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WIRELESS WEEKLY

Broadcast Programmes a Week in advance

VOLUME 9

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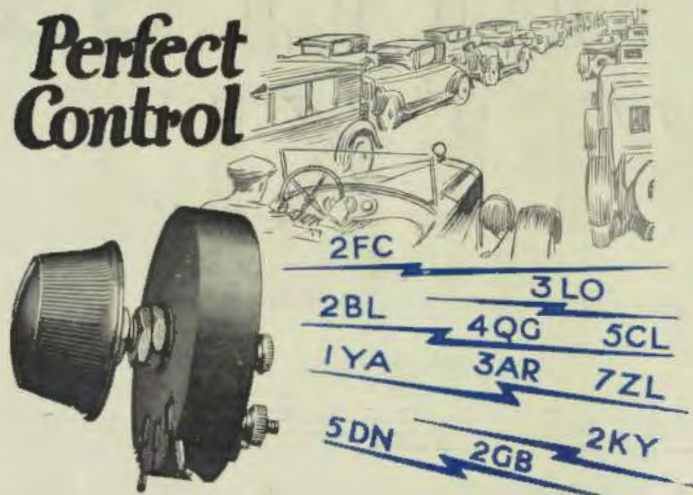
NUMBER 17



Friday, February 18, 1927.

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WIRELESS WEEKLY

VOL. 9, No. 17

FRIDAY, FEB. 18, 1927.

Broadcasting Control

THE question of control of wireless generally and of broadcasting in particular, is very prominent at present. We are all more or less concerned, and somewhat anxious about the future. The Royal Commission is expected by some to decide in favour of tighter control by the Government; by others in favour of actual operation of the services now being given by the companies with the usual restrictions that Government management inevitably brings. On the other hand, there are very many people who expect that a careful enquiry will justify the continuance—or a slight modification of it—of the existing system.

Broadcasting is not a business that can easily be managed by a Government Department; that is, if the service is to be satisfactory to the listeners. One cannot calmly contemplate the diversified service of a broadcasting station being conducted by a Department inexperienced in the running of an entertainment business. And broadcasting is primarily, if not essentially, an entertainment business.

The existing method of conducting the services in Australia is ideal. The management of the business and the running of the services is left to people who understand the business. And the success of the services, judged by the number of licenses, can be gauged in a degree by the capability of that management and the experience that the broadcaster brings into the new service. It is

important, however, that the Government should have a close eye on the doings of the companies, so that the public generally will benefit.

The postal authorities now exercise all the control that appears to be necessary. They have a power of censorship over the programmes, the efficiency of transmission (so as to prevent interference between stations); they can, and do, prohibit political propaganda; they ensure that the companies give a good service or penalise them by withholding the revenue, and they have the power to take over the stations in times of emergency. In the event of war the stations will be directly under the control of the Government. There does not appear to be any necessity for any further exercise of Government control.

In America the question of control of radio is a very live one at present. The powers of the Government have been proved to be defective in law. The courts have decided that any station may use any wavelength it likes.

Last year several attempts were made by Congress to pass legislation to give the Government greater power, but the legislation was not passed. In December, another attempt was made to put the legislation through, but owing to various causes it was not passed.

Our system is better than that, and it would be a serious step—perhaps a step in the dark—to make any changes, unless they be changes that have been proved by the experience so far gained to be desirable.

Between You And Me And The Microphone

Conducted by Jack Plugge



IN THE PAST 12 months 2,000 different individual artists have been placed on the JQG programme.

THE Falun Broadcasting Station (Sweden) has admitted Esperanto to its programmes. New courses in the language have been opened at Munich and Nuremberg, while three Japanese stations are also giving Esperanto broadcasts.

ONCE AGAIN 3LO makes an appeal for jars of Jam for the Berry Street Foundling Hospital. Last year, hundreds of jars were collected, and it is anticipated that this year the appeal will result in nearly double the quantity, at least, this is the target at which the studio is aiming.

MORE THAN FORTY people volunteered for a transfusion of blood at the Royal Hospital for Women, Paddington, following a call broadcast from 2FC recently. Sailor R. Wise of the H.M.A.S. Moreby was selected and the patient's life was removed from immediate danger.

A MOTOR ACCIDENT resulted in the death of a man and the serious injury of his wife and little daughter in Melbourne recently. At 3.52 p.m., the same day, 3LO broadcast an appeal for volunteers for a blood transfusion test at the Alfred Hospital in order to save the life of the child. At 4.20 p.m. six volunteers had arrived. The condition of the child showed a great improvement, and there is still a fighting chance for her despite the serious nature of her injuries.

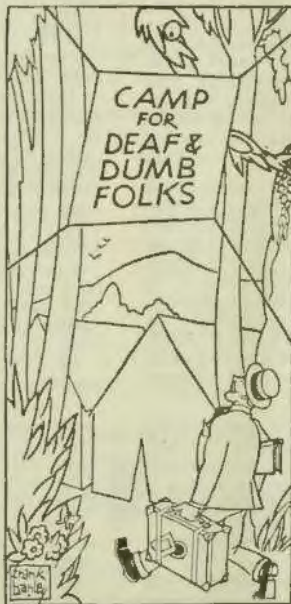
THE PRODUCTION of multi-valve radio sets in the U.S. for 1925 was 2,180,622, an increase of 1045 per cent. over 1923, when 190,374 were produced. In that same period, valve production increased from 4,687,400 to 23,934,658, an increase of 416 per cent. and loud speakers from 623,145 to 2,606,866, an increase of 318 per cent. The value of radio products in 1925 increased 215 per cent. over 1923. The largest manufacturer to give out his production figures is A. Atwater Kent, who is, at this time, turning out 5200 sets a day.

PORTABLE RADIOS with aerials in parasol form are a novelty in Japan.

A BRITISH WIRELESS enthusiast recently looked for a gas leak in his cellar with a lighted match. He was picked up at 16 different stations.

"And now," said the announcer of JCAK during a recent program, "the orchestra will play two numbers—'In the Middle of the Night' and 'Nothing Else to do.'"

Heave a deep sigh
For all the boobs
Who cross up their batteries,
And burn out five tubes.



The Radio Announcer goes on Holidays.

7ZL HOBART, will probably open its 3 kilowatt station at the end of the month. The ceremony will be performed by the Governor of Tasmania.

AMONG THE ATTRACTIONS provided by the Air Ministry for the entertainment of the Dominion Prime Ministers at the Croydon Air Pageant was radio-telephony squadron drill by "Grebe" single-seater fighters.

THE LATEST METHOD of secret radio broadcasting has been invented by Emil Marek, an Austrian engineer of Vienna. The system varies its wavelength 20,000 times each second, and only apparatus properly synchronized can record it.

ANOTHER WORD in season regarding the Stenographer's Competition that 3LO is launching forth in the not too far distant future. The competition will cater for three degrees of proficiency by taking three different speeds, 100, 120, and 160 words a minute respectively. "Pitmans" is the selected shorthand, and there is still time for prospective students to brush up their "Grammologies" and "Contractions."

SOME TIME AGO we published an article by the Rev. F. H. Raward, pointing out that one of the greatest features of broadcasting lay in the fact that it was breaking down denominational barriers. That Mr. Raward was not far from the mark in his contention is demonstrated by a recent episode at 2FC. Sunday, January 27, had been booked for St. Andrew's Cathedral in the morning and the Lyceum in the afternoon. That station was subsequently asked to broadcast the Catholic National Pilgrimage to Canberra. The Dean of Sydney was then approached by 2FC, and readily forewent the booking for his Cathedral and the Lyceum followed suit. The Rev. Father Hayden, of Queanbeyan, who directed the Services at Canberra, has now made public acknowledgement of the generosity of the other Churches in giving up their bookings for the Canberra function.

WHEN broadcasting started, almost every artist was fired with the ambition to become a radio star, and I was one of them. Although I had been on the professional stage for over 10 years, without knowing the meaning of the word "stage-fright," that one attack of "mike fright" left me about as humorous as a busy day at the morgue. However, those days are over, and now working alone before the microphone, I make a mental picture of a friendly audience in front of me, and feel just as much at home as when using an ordinary telephone.

It was while conjuring up one of these visionary audiences some time ago that the idea of the 2FC Hospital Concert Party struck me. Usually my imagination pictured some group of faces in the past and on this day, I remembered how, whilst in military hospitals during the war, we patients looked forward to the visits of various concert companies. I saw again the delight on the faces of my companions when pent-up feelings found expression in some joke.

Then like a flash, even while I was answering Jerry, it came to me. Why not turn that visionary audience into the real thing? All that would have to be done would be to transfer the microphone from the studio to the hospital ward. Jerry almost forgot to reply, and there was a distinct pause in the proceedings, just then, which by the way was duly recorded by a young listener at Orange. I don't suppose he would have believed it had I told him that the 2FC Hospital Concert Party resulted from that pause.

For that is just what happened. When I put the suggestion to the manager of 2FC, explaining how it would help the artists, add life to the programmes, and most of all help the hospitals, he readily agreed.

Listeners-in have only to hear the applause and laughter of the patients in various hospitals to know how we succeeded in pleasing the in-



Rus Garling, the only radio ventriloquist, and his pal, Jerry.

I Am Still Learning

By **RUS. GARLING**

mates, and we are able to form some estimate of the public's appreciation by the many hundreds of letters received from listeners-in telling us of the great pleasure they derive from being able to hear the sick folk enjoying themselves. From the many letters received from invalids whose sole source of pleasure is wireless, I have come to the conclusion that any artist, whether just starting in the profession or at the very top rung of the ladder, should consider it a privilege and an honor to face the microphone, so that their talent may do something to brighten the lives of those less fortunate than themselves.

The management of this party has taught me many things which I would not have learnt as a radio artist alone. I have had a taste of what it is like to be a studio manager, for the selection of artists for a radio concert party presents a few difficulties. Not only is a "microphone voice" necessary, but such artists must have a voice suitable for public platform work and a good stage appearance, and the number of artists who are suitable for both public platform and broadcasting work is very limited.

My greatest trouble has been to find radio humorists. Much has been written about the lack of humor on

the radio; but no doubt listeners-in have noticed that certain humorists are gradually developing a radio technique. The first difficulty in radio work is suitable material, for in ordinary concert work a repertoire of about eight or nine numbers has been known to see some comedians through for many years; but "on the air" there is the necessity of a constant change of programme. An entertainer on the stage who can constantly change his material is always assured constant engagements and big salaries; but broadcasting at present does not warrant high salaries, so there is not the encouragement for comedians to specialize in this class of work; but I am certain that the comedy side of radio programmes will improve with the development of radio. It takes me anything from three to four hours of concentrated work to prepare a routine of jokes to last 12 or 14 minutes in a radio programme, and then one performance only is the life of that routine.

This experience has also shown me how anxious the managers of broadcasting stations are to submit programmes that will meet with the public's approval; but I often wonder if many listeners-in have asked themselves the question, "What can I do towards improving radio?" Let me answer that question for you. In the first place, the manager of a theatre is easily able to ascertain the public's wants by its laughter and applause—but radio managers have not that advantage, so listeners-in can help by writing their own criticisms. Do not be afraid to say you either like or dislike any artist; but be prepared to say why you like or dislike that artist. If you have any ideas what would tend to improve certain artists' work, by all means send them along, for all true artists are anxious to learn, and it is really surprising from what sources one can obtain useful information. Don't be afraid to be honest and frank in either your applause or criticism.

N.S.W.'s Largest Radio Exhibition

OPENS NEXT WEDNESDAY

There will be twice as many exhibitors at the Radio Exhibition this year as there were in 1926. It will be the largest show of its kind yet held in N.S.W.

THOUGH less than a year has elapsed since the Radio and Electrical Exhibition was held in the Sydney Town Hall, the radio industry of the State is again about to present to the public a similar display. This year's exhibition, however, will be much greater in every respect than that of 1926. The Exhibition held last May was in the nature of an experiment, but the interest then displayed by the public has resulted in a much more comprehensive exhibition which is to be opened in the Town Hall on Wednesday, February 23. The Federal Treasurer, Dr. Earle Page, will perform the official ceremony at 2.24 on Thursday.

In several respects the coming exhibition will be greatly superior to last. The 1926 exhibition was held in the basement of the Town Hall, but this year the Great Hall has been booked, and when all the floor space had been allotted, it was found necessary to secure the vestibule as well, a total floor space of 9,000 feet being thus occupied. This shows an increase of 50 per cent. on last year's display. The number of exhibitors also has increased by 50 per cent., being 39 this year as against 26 on last occasion. There are actually 43 separate stands, including 200 square feet occupied by the Amateur Competitions, and a very fine historic display which shows the evolution of the radio receiving set.

Radio is the youngest of the sciences, and many men and women youthful to years are nevertheless veterans in radio work. This display will show the old coherer type of radio receiver, the coherer crystal and every phase through which receiving sets have evolved to the up to date multi-valve instrument using neither aerial nor earth-wire, headphones or even loud speaker and yet fills a room or large hall with a volume of music comparable to that of an organ or brass band. It will include also a multiple tuner, magnetic detector, Fleming valve, commercial crystal and commercial one valve set. It is intended also to display a rotary spark set in action. Great care will be necessary with a rotary spark set.

It is a very spectacular instrument which throws a crackling spark, but it must be handled carefully otherwise it would set up such electrical disturbances in the ether as to silence every other receiving set in the Exhibition.

