to listeners, and describing the various items he is to give. It will be remembered that Raymond Ellis, that fine English vocalist, adopted a similar plan. Stuart Robertson's appearance on Monday, May 2, with the distinguished composer-pianist, Maurice Besly. Mr. Besly is one of the modern school of composers, who has had a number of very fine songs published in England, and these two artists collaborated to present a number of Mr. Besly's songs in an entirely delightful atmosphere. On May 5, Mr. Robertson will have as his accompanist in the Studio Lindley Evans, who is, of course, associated with the basso in the Farewell Tour of Dame Nellie Melba. His final appearance will be on Monday morning, May 8. He will sing immediately after the ceremony of the opening of the Federal Parliament, which is being broadcast from Canberra.

A GLUT OF OBSOLETE WIRELESS apparatus is stated to be upsetting the Brazilian radio market. Old gear is being sold at such low prices as to interfere seriously with the importation of up-to-date apparatus.

Readers will be glad to learn that the well-known Volten batteries are now available in the country. The Weldon Electric Supply Co., Ltd., are the agents for the Volten Battery Co., of Brooklyn, N.Y., and at present Mr. L. T. West, Director of the Weldon Co., is in Brisbane arranging for the distribution of Volten batteries in Queensland.

THE ROAR OF RACING MOTOR cars does not bring pleasure to everybody, but one Walter J. Snell, who lives at Kelvington, Saskatchewan, Canada, recently wrote to 2BL saying he was extremely pleased to hear the racers' roar at Maroubra Speedway. 2BL regularly broadcasts descriptions of the motor races, and Mr. Snell, listening in at his home 7000 miles away, not only heard the announcer's description—save for slight mistakes in two of the names, he had it word perfect—but he also heard the machines in action. Overseas riders had better take heed—their homefolk may be listening in to their doings on the track.

A REPRESENTATIVE of a well-known produce firm, who has just returned to Brisbane from a business visit to country centres, testifies to the value of radio. He made use of a wireless set to obtain the latest quotations at Roma-street markets, and armed with the information broadcast, he effected numerous deals in produce with good profit to his firm. At Mulgowie an enterprising hotel-keeper has a wireless set installed, where farmers in the district congregate to hear the results of the morning's sales at Roma-street broadcast by 4QG at 1 p.m.

AT A GREAT many schools arrangements are being made for the children and their elders to hear the historic ceremonies to be broadcast from Canberra on May 9 when the Duke of York will open the Federal Parliament and Dame Nellie Melba will sing. At the last meeting of Fairfield Parents and Citizens' Association Mr. Don Campbell drew attention to the Department's expressed desire that the school children should be enabled, by means of radio, to listen to speeches delivered at the opening of the Parliament. Campsie Parents and Citizens' Association is arranging to hire a radio set for May 9, and it is reported in radio circles that from many parts of N.S.W. sets are being loaned or purchased for the historic occasion.

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!

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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.

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AT THE REQUEST of broadcast listeners the Portland, (Oregon, U.S.A.) City Council has passed an ordinance forbidding the use of violet ray, X-ray, and other high frequency apparatus between the hours of 7 and 11 p.m.

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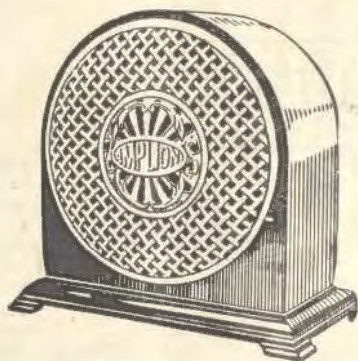
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