The five principal broadcasting stations of Sydney, Farmer's Broadcasters, Theosophical, Trades Hall, and Burgin Electric will be taking part in the exhibition and providing entertainments for visitors. Each afternoon and evening one station will make the platform of the Town Hall a studio. The broadcasting artists will sing and perform in full view of visitors to the exhibition, who will be able to see how their words are picked up by the microphone and transmitted for listeners in their own homes to hear.

Programmes of remarkable diversity and excellent musical quality have been arranged by 2FC for the evenings that have been allotted to them. On the afternoon of February 23 and 26 and March 2 and 3, the "Hello Man," "Uncle Monty," and "Uncles Rus and Jerry" will be very much in evidence, for the benefit of the children. Afternoon programmes to be given by 2FC will run from 3.45 to 4.6. Evening programmes on the same dates will present the available talent from 2FC. Madame Elsa Strain will be heard in solos, and in association with Maxim Brodi, the well-known tenor. The 2FC Dance Band of ten members, conducted by Mr. Eric Pearce, will appear each evening. Harrison White's Banjo Band, of nine players, Jack Lumsdaine, entertainer, Charles Lawrence, entertainer, the Chumplin Band of N.S.W., Bondi Beach Concert Band, conducted by Mr. W. M. Partington, Mayo Hunter and his Steel Guitar Orchestra, Alfred O'Shea, Australia's foremost tenor, Alfred Cunningham, baritone, Virginia Bassetti, contralto, and others will join in making radio listeners happy in the possession of their sets. This galaxy of talent will be made available at the Town Hall, and the programmes on each evening will run from 8.15 to 9.15.



Mr. C. C. Faulkner, Director of Radio Broadcast Bureau, and Organiser of the Exhibition.

So far as the electrical side of the exhibition is concerned a magnificent display, particularly of domestic labor saving and comfort affording appliances has been provided. Of late years there has been a steady advance in "domestic electricity" until to-day the modern home is replete with such conveniences as electric cooking ranges, electric washing machines, electric refrigerators, electric bath heaters, electric fans, and radiators. The walls of the up-to-date residence are provided not only with plugs for these electrical utilities, but also for the loud speaker of the radio set, the wires leading to which are hidden in the ceiling or cavities of the walls precisely as the ordinary wiring for electric light and current is concealed.

The exhibition is calculated to show how the innumerable small appliances, which are revolutionising home life. For instance, the pressing of a button as one rises in the morning sets the electrical kettle in action, providing shaving water and the early morning cup of tea in a few minutes. Toast and coffee are made on the breakfast table, and it is not necessary to leave one's chair to see how the bacon is getting on—it also may be cooked on the table. These facts give an indication of the nature of the exhibits, but to gain any real idea of the efficiency to which such appliances as washing machines, bath heaters, refrigerators and the like have evolved, a visit to the exhibition is necessary.

The Great Hall is being decorated with electrical colored festoons, and it may be taken as assured that the general effect will be highly spectacular.

Marconi Predicts Transmission of Power

RADIO television, sight, as well as sound over the radio, is a development just around the corner, according to Senator Guglielmo Marconi in an article on wireless just published in the new thirteenth edition of the Encyclopaedia Britannica. Marconi and Henry Melville Dewett, of the Marconi Wireless Company, Limited (the English Marconi or Parent Company), London, are joint authors of an extensive group of articles in the new Britannica on "Wireless Telegraphy and Radio Telephony"—these subjects being treated in three periods—before, during and after the war.

"Wireless television," says Marconi, "is still in the laboratory stage. It must take several years to develop. But when mature it will prove a very useful and popular extension of the art of broadcasting and radio transmission in general."

The forecasting of television by an authority, no less than Marconi himself, carries conviction and is strengthened in the Britannica's articles on Wireless and its biography of the Senator. The life story of Marconi, written by the Right Hon. Frederick George Kellaway, managing director of the Marconi Wireless Telegraph Company, Limited, is in brief an account of the rapid development of wireless, from the days when the young Italian first experimented at sending messages over the fields of his father's country place near Bologna to the present, when he sits in an office with more high powered sorts of apparatus within reach than were ever dreamed of in the heaven or earth of thirty years ago.

In a recent lecture before the Institute of Radio engineers, Marconi made further predictions.

"I hope you will not think me too visionary," said the wizard of space, "if I say it may be possible that some day electric waves may be used for the transmission of power over moderate distances if we succeed in perfecting devices for projecting the waves in parallel beams in such a manner as to minimise dispersion and diffusion of the energy into space.

"It is quite possible that cities may be lighted without the present elaborate system of wiring and that waterfalls may be harnessed and made to send the power generated from them to cities or factories without the use of expensive and dangerous cables."

Senator Marconi gave this vision of possible uses of wireless waves after he enumerated the uses to which

Recent statements made by Marconi regarding the future of wireless are quoted in this article.
"The transmission of power by radio electric waves may soon be possible," he says.

they had already been successfully put. The Italian inventor declared that, great as had been the discoveries in wireless already, greater ones were coming. Radio engineers five years ago had been confident that they knew more about wireless than they thought they knew to-day.

"I think we are still far from being able to say that wireless is based on well understood foundations, unless, of course, we should go back to the arrangements used in the past which, to my mind, have become more or less obsolete," he said.

"We are yet, in my opinion, a very long way from being able to utilise electric waves to anything like their full extent. This will be the work of future engineers, and with the continual advance of civilisation it will become more necessary in the future than it has been in the past."

Signor Marconi then explained the accepted idea of how wireless waves travel around the earth, in a conducting layer often referred to as the "heavenly layer."

"The ionization of high level atmosphere," he said, "is supposed to constitute a conducting layer of rarified and ionized gasses forming a kind of shell concentric to the surface of the earth, and capable of reflection of bending the waves."

Senator Marconi paid tribute to the radio amateurs, declaring that their observations had often been of assistance to him. He warned, however, against taking their negative results too seriously, since generally they were not in a position to make exact observations.

He then went into details about his new discovery of the beam which eliminates atmospherics and carries messages at a high speed in two directions simultaneously.

"The new system will completely revolutionise wireless communication," he said. "I frankly admit that I am responsible for the adoption of long

waves for long-distance communication. My example was immediately imitated, and every one followed me on the road which led to the building of stations hundreds of times more powerful than would have been necessary if short waves were used and, therefore, enormously more costly. Now I have realised my mistake and have developed this new system, which, when universally applied, will result in sweeping cuts in rates per word of international and intercontinental communications, by which the public will benefit."

He first started working on short-wave wireless, Marconi said, during the World War, when he wished to endow Italy with the most rapid and most secret wireless system possible. His first experiments were made in Genoa in 1916 and although they did not lead to any positive results, were of such a nature as to convince him that he was on the right road. It was not until 1923 that he was able to establish the first long-distance communication by his new system. Using special type reflectors of his invention he succeeded in sending signals over a distance of 3200 kilometers (1928 miles) by day and 4100 kilometers by night.

As soon as the idea of short-wave transmission had been launched, Marconi continued, both experts and amateurs dedicated themselves with enthusiasm to exploring this new field. They obtained results often noteworthy, sometimes surprising, but not sufficiently constant to permit continuous and intense exchange of messages at high speeds.

"I, who knew what a high standard of perfection modern commercial telegraphy requires," said Marconi, "was not satisfied with these results and set myself to evolving a system which, by combining high speed with the greatest possible reliability of transmission, would assure rapid and economical communication between the most distant continents."

He persevered and, ten years after his first experiments had reached what he considers a complete solution of the problem.

Much of his experimenting was directed toward determining the most suitable wave length to use. He concentrated on four wave lengths, namely, ninety-two, sixty, forty-seven and thirty-two meters. The last of these proved to give the best results under all conditions in the daytime. His experiments convinced him, however, that even shorter waves would

have been better and would not have been influenced by the sunlight.

"This discovery opens up a field of the most interesting scientific speculation as to the theory of the propagation of electric waves around the globe," he said.

Marconi then briefly reported the tests to which his new system had been subjected in England. Results of these tests, according to his statement showed that over a period of seven days and seven nights uninterruptedly 1300 words amminute could be exchanged between England and Canada. During certain periods of several hours a speed about twice as great was maintained.

Referring finally to the advantages which this new system offers over the old one, Marconi asked: "What of the economic future with the colossal existing expenses saved, now that stations will be built on this new system at only one-tenth of the present cost and can transmit messages at a greater speed with greater safety, using less than one-tenth of the power?"

The new system, he said, makes wireless completely independent of atmospheric disturbances, even in the tropics, greatly decreases the phenomenon known as fading, renders speed enormously greater and makes stations far more independent of one another.

"I am convinced," Marconi concluded, "that my new system will confer these same benefits on radio-telephony and will enormously facilitate the developments of wireless transmission of photographs and television. It will also be of enormous utility in broadcasting, as it will permit the subdivision of this most important service into various zones or sectors. Thus, for instance, Rome will be able to transmit speeches or music to the United States and will be at the same time able to transmit a totally different program to Australia, with much higher efficiency than any so far reached."

ANSWERS TO ANXIOUS.

If a radio fan's wife is getting plump, what can he do about it? Ans.: Condenser.

If she is a brunette and he prefers a blonde? Ans.: Transformer.

If she is inclined to be wild? Ans.: Rectifier.

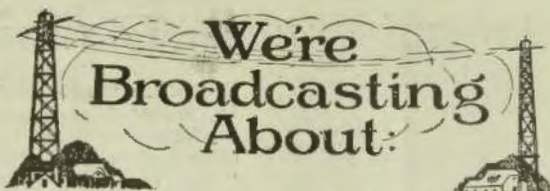
If she elopes with the repair man? Ans.: Arrestor.

If she gets grouchy? Ans.: Ticker.

If she wants to meet him for lunch? Ans.: Meter.

If she insists upon his going to bed? Ans.: Resistor.

If she still insists? Ans.: Eliminator.



SYD. SMITH'S CRICKET TALK:

A great deal of interest has been raised by Mr. Syd. Smith's interesting chats as manager of the last Australian cricket tour. The final instalment will be given from 2FC on the evening of Friday, February 25.

ON SUNDAY, February 27, 4QG will broadcast the morning and evening services from St. Paul's Presbyterian Church; afternoon service provided by the Church of Denmark Abroad; Band Concert from Wickham Park.

ON THE NIGHT of Friday, March 18, there will be broadcast from 4QG an item termed "things we don't hear." By means of a special microphone, designed and constructed by the engineering staff of the station, a number of sounds which are quite commonplace, but, which are quite inaudible to the human ear, will be reproduced and broadcast.

RADIO ENTHUSIASTS are looking forward to hearing Dame Nellie Melba over the air during the forthcoming celebrations at Canberra. Melba has several times announced a last final farewell appearance, and it may not be long before she leaves the concert platform. Her appearance at Canberra will therefore be the more welcome to listeners, especially as she has not been heard over the air in this State.

MEXICAN PROGRAMME: Radio listeners look for novelty, and will hear something to their liking on Sunday evening, March 6, from 2FC. A visiting Mexican journalist, Mrs. Consuela de Aldag, has an interesting talk to give concerning the quaint old customs of her country, which will be interspersed with a number of Mexican songs previously not heard in Australia. The manuscripts are in the sole possession of the lady, and they will be interpreted by Miss Annie Payne, mezzo. In addition some unusual South American records are to be played. This programme will be given before the usual church service on that evening.

AN ENTERTAINMENT provided in the Reception Hall of Messrs. Olsen and Goodchap, Woolongabba, will be broadcast from 4QG on February 21. Dance music from the Crystal Palace will follow.

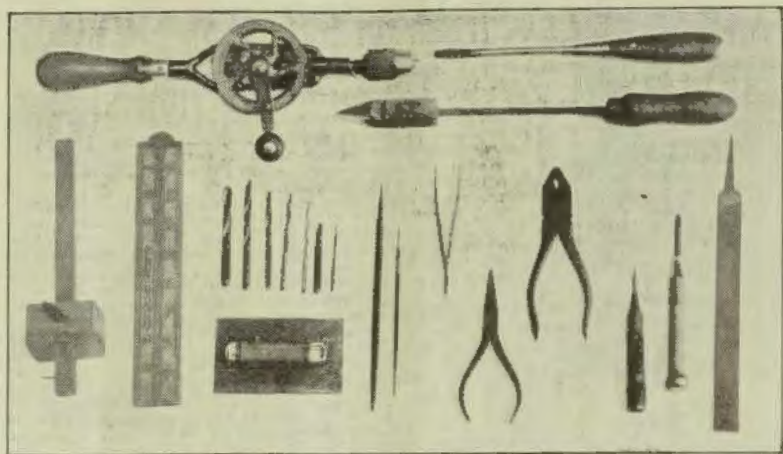
OWING TO THE great interest evinced in the lectures last year delivered from 2BL by Dr. Morris, Director of Maternal and Infant Welfare, Broadcasters have arranged for a series of similar lectures. The first of these will be given next week.

EXTENSIVE ARRANGEMENTS have been made at 4QG for the broadcasting of the ceremonies associated with the visit of the Duke and Duchess of York. Every occasion where it will be possible transmissions will be effected.

THE FIRST PORTION of the evening's programme from 4QG on February 24, will comprise a choral recital by the City Tabernacle Choir; the second half of the programme will be provided in the studio and will feature the West End Salvation Army Band.

AN INTERESTING feature arranged by 2BL is an All-Australian programme to be given on the night of February 22. The Australian composers and artists who will figure on the programme are, Mr. Alfred Hill, Miss Tessie Marshall, Mr. G. Vern Barnett, Miss Agnes Caspers, Miss Esther Kahn, Miss Millie Hughes, Miss Maizie Barnett, Mr. Lance Jeffree, Mr. Chas. Snodgrass, Miss Dulcie Blair, Mrs. Nellie Wetherill, and Miss C. L. Robertson.

MOOREFIELD RACES: Commencing on February 19, 2FC will include Moorefield in its list of courses from which races are described in the running. Hundreds of letters reach 2FC from country racing men every week thanking the Racing Commissioner for his lucid broadcasting of events. Now that Moorefield has been included, the whole of the racing on metropolitan courses can be heard from 2FC.



Tools for the Home Constructor

THERE is no more fascinating hobby than building one's own wireless receiver. That "something accomplished something done" sort of feeling is very pleasing to experience when the completed receiver is "put on the air" and perks satisfactorily. That feeling of pride; that "I have built it myself" feeling, satisfies the vanity of even the humblest of persons. It is pleasing to hear one man vie with the other over the merits of a home built receiver.

After all, wireless is a hobby that calls for very few tools. Wireless of to-day, of course, is meant not the wireless of fourteen or fifteen years ago. The writer remembers some years ago the average wireless constructor required a fully equipped engineering workshop to keep abreast of the times in the developments of radio. In those days no one catered for the supply of even crystal detectors, cardboard tubes, sliders, etc. All had to be made by the constructor himself. Compare the conditions of to-day, when all the constructor has to do is to assemble the parts that are factory built.

This means that the tools required are few indeed. Essentially, one must have a screwdriver and a pair of pliers. The pliers should be of the usual electricians' type, with square jaws and cutters at one side. For making right angled bends in bus-bar, these pliers are indeed very useful, and when the length of the bus-bar has been determined, it may be

cut by the same pliers. To tighten up the nuts, etc., these pliers are certainly ideal, and they last for years. One feature about them is the fact that when wanted most they are never to be found. Pliers are a nuisance in this respect, they are so handy round the household that the lady-folks succeed in using them for hammering tacks, opening tins and stringing beans, whilst father finds it handy when his bottle opener is mislaid and he is anxious for a drink of milk. So when these pliers go amissing, look for them in or around the kitchen.

For making neat loops to fit snugly under nuts, etc., a pair of round nosed pliers just fill the bill. They are cheap enough, and serve many purposes, particularly if they are of the long nosed variety. In the illustration these tools are seen side by side. To the right again is found the automatic centre punch, which is really a refinement. An ordinary centre punch is quite suitable, but the advantage of the automatic centre punch is that when the panel is marked out it is only necessary to press on it, and the required indentations made on the panel. This is accomplished by means of a spring, which releases a hammer-like action on the point, which is correspondingly forced into the article being centrepunched.

In marking out a panel a very useful accessory is the ordinary carpenter's gauge. In the average set employing condensers and rheostats

it is usual to place these components all on the one level, generally about three inches from the bottom of the panel. How handy is it to set this gauge at three inches and measure off the distances between the components with the usual rule, and make a neat mark with the point of the gauge on the location for the component in question. The centre punch can then be used to make these markings more conspicuous. Thus, much time is saved and overcomes the necessity for pasting a template on the whole of the panel and marking out with pencil and rule.

While on this subject of pencil and rule we may be pardoned for again stressing the foolishness of marking out different positions on the panel with a pencil. Never apply a pencil to a wireless panel, because the carbon or the graphite in a pencil provides a good path for electric current, and thus is accounted for many strange leaks in receivers which are very, very hard to trace. The carpenter's gauge and rule is a very good substitute, and both are very easily used.

On the top left-hand portion of the illustration is found a rotary brace or drill, and this, together with the few twist drills or bits seen underneath, while not entirely indispensable, are a decided acquisition. Most of the radio dealers to-day will supply the constructor with a panel of any size drilled to his requirements for just a few pence above the price of the panel. But the con-

structor who desires to carry out all his own work will be pleased to possess a suitable drill. This drill should be able to accept bits up to three-eighths of an inch in diameter, and when purchasing one would be well advised to note that the drill runs true. An occasional drop of oil in the holes provided for this purpose is the only care that a drill requires, and it must be admitted that this is not difficult.

When drilling a panel, as we have mentioned over and over again, the secret of success is to use a high speed and a light pressure. Employing this method of drilling overcomes that tendency that the average constructor has to flake the back of the panel. Sometimes it happens that a larger sized hole is required than is provided for in the stock of bits. This is usually easily overcome, using the nearest size, and enlarging the holes using the tang of a file as a reamer. If the tang of the file is not large enough for this purpose, a rat-tail file will be found an excellent tool. Only remember, when using the rat-tail file, be very careful, as with the pressure applied to enlarge a hole

the file is apt to slip out of the hole and glide along the panel. If this sad state of affairs steps in, touch up the panel where the score is made, with a drop of Indian Ink, which will render the scratch scarcely discernible.

A smaller sized rat-tail file, just the tool required, to enlarge a condenser fixing screw-hole. Often one is not careful in centre-punching through a template, with the result that the condenser when being fixed to the panel, is out in one or more fixing holes. This smaller sized rat-tail file can be used to advantage and without unnecessarily enlarging the hole all round can extend the length of one side without any derogatory effects being experienced when the condenser is fixed, nor does it mar the appearance when the dial is placed in position. Many other uses can be found for these rat-tail files, and also the big file.

To square up a panel, the big file is very good indeed, and for shortening screws, cutting brass, and so on, many uses will be found for which the big file can be placed. One of the best means of squaring and filling a

panel is to employ an ordinary carpenter's scraper, costing about sixpence in the average ironmongery store. Most people have seen a carpenter using a scraper, but very few know that this scraper leaves a nice smooth edge on the wireless panel. The one shown in the illustration is very rusty, but still it renders yeoman service and will continue to do so for many a day to come.

On the top of this scraper is seen the solder and flux used by the writer. This is known as Wonder-Flux, and is non-corrosive, therefore being preferable for wireless purposes. It is very easy to use in conjunction with a nicely thinned, hot, soldering iron, which is shown below the drill. Soldering is not a subject we propose to deal with here, as it has been touched on so frequently in the constructional articles in our paper, but it is absolutely essential to always remember that the iron should be kept well thinned, as this renders soldering easy.

A recent addition to the tool kit is a pair of tweezers. You know how difficult it is sometimes to insert a nut on its screw in an awkward position. The tweezers are just the thing for this, as the nut can be held between the prongs, placed in position, and started off on the thread of the screw to be tightened with the aid of the pliers. Many other uses can be found for tweezers, particularly holding two pieces of busbar together while soldering, and for picking up that nasty little nut which insists upon falling on the baseboard amongst all the "works" and is difficult to reach. Use the tweezers.

There should have been included in this photograph a small Shellac brush, but like pliers this brush is often used by other members of the family. The one we desire to include had been in use and had not been washed, but after all, don't you think we are all grifted accordingly? We all hate to do the washing up, even with paint brushes, so please forgive the omission. But the shellac brush should always be found in the tool chest, for besides being useful for applying shellac to the baseboard, when it is clean and dry, it is an excellent means of removing dust from the various apparatus. Get one.

These are all the tools that are really required by the radio constructor. Some are more fortunate than others in having a hack-saw and a coping-saw. These are things that can be added as time goes on, as can the usual carpenter's plane, saw, etc., any for which one found every day. And, my, don't you always stop and peer wistfully into the window of the tool shop.

Some Pieces in the Programmes

By EWART CHAPPLE

NORMAN JANSON, the well known baritone, will present at the 2FC on Monday evening, February 21, a selective group of songs by Eric Coates, the well known English composer. Eric Coates, who has come before the public very much during the last few years, has the faculty of writing delightfully melodious ballads; ballads that appeal to people who appreciate the better type of song, as well as for those who favor the more popular style. His most recent song, "Bird Songs at Eventide," is likely, ere this year has passed, to have established itself a firm favorite with song lovers.

Eric Coates was born in 1886. He studied the Viola and composition in Nottingham, and in 1905 was awarded a scholarship at the Royal Academy of Music for the Viola, and studied with Lionel Tertis, and composition with Frederick Corder. His original idea was to devote all his attention to the Viola, but he soon found his instrument taking a very secondary place to his composition.

He was lucky in making a success with one of his first songs, "Stone-cracker John" written while a student at the Royal Academy of Music, when he was twenty. About this time he composed his "Four Old English Songs," for soprano and orchestra,

which were first produced at a student's concert at the Queen's Hall, and which have since been sung by all the leading singers of the day, including Dame Nellie Melba. He was associated as viola player in several quartettes, and in 1907 toured South Africa with the Hamburg String Quartette.

On his return to England he joined the Queen's Hall orchestra, and held the position of principal viola until 1919. He has since given up his instrument to devote his attention entirely to writing. His first orchestral work was the "Miniature Suite," produced at the promenade concerts at the Queen's Hall by Sir Henry Wood, in 1911. Later works produced at the same concerts under his own direction are "Country Ride Suite," "Summer Days Suite," "Wood Nymphs" (7alsetto), "Moresque" (Chase Interlude), etc. Among his latest songs may be mentioned "Brown Eyes I Love," "In Town," "Mendin' Roadways," and "I Heard You Singing." There is no doubt a great deal will be heard in the future of this young English composer, who possesses so much ability in the making and composing of music of such an essentially English nature, and which is so replete with melody and delightful harmony.

I Drop in at 3LO

And discuss the Dearth of Radio Sketches, the 3LO Girl, and a Jam Appeal with the Studio Manager.

By H. ELLO

CHATTING a day or two ago with the manager of the 3LO Studio, I happened to mention the dearth of really good sketches "on the air." The trouble with those people is that they never let you get a really good kick in, because they blandly tell you that they have already proceeded to cure the defect you mention, or to provide the entertainment you suggest.

This man smiled at me winningly. "Funny thing you should mention that," he said. "You know Pressy Preston, the comedienne and Reg. Wykeham, the actor, don't you?"

Irritably I replied that I still lived in the world, and not in the great open spaces where men are nowless. He was quite unruffled.

"Well, we're engaging them both to put on just the sort of sketches you want," he said. "Now what are you to do with a man like that?"

"Furthermore," he went on, "we have just fixed up with Osborn and Porrier, a very good vaudeville turn, to do some of their clever Cockney sketches. Oh, we're keeping in touch with public opinion, all right," he concluded. I reached for my hat, packed up my grievance and departed.

Reg. Wykeham is at present the "crook" chauffeur in "The Last of Mrs. Cheyney," having learnt to drive a car as the chauffeur in "The Naughty Wife." I should think he has just the knack of putting over an airy sketch. Pressy Preston I remember as a very exuberant low comedienne, who packed laughs into any part she was given. I haven't seen her for years, but am glad to know she is still on deck.

I have had some private advices from New Zealand that the people are all agog to see the girl 3LO unearthed as the finest all-rounder obtainable. I have decided that I will never go in for a beauty prize. It is too difficult to live up to the exaggerated ideas sent ahead of you. Miss Harper is a pretty capable girl, but what those New Zealanders are expecting to see would have an angel from heaven looking as if she had gone through a dangerous illness. Nothing but the best will do them. They have been wrought up to a great pitch of excitement.

I believe that in a few weeks' time the new studio of 3LO will be about finished. The old one will fall into the wrecker's hands, in order that the new theatre may arise on its site.

The new studio is situated near the King's Theatre. Its sign will be a huge microphone over the door, brilliantly lit at night. A feature will be the enormous size of the main room, with its special acoustic provisions enabling the best of music to be accurately transmitted. In the smaller studio there must of necessity be blurred, uncertain tones. The experts who are advising on the construction of the new room are insistent on correct acoustics.

There will, of course, be smaller rooms for individual broadcasting, and possibly, for one-act plays which would be lost in a larger chamber. Much provision for the public will be possible, under the new conditions. This is good, for the 3LO concerts have proved a great draw to the general public. It is quite a usual thing for folk to "drop in" and see for themselves those who have hitherto been voices only.

A Jam Appeal.

I wish people had been kinder to me when I was a child. I never got as much jam as I wanted, and lots of the stuff I did get had powder meanly concealed about it, a fact which made me eye all jams except the more expensive kind with an ingrowing suspicion.

The infants of the present day are more fortunate. A whole State supplies their needs. You may remember that last year an appeal for jam to supply the Berry Street Foundling Hospital with "linked sweetness long drawn out" was made from 3LO. The result kept the Hospital in jam for nearly twelve months.

Well they're going to do it again. These babies must live on jam, but they've got to have it. Poor little beggars, they have missed so many things better even than jam, that it's up to us to supply what we can of so simple a commodity.

Pots of it, jars of it, buckets of it are wanted—or the money wherewith to purchase it. All listeners are asked to see that at least one pot is ordered



from the grocer, post paid, addressed to the Foundling Hospital, Berry Street, East Melbourne.

Good housekeepers who are never found jamless, who buy fruit in even a bad year, will surely spare a pot of their best for sugar-babies in the Home.

MAGGIE FOSTER: Rarely has an individual artist given more sheer delight to listeners than Maggie Foster, the youthful and gifted Sydney violinist, who is broadcasting from 3LO. Apart from the true artistry she displays in her contributions to the programmes, her choice of solos is carefully studied with a view to giving pleasure to the older folk.

"I always make a point of giving one or two old melodies wherever possible, such as 'Silver Threads among the Gold' or 'Home Sweet Home,'" she explained. "For, as so many people cater for the young folks, and 'jazz' seems to be the order of the day, I do not feel I am depriving the young people of anything by giving their parents a little of my attention."

CLASSIC FOUR: That masterly musician, Mr. William James, spares no pains to make his contributions to the programme of 3LO intensely attractive and instructive. Having given us the Pied Pipers, which are little short of a revelation as to what can be done in the way of singing nursery jingles arranged to the tunes of old familiar hymns, he is now introducing listeners to the Classic Four, a quartette of brilliant vocalists who propose to feature selections arranged as quartettes from the better known Comic Operas, such as "The Merry Widow," "Maid of the Mountains," "Lilac Time," and "Rose Marie."

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.



PREFERS 4QG.

Dear Sir,—I am a new recruit to the Radio Army, and wish to voice my opinion of 4QG, which seems to be always under criticism. When I first contemplated installing a receiver, my radio friends told me that I would not waste much battery power on that station, but now that I can speak from experience I think that 4QG sends out some very fine programmes. I find the Southern Stations also good, but their popularity is due not so much to programmes as to the fascination of reaching out after the distant stations.

Yours, etc.,
A.C.N.

Cordoba.

NOT ENOUGH SPORT.

Dear Sir,—I submit that in this country, particularly in Sydney, there is not enough time taken up in broadcasting sport. What is more enjoyable than a whole afternoon spent listening to a first-class description of a cricket match, which all the people in the back country thoroughly enjoy, also the broadcasting of racing news, starters, colors and description of races being run, and news session. We cannot get enough sporting comment and news through the wireless.

Yours, etc.,
DUPELX.

Excelsior.

BOUQUET FOR TECH. ED.

Dear Sir,—I wish to congratulate 2FC on the quality of its transmission, but I think that one improvement could be made in the programmes. That is to allow the Technical Editor of "Wireless Weekly" a longer talk each Thursday night. This item concerns every listener-in, and there are few who, sooner or later, do not become interested in their receivers.

Yours, etc.,
W.Mc.

Lawson.

[The Technical Editor of "Wireless Weekly" answers all queries from 2FC each Thursday night.]

ENFORCE PAYMENT OF FEES.

Dear Sir,—In view of the fact that by law the "A" class broadcasting stations are entitled to a certain percentage of the fees paid by users of receiving sets, the Postmaster-General's Department seems to forget that to that extent it is a trustee for those stations, and surely it is a very serious breach of trust if the Department does not establish the necessary departmental machinery for forcing the dishonest users of sets to pay the required fees. Probably there are just as many people evading payment as there are paying. From a business point of view it would be well worth while spending a good many thousands of pounds in enforcing the payment of many tens of thousands of pounds in N.S.W. alone.

If the matter were only given attention it could be dealt with quite simply. In the first instance, the dealers should be allowed to sell sets or parts only to persons who produce a licence. In this way the fees would be paid, for the first year in any case, before possession. Then the Department should adopt similar principles as are applied to telephones, namely, that the Department retains a quasi-proprietary right in every set, giving power to seize any set upon which a licence fee is due in any succeeding year.

Couple with this compulsory notification of change of location of sets and the Department would be possessed of a register and information, which it could effectually use to enforce payment of fees with the aid of a comparatively inexpensive and small band of inspectors, whose salaries would be a very small percentage of the revenue. A Departmental organization to carry out such a scheme already exists in the Telephone Department, and it would only need augmenting. Besides, the supervision of sets, which such a scheme would provide, would help considerably to remove some of the annoyances to which listeners in are often subject on the air.

Yours, etc.,

C. G. C. CHRISTIE, LL.B.

Strathfield.

MORE PIRATES.

Dear Sir,—In justice to myself and other B.C.L.s. I wish to bring under your notice a practice among country telephone subscribers which I think is illegal, affecting as it does the revenue of the broadcasting companies and wireless dealers.

There are very many country telephone subscribers who have what is known as one, two, three, four, or five party lines. One subscriber owns a multi-valve wireless set and places his loud speaker right against the telephone. He pays for his set and licence, but the other telephone subscribers and also the telephonists have the benefit of the broadcast station free of charge, simply by lifting their telephone receiver from the hook. I have noticed this practice in every part of N.S.W.

Yours, etc.,
B.C.L.

Westmead.

LOOKING FOR IMITO.

Dear Sir,—I protest against animal imitators. They should all be shot at dawn—particularly one, Corporal Phillips, who, under the name of Imito, broadcast bird and animal calls on Tuesday night, February 8. I am righteously wrath. In my home the family consists of two Persian cats and a five valve radio receiver. They are not allowed to mix—never wished to mix, until Imito mimicked cat calls. Then they did mix, and properly too. My two kittens sprang for the loud speaker, answering Imito, and finally finished up inside the horn, which, resting precariously on the top of the receiver, couldn't stand the strain and toppled over my good valves, wrecking three altogether.

Now, what I want to know is—who is going to replace my valves—2FC or Corporal Phillips? One or the other is at fault, and I must claim on one or both. I insist on satisfaction, and if ever I meet Imito in the street he will be left as an imitation of what it is now. I am six feet in height and weigh fourteen stone.

Yours, etc.,
V.D.W.

Carrathool.

IT'S ALL IN THE AIR

Coming Features in the Broadcasting Programs

SO SUCCESSFUL has been the reception by listeners of the Church Services broadcast by 2BL that arrangements have been made to extend the feature. To the services already broadcast will be those from the Randwick Presbyterian Church (conducted by Rev. W. Grant), which is noted for its choral music. The service from this Church will, in future, be broadcast once a month by 2BL.



Madame Elsa Stralia, the famous dramatic soprano, who will sing from 2FC on the night of the opening of the Radio Exhibition.

THE FRENCH TALKS broadcast lately from 4QG by Comte de Tournouer, the president of the Brisbane Alliance Francaise, have proved of exceptional interest, and numerous comments regarding them have reached the station from all quarters.

FOLLOWING its policy of giving every facility for Women's organisations to carry out propaganda work, 2BL has arranged for a series of lectures and recitals to be given by the National Council of Women, which is representative of all the Women's organisations of N.S.W. This was initiated on February 9, when Miss Marie L. Farquharson, hon. secretary of the Council, delivered an address on the origin and purpose of the organisation. In addition, a pleasing musical programme was rendered by members of the Council.

THE PIANOFORTE WORKS of Chaminade, the famous French woman have become universally known and appreciated for their piquancy and charm; her song, "Twas in a Land," will be broadcast from 4QG, by Mr. A. N. Falk, on February 21.

AUSTRALIA VERSUS THE REST: Knowing the general interest that will be taken throughout Australia in the benefit match for C. G. McCartney, when Australia will meet the Rest, 2FC has made arrangements to give a full description of the game. On each day of play a running description will commence at 11.30 from the S.C.G., with the full scores at intervals of 15 minutes. Interesting sidelights of the game will be broadcast, together with the remarks of many of the more enthusiastic bar-rackers.

SPEEDWAY ROYAL: The descriptions from the Speedway Royal of motor cycle racing have become a very popular item from 2FC on Saturday nights. This is largely due to the clever broadcasting of Mr. J. S. Hoskins. An old rider himself, Mr. Hoskins enters into the spirit of things. He gets across the back of a seat and rides the race—every yard of it—in front of the microphone describing what is occurring on the track from start to finish. When the race is over, Mr. Hoskins dismounts in a more distressed condition than the riders who have actually taken part in the event.

"LISTEN, CHILDREN": You all know who Mr. E. J. Van de Velde is. Remember the wonderful talks from 2FC about the flying trips he made over N.S.W. and Victoria, and all these talks about the Zoo animals? Well, he is going to give a whole morning to the children, and all the members of the 2FC Radio Birthday Club are being sent an invitation to come to Farmer's Exhibition Hall on Saturday morning, March 6, and hear Mr. Van de Velde tell about the wonderful birds and animals of the different Zoos of the world. We believe he has some cinema films taken, which will be shown at the same time, and if you are unable to come to Farmers you will be able to listen in, because 2FC are broadcasting the story.



Maxim Brodi, celebrated Russian tenor, who is also in the 2FC programme on February 23.

ARRANGEMENTS HAVE been made by 2BL for the exclusive broadcasting of a description of the fifth Annual Henley Carnival, to commence on Leichhardt Canal, under the auspices of the Leichhardt and Huberfield Rowing Clubs, on February 26. The main features of the first day will be the rowing events, and a procession which will leave Ashfield Town Hall at 2.30 p.m. There will be 17 rowing events—the greatest number to be held at any Regatta in N.S.W.—and their description over the air should give listeners an interesting afternoon.

SOME NEW ARTISTS FROM 2FC. Miss Peggy Peat (Soubrette), Miss Frada Gilder (contralto), Mr. Cy. Pier (Ukelele troubadour), Miss Irene Jay (Entertainer), Miss Maude Telfer (Soprano), Mr. Arthur Aldridge (tenor), "The Four Waifs" (Quintette), Mr. Cliff Arnold (Novelty Pianist), Mr. Laf Tremain and his Dance Orchestra, Miss Essie Lasker (Contralto), Mr. Howard Steel (champion cornetist), Miss Jessie Bartlett (mezzo), Mr. Frank Lowe (Trombone), Miss Margaret James (Soprano), Mr. Arthur Ash (flautist), Mr. Raleigh Pheloung (euphonium solos), Miss Marjorie Cole (Soprano), Mr. Frank Leonard (comedian), Mr. Laurence Broadbent (Basso), Miss Amelia Franceschi (soprano), Mr. Herbert Fortescue (tenor horn), Mr. Harry Randall (Trumpet), Mr. John Hatton (Baritone), and Miss Marion Penman (Soprano), from B.B.C. London, and Mr. Eric Garside, Flute solos.



Some Points of Interest :

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This year's exhibition is in the Great Hall and Vestibule—50 per cent. larger than last year.

EXHIBITION OPENS 11 A.M. NEXT WEDNESDAY,
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Admission, 1s.

Children under 15, 6d.

C. C. FAULKNER,

2b Castlereagh Street, Sydney, Manager

Strasbourg Clock

How few people know of the existence of the famous model of the Strasbourg Clock in the Technological Museum, Sydney. Forty years ago, Mr. R. B. Smith completed this model, which took years of tedious work, and in these days it was shown in a shop in Oxford Street. It created a tremendous amount of interest, and was purchased by the Museum authorities and placed in the old Museum, which was then in the Domain, but later on was moved to the present building at Harris Street, Ultimo. The inventor, Mr. Smith, has been in constant attendance at the Museum, winding and regulating the clock, and giving public demonstrations every Sunday afternoon. Tens of thousands of people have marvelled at the ingenuity of this remarkable piece of mechanism, copied faithfully from the original Strasbourg model, which was erected in 1432. Mr. Smith has added many features to his own model, but the principle of the old Viennese clock is followed by the procession of the apostles, the crowing of the cock, the denial of the Saviour of Peter, and the whole procession goes through, as each hour is struck. This has gone on for two generations, and will be an object of admiration and wonder for many years to come. Struck with the originality of this from a broadcasting point of view, 2FC approached the authorities and arrangements have been made for Mr. Smith to give a broadcast lecture from the Museum on Sunday afternoon, 27th February, from 3.0 to 3.30 p.m. He will describe to listeners the evolutions of the various figures and a very original and interesting transmission is promised.

BOOK REVIEWS: A series of book reviews will be given from 2FC at the end of the month. This section has been taken over by Mr. Gratton Smith, who has had wide experience in this direction. He will endeavor to let listeners have some idea of the various books that are popular, dealing with different sections, so that instead of devoting the whole of the talk to one particular book, various classes of fiction and literature will be touched on.

HUXHAM SERENADERS: New-comers to the Studio are the "Huxham Serenaders," who come with an enviable reputation to B.O. as singers much above the average. As is usual with these musical combinations, their programme will consist of unaccompanied harmonised glee, quartettes and duets. Each "serenader" is a solo vocalist of special merit, and the "ensemble" is one that should be greatly enjoyed by listeners.

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20G, 1/-; 22G, 1/3; 24G, 1/7; 26G, 1/10.	

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Genuine "Dilecto," 2 1/2 in. or 3 in. diam., per inch	0 3
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RADON TUBE

Highly Polished, 3/8 in. diameter, per inch	0 10
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VALVE SOCKETS.

Porcelain, H. & H., sure grip, 4/-; porcelain UX	2 6
Bakelite, black, 2/4; metal shell	1 2
Bakelite UX Sockets, Benjamin, 5/-; UX Aeculus	2 9
Bakelite UX Sockets, brown	2 0
Black 199 Sockets, with metal shell	1 6
Sockets for English Base Valves .. Ad. and	0 10

RHEOSTATS.

De Jur, 30 ohms, 3/9; Ajax, 30 ohms, ...	1 10
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PHONE PLUGS.

Ajax Duo Phone Plugs	1 7
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SWITCHES.

Inductance Switches, without studs	0 7
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CORDS.

For Speakers, 5ft., 1/6; 20ft., 3/-; for phones	2 0
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DIALS.

Black Engraved, 4in., 2/3; 3in.	1 3
Genuine Bakelite, 4in., a beautiful dial	2 9

VERNIER ADJUSTERS.

Rubber Shod	1 2
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METERS.

Pocket Type, 0 to 50 v., 4/3; 0 to 8 and 8 to 100 v.	8 11
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POTENTIOMETERS.

De Jur, 4/6; Ajax, 400 ohms.	2 6
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PANEL SWITCHES.

Double Pole, 1/3; Single Pole	0 9
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PLUGS AND SOCKETS.

Separate for Mounting H.C. Coils on Panel,	
per pair	0 3

RADIO FREQUENCY TRANSFORMERS.

Adjustable Coupling	8 6
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201A or 199 VALVES.

The Wonderful "Radex"	6 9
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HEADSETS.

The Cannonball	12 6
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Screened Coil Wave-Trap Three Valver.

Build it From These Parts:

	£	s.	d.		£	s.	d.
1 Polished Bakelite Panel, 20 x 7 x 1/2	0	8	9	1 Advance Neutralising Condenser	0	4	6
2 .0005 Quaker S.L.F. Condensers, at 10/6	1	1	0	3 Black Base Sockets, 1/9	0	5	3
1 .00035 Advance Condenser	0	10	5	1 2in. length of Bin. Radion Tube, 10	0	1	8
3 Amperites for .06 Valves, 6/-	0	18	0	1 4-lb. Reel 30 D.C.C.	0	2	3
2 Crescent Audio Transformers, 13/6	1	7	0	1 Watmel Variable Leak	0	4	3
1 200 turn Ajax Coil	0	2	10	3 Bakelite Vernier Dials, 6/9	1	0	3
1 Coil Plug, 1/3; 1 Length Strap, 3d.	0	1	6	1 Wetless .00025 Condenser	0	1	5
1 Panel Coil Plug	0	0	9	1 Terminal Board	0	2	3
1 D.C. Fil Control Jack	0	3	9	1 Screened Coil Assembly	0	14	5
1 S.C. Fil Control Jack	0	2	9	3 Terminals and Springs	0	1	3
1 Battery Clip	0	0	5	12 Square Buswire	0	0	10
				TOTAL	£7	15	6

Opening Shortly, Karas Transformers and S.L.F. Condensers.

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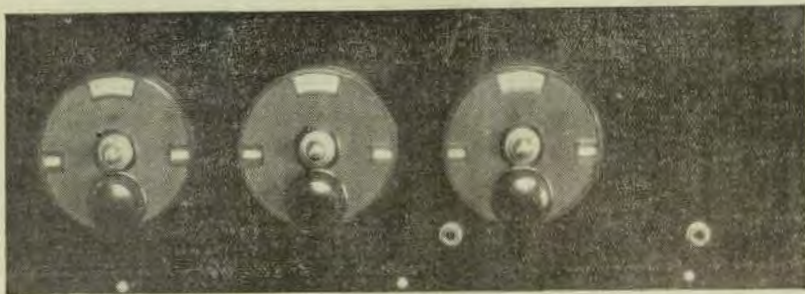
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A Screened Coil Wave Trap Receiver

IN a vast area around the broadcasting stations there is a great concourse of people who, by reason of locality, must necessarily listen to one station all the time, as this nearby station superimposes itself on all other stations. This state of affairs is hardly pleasing, resulting in dissatisfaction all round. It can be overcome, however, by making a selective receiver. There are many rules governing selectivity which must be countenanced before building a set. It is necessary that the aerial grid circuit must be loose coupled in some way. Plain aerial is generally associated with broad tuning—the P1 for example.

Again, with the average three valve receiver, some form of reaction is desirable. It may be wise to state here that reaction applied to the average receiver is of almost equal value as another valve in the set, it therefore follows, as previously stated, that reaction is a feature worth while. But this reaction should necessarily be of the smooth control type such as the Reinartz or Throttle Control, both types having been popularised in these pages during the last few months.

One great drawback to selectivity in the average receiver is direct pick-up by the receiver itself. We often hear a radio enthusiast claim that his present receiver can pick up all the local stations on the loud speaker without the aerial or earth being connected. This is a grand feat from the point of view of local reception, but is certainly a decided drawback when it comes to receiving inter-State stations. Of course, the man in the country, who is reasonably well away from a high power broadcasting station, has not the same troubles as the man in the city who is within a few miles of the same stations. The man in the country is away from the shock excitation zone, which is the drawback of the man close to the broadcasting station.

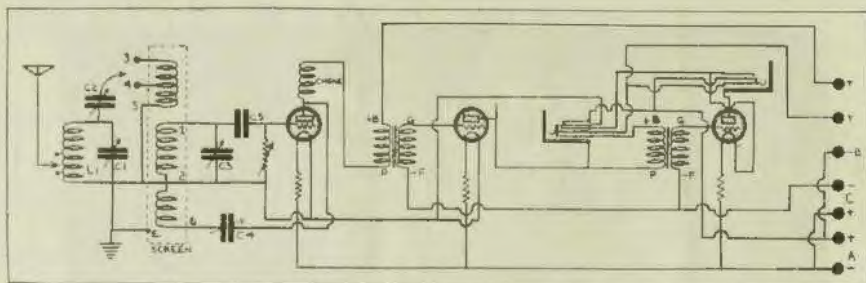
A new development in Radio construction is the screening of coils to prevent eddy currents, thus increasing the volume of receiver.

It therefore follows that the receiver suitable for the country conditions is certainly not suitable for the city conditions. Thus, readers of our journal have from time to time seen reports from country enthusiasts who have written us telling us that the P1 set, for example, has been instrumental in picking up inter-State stations at loud speaker strength, each station being clear of interference from any other station. The converse is equally true, the city man writes us telling of his troubles and asking why it is that Mr. J.R., of Tumut, with a P1 receiver, has been able to log all inter-State stations clearly, while he himself, with a similar receiver, finds great difficulties in eliminating 2BL from 2FC. Location plays a most important part in radio reception, and it is surprising to note how conditions vary in different parts of the country. The writer of this article remembers a young English fellow who came out from England to show us in this country how to receive correctly. His object was very laudable, but unfortunately, he was unable to carry it into effect on account of not having the correct receiver for the purpose. His complaint was that in the country the set which he brought out from England with him was most satisfactory, but in the city the broadcasting stations interfered with one another to such an extent that good reception was impossible. He went back home, a sadder but a wiser man.

From this it must be understood that conditions in other countries are entirely different to the conditions of our country here, and the receiver which may function very largely indeed in other parts of the world, may not produce satisfactory results in Australia. This state of affairs is brought about by the geographical situation of the main broadcasting stations, which, in providing for the entertainment of country people as well as city people, use such a power and of such modulation value that often the city man suffers from shock excitation of his aerial, and which precludes the possibility of extreme selectivity.

This important factor, that of selectivity, is the object of the receiver about to be described. To ensure maximum selectivity a consultation of the circuit diagram will prove this possibility. To this end there has been incorporated in the receiver in question a wave-trap which is part and parcel of the receiver. As a means of obviating the direct pick-up of the average set the coupling, grid and reaction coils are screened, in fact, these calls take the form of a very popular English coil-to-day known as a screened coil.

Smooth reaction, a most essential feature, is obtained by the form of a Reinartz reaction, and in order to ensure that the radio frequency energy flows through this reaction coil a radio frequency choke coil is incorporated in the circuit. The audio frequency portion of the circuit is the usual standard type employing two audio frequency transformers, but a slight variation is effected in the jacks. At times it may be desired to use only one stage of audio, that is two valves, so that this may be enabled there has been included a double circuit filament control jack. This means that when two valves only are desired, it is only necessary to plug the loud speaker or the phones



as the case may be into jack one, which automatically cuts out the second audio valve, valve three. Again in order that the whole three valves be included in the circuit, all that is necessary is to remove the plug of the loud speaker from jack one to jack two. In this manner, it is possible to use the whole three valves, and at the end of the evening's entertainment it is only necessary to remove the loud speaker plug from either of the jacks, thus automatically cutting off all valves from the A battery supply. A careful study of the circuit diagram will reveal these possibilities.

Getting on with the shopping list, the following parts will be found necessary in order to construct this excellent receiver. While we do not wish to confine the constructor to the actual brands specified, we at the same time would like to emphasize that only good quality parts be employed, otherwise we would not care to answer for the consequences. If the constructor desires to make a duplicate of the receiver photographed, the following parts will be of advantage to him:—

- 1 Radion or Dilecta Panel, 20in. x 7in. x 1-8in. or 3-16in.
- 2—1005 Emmo S.L.P. Condensers.
- 1—0005 Pilot Dico.
- 1—D.C. Filament Control Jack.
- 1—S.C. Filament Control Jack.
- 1—6 to 1 Emmo Audio Transformer.
- 1—3 to 1 Emmo Audio Transformer.
- 1—Fixed Coupling Plug.
- 2—Amperites, to suit valves.
- 1—Advance Neutralizing Condenser.
- 2 inch length of 3 inch diameter Radion or Dilecta Tubing.
- 1—Bradleylink.
- 4 Valve Sockets.
- 5—Emmo Verrier Diats.
- 1—10025 Grid Condenser.
- 1 Terminal Board with 7 terminals.
- 1 Terminal Board with 3 terminals.
- 1—Dozen Bus-bars.
- 6 inches of electric light flex.

1—Battery Clip.

1—Baseboard, 18in. x 8in. x 3in.

1—Screened coil, of split primary type.

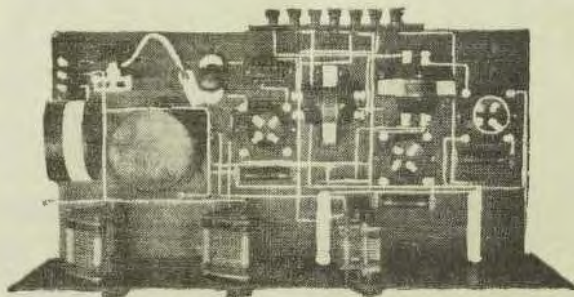
4 size No. 30 D.C.C. Wires.

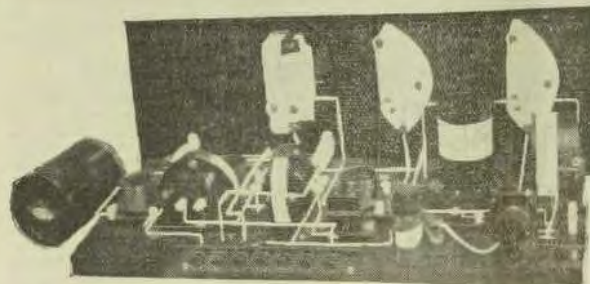
Regarding this material, the only thing which may seem strange is the screened coil. That which was used in the receiver being described was one of the Grodan manufacture, and consists of a primary and a secondary coil. There is available today for those who desire to wind their own coils the necessary knock-down parts comprising a secondary coil former, 2 inches in diameter by 3 inches long, and a primary former of the same length by approximately 1 and five-eighth inches in diameter.

To cover the wave-band of all Australian stations excepting that of RWP (Perth) the secondary winding consists of forty turns of No. 30 D.C.C. Wire, wound on the 2 inch diameter former. The neutralizing and primary windings each consist of 20 turns of the same gauge wire wound on the 1 and five-eighth inch former, and in such a position that the completed windings come in the centre of the secondary winding.

The neutralizing winding is first of all wound on this smaller former in the position referred to previously. The usual method of piercing two small holes in the former to secure the wire at the beginning and also two other small holes at the end of the winding to hold the completed winding securely. On the top of this neutralizing winding is wrapped a small layer of waxed paper or varnished cambric, on the top of which is wound the primary winding. All these windings are wound in the same direction, sealing wax coming in very handy from the point of view of securing the completed primary winding. For our purposes in this receiver the beginning of the primary winding is connected to the end of the neutralizing winding.

In the circuit diagram No. 3 refers to the beginning of the neutralizing winding, No. 4 refers to the end of this winding and also the beginning of the primary winding, and No. 5 refers to the end of the primary winding. Reaction is provided for, and this coil is wound on the 1 and five-eighth inch former on which is already





wound the primary and neutralizing windings. This reaction winding consists of No. 25 turns of No. 30 gauge D.C.C. wire and is wound below the neutralizing and primary windings and connected in a manner described in the next sentence.

Referring to the circuit diagram again No. 1 is the grid end or the beginning of the secondary winding and No. 2 is the filament end or finishing end of the same winding, and is also connected to the beginning of the reaction winding, No. 6 being the connection for the end of this winding. The smaller former is placed inside the larger former, that is the 2 inch former, and the whole is enclosed in a copper screen with provision in the base for bringing out these connecting wires. It therefore follows that it will be necessary to provide for six holes in the base of the copper screen to allow these connecting wires to come through to terminals on a piece of Radion or Dilecto which will act as a base and on which is mounted suitable terminals or contact studs for the circuit wiring purposes. This copper screen can be purchased as a separate unit and is approximately three and a half inches long by three and one-eighth inches in diameter. It is necessary that this screen itself be connected to the common earth wire of the receiver, and as a further explanation so that it is clearly understood, that the reader imagines an ordinary jam tin with a fit over lid. The jam tin itself acts as the screen and the fit over lid serves the purpose of the base, only bear in mind that the whole should be made of copper.

All the connections for the coils enclosed in this screen can be seen in both the back of panel wiring diagram and also the circuit diagram. It is hoped that the whole of this matter is clearly understood.

To proceed with the construction after having wound the screened coil and while your "hand is in" wind the wave trap portion of this receiver. This wave-trap consists of fifty turns of No. 30 D.C.C. wire, wound in the

orthodox fashion on the 2in. length of tubing. A tapping is taken at the thirtieth and fourth turn, these tappings conforming to the autocoiled method employed in the receiver. Coil winding is an easy and pleasant job, and should be tackled without any fear of the ultimate result.

It now behoves the constructor to mark out and drill the panel in accordance with the diagram published herewith. The accompanying article in this issue will prove of assistance to many home constructors, and before going further one would be well advised to read this article on "Tools for the Home Constructor" before proceeding any further. If a nice high polish is desired on the panel that ordinary commodity known as Brass or silver will serve this purpose admirably.

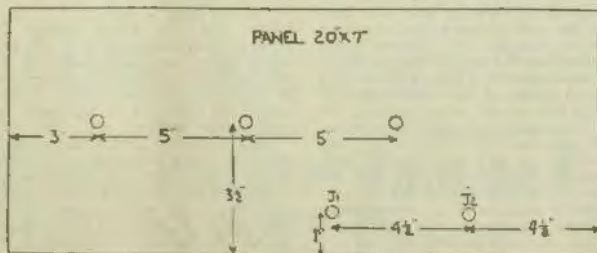
On the panel mount the three variable condensers and the two jacks. If desired that vacant space on the right-hand end may be occupied by a tone control of some type, either a Central Modulator or a MacLurean Tone Purifier. These latter articles may conveniently be connected across the G and F terminals of the last audio frequency transformer.

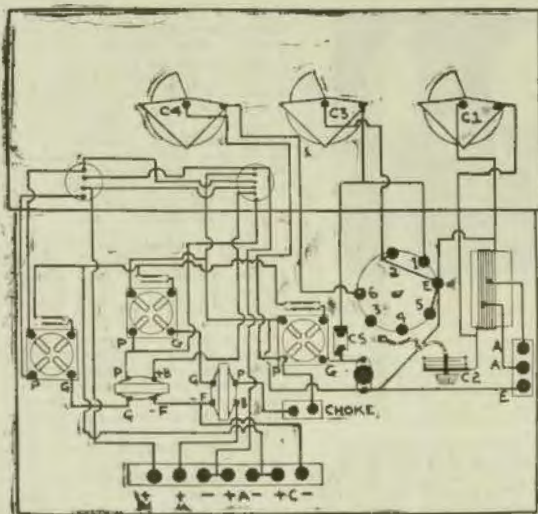
The baseboard layout requires a little thought. The constructor is catered for not only in the illustrations but also in the back of panel wiring diagram. In order to ensure

that the best position possible is obtainable temporarily attach the panel to the baseboard, which of course should be treated to one or two coats of Shellac varnish. Remember when laying out the baseboard to watch the positions of the jacks which protrude equally as far as the variable condensers but on a level almost with the baseboard. The manner adopted by us is perhaps a wee bit apart from the usual in as much as the valve sockets are not in line with one another.

Again, it will be noticed that instead of the usual rheostat for controlling the valves filament ballasts or Amperites are used. There is no doubt that before many months are over these filament ballasts will be used universally throughout all receivers, the exception being perhaps in some instances in the detector stage and in the radio frequency stages of multi valve sets. These amperites take up very little space on the baseboard and are invariably accommodated eight alongside of the valve socket. Now the grid leak of the Bradlayleak type is also placed on the baseboard. This is to ensure short leads, which are so essential in any well designed receiver. In actual operation once this grid leak is set it need rarely be touched again, so that no drawback is encountered by including it in the baseboard layout. Note carefully that the audio frequency transformers are placed at right angles to one another. This is important.

A small bracket is desirable for mounting the wavetrapp coil L1. The constructor is catered for by the advertisers in this Journal, for even this small article. Also it is wise to mount the plug for the radio frequency choke on a small panel of approximately 2in. long by 1in. wide which should be raised off the baseboard by means of small pillars or distance pieces made from tin fiber tubing about half an inch long or even small wood blocks of the same length. The Advance coupling condenser can be found a convenient position just





behind the wavetrap coil L1, to the right of which should be mounted the terminal board for the aerial and earth terminals, three terminals being required for this purpose.

Arrange everything on the base-board in their respective positions, even to the terminal board. Then proceed with the wiring.

A little care is required in wiring this receiver, particularly with regard to both jacks. Compare the circuit diagram with the back of panel diagram, noting the positions of the prongs of the jack and the exact location of the associated wiring. The double circuit filament control jack has six prongs, to each of which a connection is taken, and the single circuit filament control jack has four prongs. Reading from top to bottom will be found the connections in the back of panel wiring diagram. Be careful when wiring these, otherwise little troubles may crop in which may prove difficult to solve later on. Execute the rest of the wiring, checking over as you proceed. Reconnect the numbers on the wiring diagram with the numbers which should be marked on the base of the screened coil. Watch this closely when building the coil. The two taps from the wavetrap coil should be taken to two terminals on a terminal board, right alongside. The flexible wire with the battery clip attached should be connected to one side of the neutralizing condenser; approximately 6 inches of flexible wire will be required for this purpose.

TESTING.

When the wiring is all completed check over very carefully. Assure yourself that everything is wired correctly, then hook-up the aerial and earth and the batteries to their respective terminals. Ninety volts will prove satisfactory for the plate supply of the two audio frequency valves, but between 22 and 45 volts will prove ample for the detector valve. A grid bias of approximately 45 volts will be found useful, not only in increasing the life of the H batteries, but also in increasing the signal strength and adding a little more sweetness of tone to the output.

Remember carefully when inserting the valves in their sockets that the current consumption is suitable for use with the amperites used. If the standard Radiotron 201A valve, Philips C509, De Forest D.V.5 or any other valves consuming a quarter of an amp are used, the .25 amps amperite is the correct ballast for these valves. On the other hand, De Forest D.V.3, Radiotron U.X.189, and other valves consuming .06 of an amp at 3 volts, should be catered for by amperites of that type. Always match the amperite to the valve intended to be used.

Tune in to the local station which will very easily be found, and having brought them up to their maximum volume adjust the grid bias battery until the best position is located. Don't forget, by the way, to attach the flexible clip to either one, three, or four, the numbers of the terminals or

contact studs of the screened coil. The position of the aerial should be changed from one to the other tapping in order to determine the best position for extreme selectivity.

The receiver is inclined to oscillate, but this can be overcome by judicious use of the reaction condenser and by waving the two circuits, that is the wave-trap circuit and the grid circuit, in tune. If one circuit gets slightly out of tune severe oscillations may arise, so avoid this by all means. A slight adjustment of the grid leak will prove of immense value, but once set into the best position this component may be left and not touched for weeks. An hour or two spent in handling this receiver will produce very satisfactory results, and when the essentials of tuning are grasped the inter-State stations should be brought in quite comfortably. It must be noted that when the screen is removed from the coil a different condenser setting is required to bring the circuit into tune again. But this screen should be always kept in position over the coil, and should only be moved for the purpose of learning something about your receiver.

The actual test at Marrickville proved very satisfactory indeed, although it required the best part of an hour to log any inter-State stations, but once these stations were logged and marked on the vernier dials it was a simple matter to go back to them. We would welcome reports from readers on their experiences with this splendid receiver—write in and tell us how you get on.

2FC Musician to be Melba's Accompanist

Mr. Lindley Evans, who has been associated with Mr. Lionel Lawson (violinist) and Mr. Gladstone Bell (cello) at Station 2FC for the past two years, leaves Sydney at the end of this month to act as accompanist to Dame Nellie Melba, in connection with her forthcoming tour of Australia. This trio has dispensed beautiful programmes of better class music, but the opportunity will be taken now of placing in the Studio a combination of instrumentalists headed by Mr. Horace Keats, who is well known to listeners, and of giving programmes of a more popular nature. There is a continuous demand for light opera selections, Intermexos etc., and Mr. Keats, who has had a large and varied experience in this direction, will be able to satisfy the taste of the listening public. The orchestra will pay particular attention to request numbers, and the public are invited to write, phone or call at the Studio, and leave the items they want to hear.

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Fortevox Detector Parts, consisting of Moveable Arm, Crystal Cup and two (2) Terminals.
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Edison Bell, Glass enclosed, Twin Detectors, 2/6 ea.
Wondertone, Glass enclosed, mounted on Ebonite. Price 2/10 each

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4 Valve 3 Coil Tuning RECEIVING SET

Complets with C.A.V. Accumulator, Heavy Duty "B" Batteries, Voltmeter, Hydrometer, Headphones, Coils, Aerial Equipment, and Loud Speaker.

PRICE ... £19/15/-

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Superba, 400 ohms, fitted with leather covered comfy Headbands, light weight, and of sturdy construction, British manufacture.

Price 18/- each
Trimms' Professional; ask the Man who has a pair .. 28/- each
Odd makes of Best Quality Headphones, 3000 and 4000 ohms. To Clear 15/- each

VALVES.

Phillips' D11, English Base 2/6 each
Phillips' DV, American Base 2/6 each
Phillips' DVI, English Base, with double Grid. Price 1/10 each
Phillips' E, with American Base 1/10 each
Ediswan-A14 Volt, with English Base ... 2/6 each
Ediswan-B4 Volt, with English Base ... 3/6 each
Genuine Radiotron; the World's recognized Valve; UX201A. A bargain. Price 2/8 each

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"Astrac" or "H. & H." 6 ohms, with Knob and Pointer 1/3 each
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English, 6 ohms, Air Spaced 1/3 each

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"Empire," 4 to 1 Audio Transformers, English Manufacture 10/8 each

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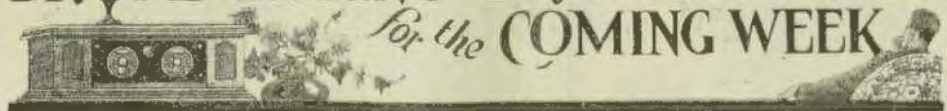
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BROADCASTING PROGRAMMES

For the COMING WEEK



Friday, February 18
2FC, SYDNEY

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

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
- 7.5 a.m.—Studio music.
- 7.19 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services. Commercial news.
- 7.23 a.m.—Investment market, mining share markets, metal quotations.
- 7.35 a.m.—Wool sales, breakfasts markets.
- Inter-State markets, produce marketing.
- 7.45 a.m.—"Sydney Morning Herald" news service.
- 8 a.m.—"Big Ben" Music from the studio.
- 8.15 a.m.—Close down.

MORNING SESSION.

- 8.30 a.m.—Marching music for school children.
- 8.40 a.m.—Some popular records.
- 9 a.m.—"Big Ben" and announcements.
- 10.5 a.m.—Late "Sydney Morning Herald" news service.
- 10.15 a.m.—Studio music.
- 10.45 a.m.—A morning reading.
- 11 a.m.—"Big Ben" Australian Press Association and Reuters' Cable Services.
- 11.10 a.m.—Studio music.
- 11.15 a.m.—A talk on home cooking and recipes by Miss Ruth Furst.
- 11.30 p.m.—Marching music for school children until 11.35 a.m.

MIDDAY SESSION.

- 11.35 a.m.—FROM THE SYDNEY CRICKET GROUND: Full broadcast description of the Final Match of the Season—Australia versus the Rest of Australia, in connection with the C. G. Macartney Bennett Match.
- 12 noon—"Big Ben" Resume of scores every fifteen minutes.
- 12.15 p.m.—FROM THE STUDIO—Stock Exchange, first call.
- 12.5 p.m.—FROM THE SYDNEY CRICKET GROUND—Description of play and scores at intervals.
- 1 a.m.—"Big Ben" and cricket results until the luncheon adjournment at 1.15 a.m.
- 1.15 a.m.—FROM THE STUDIO—Rugby wireless news.
- 1.30 p.m.—Miss Hilda Nelson, vocals.
- 1.45 p.m.—Weather intelligence.
- 1.58 p.m.—Marching music for school children.
- 1.55 p.m.—"Evening News" today news service. Producers' Distributing Society's Report.
- 1.45 p.m.—Miss Hilda Nelson, vocals.
- 1.50 p.m.—FROM FARMER'S OAK HALL—Instrumental item by the Oak Hall Trio.
- 2 p.m.—"Big Ben" Continuation of cricket descriptions and scores.

AFTERNOON SESSION.

- 2 p.m.—FROM THE SYDNEY CRICKET GROUND—Further descriptions of the C. G. Macartney Bennett Match. (Australia versus the Rest of Australia) interspersed with musical items.

- 2.40 a.m.—FROM FARMER'S TEA ROOMS—Miss Juliette Rooney, soprano. "The Cavalier" (Humberston).
- 2.45 p.m.—Description of the Cricket Match direct from the Sydney Cricket Ground.
- 4 p.m.—FROM FARMER'S TEA ROOMS—Miss Sylvia Ashwood, mezzo. "The Fair away Bells" (Goodson).
- 4.5 p.m.—Cricket scores and description of play.
- 4.50 p.m.—FROM FARMER'S TEA ROOMS, Miss Juliette Rooney, contralto. "Lullaby" (Barry).
- 4.55 p.m.—Cricket scores and description of play.
- 4.59 p.m.—FROM FARMER'S TEA ROOMS, Miss Sylvia Ashwood, mezzo. "Hedderus Carnival" (Mortin).
- 4.45 p.m.—Stock Exchange, United oil.
- 4.48 p.m.—FROM THE SYDNEY CRICKET GROUND—Description of play and scores until closing time. NOTE: At intervals a clock and a description of the Ceremony of Laying of the Foundation Stone at the New States' Home, Hivviah, Waikato, by the Bishop of London, The Right Hon. and Right Rev. Dr. Wingham (Anglo. K.C.V.C. will be broadcast).
- 8 p.m.—"Big Ben"

EARLY EVENING SESSION.

- 8 a.m.—"The Hello Man" talks to the children.
- 8.30 p.m.—A story for the older ones.
- 8.40 p.m.—FROM FARMER'S OAK DINING HALL—Vocal and instrumental items.
- 9 p.m.—FROM THE STUDIO—Last minute sporting information by the 2FC Racing Commissioner.
- 9.10 p.m.—Daherty's Market reports (wool, wheat and stock).
- 9.15 p.m.—Fruit and vegetable markets.
- 9.25 p.m.—Weather and shipping intelligence, stock quotations.
- 9.30 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.48 p.m.—Announcements from the studio.
- 7.45 p.m.—Miss Dorothy, contralto, will interview the popular comedian, Mr. Archie Stirling from his Dressing Room at the Palace Theatre.
- 8 p.m.—"Big Ben" FROM THE PALACE THEATRE (by special permission) Items from the new Revue, "Hello, Hello" written by Mr. Thomas Duffield.
- 9 p.m.—"Big Ben" FROM THE STUDIO, Miss Peggy Dunbar, contralto, will interview the popular comic, Mr. Archie Stirling from his Dressing Room at the Palace Theatre.
- 9.4 p.m.—Mr. Syd Smith—Further side lights on the recent tour of England by the Australian Cricket Team.
- 9.22 p.m.—Miss Leslie Elliott, Comedian, "Down on the Bingo Farm" (Lyons). "It all comes out of the cupboards."
- 9.30 p.m.—Mr. Lionel Lawson, Violinist.
- 9.38 p.m.—Mr. Jack Lammont, Songs at the piano. "Merrily" (Gibson). "At peace with the world" (Thorin).
- 9.45 p.m.—Mr. Kwarr O'Connell, Delineation soloist.
- 9.52 p.m.—Miss Peggy Dunbar, contralto.
- 10 p.m.—The Whistlers Trio, in popular dance number.
- 10.8 p.m.—Miss Leslie Elliott, Comedian. "My Pal Harry" (Weston and Lee). "The way they used to manage things in the old days" (Weston and Lee).
- 10.15 p.m.—Mr. Lionel Lawson, Violinist.
- 10.24 p.m.—Miss Peggy Dunbar, contralto.

- 10.25 p.m.—The Whistlers Trio in popular numbers.
- 10.34 p.m.—Mr. Jack Lammont, Songs at the piano. "Out in the new moon bay." Request numbers.
- 10.45 p.m.—The Whistlers Trio in dance numbers.
- 10.55 p.m.—Announcements.
- 11 p.m.—"Big Ben" FROM THE WENTWORTH CAFE SYDNEY. The New Wentworth Symphonic Dance Orchestra in popular numbers until midnight, under the baton of Mr. Sydney Simpson.
- 12 midnight—National Anthem. Close down.

2BL, SYDNEY

Broadcasting Co. of Aust.

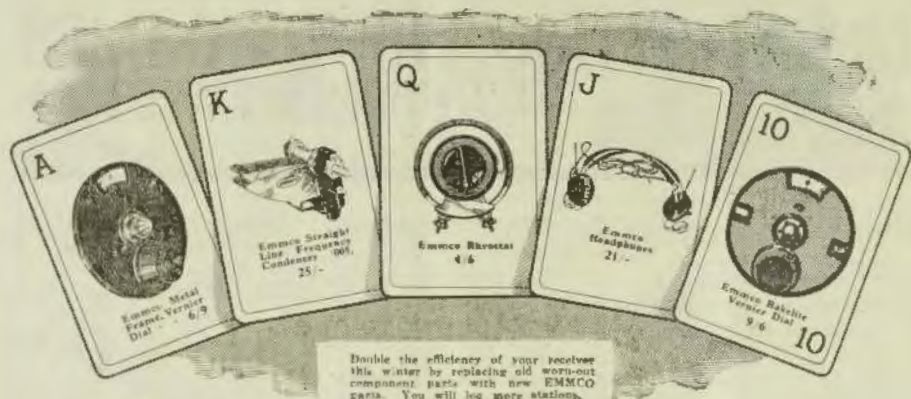
Wave Length, 353 Metres.

EARLY MORNING SESSION.

- 7.15 a.m.—G.P.O. clock and chimes. 1.18 musical programme. Fernro Studio.
- 7.19 a.m.—Physical training and health exercises.
- 7.25 a.m.—Hints on health.
- 7.30 a.m.—Physical training and health exercises.
- 7.45 a.m.—G.P.O. clock and chimes. 1.46 Weather report.
- 7.53 a.m.—Sporting information.
- 7.58 a.m.—Broadcaster's special news service.
- 8 a.m.—G.P.O. clock and chimes. Close down.

MORNING SESSION.

- 10 a.m.—G.P.O. clock and chimes. 10.1 Weather report.
- 10.5 a.m.—Musical programme from the Studio.
- 10.30 a.m.—News service from the "Daily Telegraph."
- 10.5 a.m.—Musical programme from the Studio.
- 11 a.m.—G.P.O. clock and chimes. 11.1 News from the "Daily Telegraph."
- 11.15 a.m.—Rabbit market report.
- 11.17 a.m.—Fish market report. 11.19 Vegetable market report.
- 11.21 a.m.—Fruit market report.
- 11.27 a.m.—London, dairy, fat, egg, and poultry market report.
- 11.28 a.m.—London metal quotations.
- 11.29 a.m.—Ships in port by wireless.
- 11.32 a.m.—Information re interests and increases afloat.
- 11.35 a.m.—Shipping information—arrivals and departures.
- 11.35 a.m.—WOMEN'S SESSION. "Talk on 'Raising'" by Miss Gwen Varley, Broadcaster's women's assist. authority.
- 11.45 a.m.—Social notes by Mrs. Jordan.
- 11.55 a.m.—Mrs. Justice replies to correspondents.
- 11.55 p.m.—Talk by Mrs. Jordan. "Feeding the Family."
- 12.30 p.m.—G.P.O. clock and chimes. 12.31 Sydney Stock Exchange call.
- 12.31 p.m.—News from the "Sun."
- 12.45 a.m.—Hiller's Instrumental Quartet—Direction, Cyril Garding.
- 1.30 p.m.—G.P.O. clock and chimes.



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3LO, MELBOURNE

Broadcasting Co. of Aust.

Wave Length, 371 Metres.

MIDDAY SESSION

SNATCHES.

THE STUDIO ORCHESTRA.
ADELE INMAN, Soprano.
MAGGIE FOSTER, Violin.
NORMAN BRADSHAW, Tenor.
Announcer, MAURICE DUDLEY.
Accompanist, AGNES FORTUNE.

12 p.m.—Time signal. British Official Wireless News from Ruby Reuter's and the Australian Press Association Cables "Argus" and "Herald" news services.

12.15 p.m.—Stock Exchange information.
12.20 p.m.—STUDIO ORCHESTRA:
Selection, "La Bohème" (Luccini).

12.30 p.m.—ADELE INMAN, Soprano:
"Hands and Lips" (Clarke).
"Until" (Sanderling).

12.37 p.m.—MAGGIE FOSTER, Violin:
"The Rose Tree" (Luccini).
"Ave Maria" (Luccini).

12.45 p.m.—STUDIO ORCHESTRA:
"March" from Military Symphony (Haydn).

12.55 p.m.—NORMAN BRADSHAW, Tenor:
"Sometimes in Summer" (Bennett).
"The Empty Nest" (Mason).

1 p.m.—AGNES FORTUNE, Piano:
"Song Without Words" (Mandelstam).
1.05 p.m.—METEOROLOGICAL INFORMATION.

1.10 p.m.—ADELE INMAN, Soprano:
"Sincerity" (Clarke).
"Rose in the Bud" (Forster).

1.25 p.m.—STUDIO ORCHESTRA:
"Lightning Flash" (Alford).
1.30 p.m.—NORMAN BRADSHAW, Tenor:
"Goodbye" (Clarke).

"Beneath Thy Window" (El Capitan).
1.42 p.m.—MAGGIE FOSTER, Violin:
"Old Black Joe".

1.50 p.m.—STUDIO ORCHESTRA:
"Chanson d'Amour".
2 p.m.—Close down.

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

AFTERNOON SESSION

OF INTEREST TO LOVERS OF ART.
Speakers: "AU FAIT".

MRS. M. CALLAWAY MAHOOD.
THE STUDIO ORCHESTRA.
DEWEY AND ROMAINE.

MILES HASTINGS.
GERTRUDE ARMSTRONG, Pipes.
HARRY WOTTON, Baritone.

Announcer, MAURICE DUDLEY.
Accompanist, AGNES FORTUNE.
3 p.m.—STUDIO ORCHESTRA:
Overture, "Rosamunde" (Schubert).

5.10 p.m.—"AU FAIT" of Messrs. Buckley and Nunn Ltd.
"Fashion Talk".

5.25 p.m.—DEWEY AND ROMAINE, Two boys who will entertain you at the Piano.
5.40 p.m.—STUDIO ORCHESTRA:
"The Greenish Suite" (Cannenberg-Woods).

5.55 p.m.—MILES HASTINGS, Elocutionist:
"Bendy's version."
6 p.m.—GERTRUDE ARMSTRONG, Pipe Selections:
"The Rippling Clyde."
"The Sky Boat."
"Believe Me."

6.10 p.m.—HARRY WOTTON, Baritone (By Permission of J. C. Williamson).
Two Songs from "Omar" (Bokers).
"L'Heure Equiv" (Hahn).

6.17 p.m.—STUDIO ORCHESTRA:
"Valse Bluette" (Drigo).
6.25 p.m.—HARRY WOTTON, Baritone:
"The Crown of the Year" (E. Martini).
"Mother of Mine" (Crosby).

6.31 p.m.—MRS. M. CALLAWAY MAHOOD.
"The Art of Metal Enamelling."
6.45 p.m.—"Herald" news service. Stock Exchange information.

1.31 p.m.—Weather report. 1.33 Sydney Stock Exchange calls.
1.45 p.m.—Musical programme from the Studio. 1.50 News from "Sun."
2 p.m.—G.P.O. clock and chimes. Close down.

AFTERNOON SESSION

Racing information broadcast by courtesy of the "Sun."
3 p.m.—G.P.O. clock and chimes. 3.1 Weather report.
3.5 p.m.—Serial notes from the "Sun."
4.15 p.m.—News from the "Sun." 4.15 Civil Service Stores Trio.

4.30 p.m.—G.P.O. clock and chimes. 4.31 News from the "Sun."
4.45 p.m.—Musical programme from the Studio.
4 p.m.—G.P.O. clock and chimes. 4.1 Civil Service Stores Trio.

4.15 p.m.—Serial story. 4.30 Musical programme from the Studio.
4.45 p.m.—Producers' Distributing Society's vegetable and fruit market report.
4.50 p.m.—Shipping information when available.

4.52 p.m.—Day's racing resume on race days. 4.56 News from the "Sun."
4.58 p.m.—Resume of night's programme.
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 Uncle George and the Kiddies.
6.5 p.m.—The pupils of Miss Monica Scully will entertain the Kiddies.
6.40 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. clock and chimes. Australian Mercantile, Land, and Finance Co's report.
Weather report and forecast by courtesy of Government Meteorologist.

Stock Exchange call.
Producers' Distributing Society's vegetable and fruit market report.
Grain and fodder report ("Sun"). Dairy produce report ("Sun").

7.15 p.m.—Country news from the "Sun."
8 p.m.—G.P.O. clock and chimes.
Broadcasters' Topical Chorus.

8.3 p.m.—Miss Mavis Barnett, contralto.
8.19 p.m.—Mr. Albert Carlisle, tenor.
8.17 p.m.—Broadcasters' Trio.
8.24 p.m.—The senior sporting expert of the "Sun" will talk on the prospects of Saturday's racing.

8.44 p.m.—Miss Hazel Sorrell, soprano.
8.51 p.m.—Miss Billie Davis, soprano.
8.58 p.m.—Resume of following day's programme.

9 p.m.—G.P.O. clock and chimes.
Weather report and forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.

9.3 p.m.—Mr. Macready Wilson, bass.
9.10 p.m.—Miss C. L. Robertson, elocutionist.
9.17 p.m.—Rosina Palmerston and Partner, Harmony Duo.

9.22 p.m.—Broadcasters' Trio.
9.39 p.m.—Miss Mavis Barnett.
9.46 p.m.—Miss Billie Davis.
9.53 p.m.—Mr. Albert Carlisle.

10 p.m.—G.P.O. clock and chimes.
10.1 p.m.—Miss C. L. Robertson.
10.4 p.m.—Miss Hazel Sorrell.
10.11 p.m.—The Ambassador's Dance Band broadcast from the ballroom of the Ambassadors. During the interval between dances news reports by courtesy of the "Sun" will be broadcast.

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

2KY, SYDNEY

Trades Hall Broadcasting Station.
Wave Length, 280 Metres.

LUNCHEON HOUR SESSION.

12.15 p.m.—Tune in to the ticking of the clock.

2GB, SYDNEY

Theosophical Broadcasting Service.
Wave Length, 316 Metres.

CHILDREN'S HOUR.

6.30 p.m.—THE STORYMAN, MR. THOMPSON.
7 p.m.—Sporting feature. Turf topics. Review of Candidates and the prospects for tomorrow. MR. A. E. POWELL.
7.40 p.m.—Tomorrow's Sporting events and news.

EVENING SESSION.

8 p.m.—Talk on motor-cycle racing. MR. J. S. HOSKINS.
8.10 p.m.—Pianoforte solos. MISS MONICA LARCOMBE.
8.30 p.m.—Soprano solos. MISS EDITH WELSH.
8.36 p.m.—Monologue. MR. DAVID EDELSTEN.
8.40 p.m.—Musical interlude. Glaciarium Dance Orchestra. Billy Ransome conductor. (By kind permission of GEO. IRVING).
9 p.m.—Baritone solos. MR. VAL. BLAGO.
9.10 p.m.—Sporting feature. Brigade description of main contest from Mellugh's Leichhardt Stadium.
9.35 p.m.—Result of flight.
9.56 p.m.—Music from the Studio.
10 p.m.—Closing announcements.

2GB, SYDNEY

Theosophical Broadcasting Service.
Wave Length, 316 Metres.

MORNING SESSION.

8.50 a.m.—Music.
9.25 a.m.—Gladness Chat.
9.50 a.m.—Music.
10 a.m.—Home Betterment Series.
10.15 a.m.—Music.
10.20 a.m.—Five minutes with Children at Home.
10.25 a.m.—Announcements.

WOMEN'S NEWS SESSION.

8.30 p.m.—Music.
2.40 p.m.—Rumanitarian Movements in Series.
8.55 p.m.—Music.
4.5 p.m.—News from everywhere for Women.
4.59 p.m.—Music.
4.59 p.m.—Close down.

EVENING SESSION.

6.30 p.m.—The Children's Session conducted by the Cheerio Man.
7.15 p.m.—Popular Song Numbers, Vocal, Piano and Gramophone.
7.50 p.m.—Cheerio Talk to Men.
7.55 p.m.—Announcements.
7.55 p.m.—Violin Solos by LLOYD DAVIES.
8.5 p.m.—Address by FRID. ERNEST WOOD.
8.15 p.m.—Violin Solos by MONICA HORNER.
8.23 p.m.—Duet for two violins with piano accompaniment; Dan Scully, Monica Horner, Ada Brook.
9.22 p.m.—Piano Solos by ADA BROOK.
9.40 p.m.—Selections from Opera with short solo. MISS HILDA BOYLE, MR. WILLIAM GREEN, MR. E. R. BUTTERWORTH.
9.49 p.m.—Announcements.
9.49 p.m.—Violin solos by DAN SCULLY.
9.53 p.m.—Topical Talk by H. K. POWELL.
9.50 p.m.—Duet for two violins with piano. Dan Scully, Monica Horner, Ada Brook.
9.55 p.m.—"Cheerio Talk."
10 p.m.—"GREAT THOUGHTS FROM GREAT MINDS."
GOD SAVE THE KING.

Insist on PHILIPS

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FOR USE WITH A 6-VOLT BATTERY.

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 Plate Volts 20—120
 Amplification Factor 8



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A109 will work from ONE DRY CELL, and takes less current than any valve hitherto produced. Specially suited for R.F., Detector and 1st Stage Audio.

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 Amplification 9

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 Plate 20—120 V.
 Amplification 8

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A306

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Filament 3.4—4 V.
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 Plate 20—100 V.
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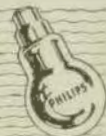
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 Amplification 8

ASK YOUR DEALER



PHILIPS

LAMPS AND RADIO



5 p.m.—Close down.

EVENING SESSION.

- 5.40 p.m.—**CHILDREN'S HOUR.** Answers to letters and birthday greetings.
- 5.45 p.m.—"Billy Bunny" will tell the little ones a story.
- 6.2 p.m.—**DREW AND ROMAINE** will play to the children, sing to them and perhaps tell them a joke or two.
- 6.15 p.m.—"Billy Bunny" will continue "The Queen Bee."
- "The Black Princess."
- 6.45 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. Barrett Ltd.
- 6.55 p.m.—River reports.
- 6.58 p.m.—Market reports by the Victorian Producers' Co-operative Co. Ltd., Haymarket Sheep sales, Pottery, Grain, Hay, Straw, Jute, Dairy Produce, Potatoes and Onions.
- 7.6 p.m.—Market prices of Oranges and Lemons by the Victorian Citrus Association Pty. Ltd.
- Fruit market reports by the Victorian Fruiterers' Association, supplied by the "Fruit World," exclusive to 31.0.

NIGHT SESSION.

- Speakers: MR. P. RYAN, "CARDIGAN"; MR. H. E. LOVE.
- THE STUDIO ORCHESTRA.**
JESSIE BATCHELOR, Contralto.
MAGGIE FOSTER, Violin.
NORMAN BRADSHAW, Tenor.
HARRY WOTTON, Baritone.
PRESSY PRESTON, Comedianne.
MILES HASTINGS, Elocutionist.
COLLINGWOOD CITIZENS BAND.
- JOE ARONSON and HIS SYNCO-SYMPHO.
- NETS.**
Announcer, MAURICE DUDLEY.
Accompanist, AGNES FORTUNE.
- 7.15 p.m.—Under the auspices of the Department of Agriculture, Mr. P. Ryan, Inspector of Agriculture.
"Broom Fibre Marketing."
- 7.30 p.m.—**STUDIO ORCHESTRA:**
Selection, "La Toca" (Parsini).
- 7.40 p.m.—**JESSIE BATCHELOR, Contralto:**
"Christina's Lament" (Dover).
"The Early Morning" (Graham Peck).
- 7.47 p.m.—**MAGGIE FOSTER, Violin:**
"Annie Laurie."
"Last Rose of Summer."
- 7.54 p.m.—**NORMAN BRADSHAW, Tenor:**
"I Am Alone at Last" (Manon) (Massenet).
"At Dawning" (Caldman).
- 8 p.m.—**COLLINGWOOD CITIZENS BAND.**
March, "Tiberias."
Fox-trot, "Dixie."
- 8.10 p.m.—**HARRY WOTTON, Baritone** (by permission of J. C. Williamson Ltd.)
"Weep not Beloved Friends" (Gulliver Taylor).
"In Spring" (Gulliver).
- 8.17 p.m.—**STATION TRIO:**
"No. 1" (Haydn).
- 8.22 p.m.—**PRESSY PRESTON, Comedianne:**
"Follow the Swallows Back Home."
"I Don't Seem to Want You When You're With Me."
- 8.30 p.m.—**COLLINGWOOD CITIZENS BAND**
Selection, "Mikado."
- 8.47 p.m.—**MILES HASTINGS, Elocutionist:**
"The Bells from the Play."
- 8.57 p.m.—**THE STUDIO ORCHESTRA:**
Selection, "Miss Hook of Holland" (Rubens).
- 9.7 p.m.—**JESSIE BATCHELOR, Contralto:**
"The Dawn."
"Three Garden Benches" (D'Haridoli).
- 9.15 p.m.—**"CARDIGAN"—Mr. H. E. Wolfe,**
Sporting Editor of the "Argus" and "Australasian" will speak on to-morrow's Run.
- 9.25 p.m.—**NORMAN BRADSHAW, Tenor:**
"Mary of Araby."
"Sally Horner."
- 9.32 p.m.—**COLLINGWOOD CITIZENS BAND:**
Waltz, "Cornflowers and Poppies."
Fox-trot, "The Two of Us."
- 9.42 p.m.—**PRESSY PRESTON AND REG WYKHAM:**
A Skitlet, "Double or Quita."

- 9.54 p.m.—**HARRY WOTTON, baritone:**
"Song of Farwell" (Lortie).
"You are all that & Lovely" (Fauden).
- 10 p.m.—**British Official Wireless news from Rugby.** Announcements.
- 10.10 p.m.—**STUDIO ORCHESTRA:**
"Passa-Pied" (Giles & Serenade (White)).
- 10.20 p.m.—**Mr. H. E. LOVE:**
"Technicalities."
- 10.30 p.m.—**MAGGIE FOSTER, violin:**
"Maize."
"Broken Melody."
- 10.40 p.m.—**MILES HASTINGS, Elocutionist:**
"Sentimental Blake—Selections" (G. J. Dennis).
- 10.47 p.m.—"Argus" news service. Weather information.
- 11 p.m.—**JOE GREAT THOUGHT:**
"When honor comes to you be ready to take it, but reach not to seize it before it is near."—John Boyle O'Reilly.
- 11.1 p.m.—**JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS:**
"Just a Colgate Small."
"Let's Talk About my Sweetie."
"Laughing at the Forks."
"The Tale of Maltese."
"Sweet Hawaiian Songs."
"That's Why I Love You."
"Marching on the Gangs."
"Haremum."
- 11.40 p.m.—**GOD HAVE THE KING.**

4QG, BRISBANE

Queensland Radio Service.
Wave Length, 385 Metres.

MIDNIGHT SESSION.

- 12.25 p.m.—Time to go.
- 12.30 p.m.—Time signal.
- 1 p.m.—Market reports, weather information supplied by the Commonwealth Weather Bureau, news service supplied by "The Daily Mail" and "The Daily Standard."
- 1.20 p.m.—From the Hotel Carlton: Lunch music from the Lounge, Hotel Carlton, played by Hotel Carlton Symphony Orchestra.
- 1.45 p.m.—From the Observatory: Standard Time Signal.
- 2 p.m.—Close down.

AFTERNOON SESSION.

- 3.30 p.m.—From the Hotel Carlton: Afternoon Tea Music, played by the 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 p.m.—"Daily Standard" news, announcements.
- 6.30 p.m.—"The Children's Session"—Stories by "The Staidman."
- 7 p.m.—Market reports, Lecturette—"The University Faculty of Agriculture," by Professor Goldard.
- 7.30 p.m.—Stock reports, weather news, announcements.
- 7.45 p.m.—Standard time signal.

NIGHT SESSION.

- 7.45 p.m.—Lecturette Session—A talk arranged by the Workers' Educational Association.
- STUDIO PROGRAMME.**
- 8 p.m.—Overture, "Golden Boy" (Schubert), by the Studio Orchestra (conductor, Mr. A. R. Featherstone); tenor solo, "Comrade of Mine" (Thomas); Mr. Gerald Cashman; monologue, "Babbette," Miss Nell Douglas; soprano solo, "I Love You Truly" (Bond); Miss Phyllis Verne; value intermezzi, "On the Green" (Goldman); the Studio Orchestra, baritone solo, "Requiem" (Homer); Mr. James Golden; comic poems and sketches by Philip O'Brien Hoare; organ solo, "A Little Grey Church" (Barnes); the Studio Orchestra, contralto solo, "Sweetest" (Waltz Rose in Tennessee) (Dr. Will); Miss Winifred Anderson; Hawaiian instrumentalists in the Miska Dico monologue, "Little Wise Son" (Miss Nell Douglas-Graham); extracts, "Pomponello" (Golden) the Studio

- Orchestra, bass solo—(a) "Alone on the Reef" (Robley); the "Land of Delight" (Sanderson); Mr. Stanley Tambling.
- 9 p.m.—Week-end road information to motorists, officially supplied by the Royal Automobile Club of Queensland.
Metropolitan weather forecast.
Extracts, "Lovely" (Levy); the Studio Orchestra; tenor solo, "Machusha" (Manon); Mr. Gerald Cashman; Hawaiian Instrumentalists, the Miska Dico; contralto solo, "Madison" (Hodgson); Miss Winifred Anderson; selection, "In Days of Old" (Rollinson); the Studio Orchestra.
- 10 p.m.—The "Daily Mail" News. Close down.

5CL, ADELAIDE

Central Broadcasters, Ltd.
Wave Length, 395 Metres.

MORNING SESSION.

- 11.30 a.m.—G.P.O. chimes.
- 11.31 a.m.—Stock Duo Art number.
- 11.40 a.m.—"Advertiser" news service.
- 11.55 a.m.—Vacation number.
- 12 noon.—G.P.O. chimes.
- 12.1 p.m.—"Advertiser" news service.
- 12.14 p.m.—Stock Duo Art number.
- 12.20 p.m.—Market reports, official weather synopsis and station announcements.
- 12.30 p.m.—G.P.O. chimes.
- 12.31 p.m.—Studio Orchestra. Overture, "The midnight dream"; waltz, "Waiting my time on you"; fox-trot, "I never see Maggie alone"; intermezzi, "Birds and butterflies"; selection, "O. Bin"; violin solo, "Adagio from Sonata"; nocturne, "Dancing nymphs"; value, "Lotus flowers"; finale, Melody march.
- 2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

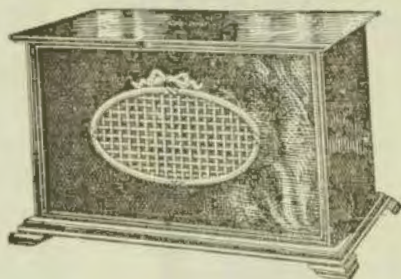
- 3 p.m.—G.P.O. chimes.
- 3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral numbers.
- 3.45 p.m.—From the Studio—Stock Duo Art and Vocal numbers.
- 4 p.m.—G.P.O. chimes.
- 4.1 p.m.—Relay from the Aradia Cafe—Orchestral numbers—Vocalist, Marcelle Herard.
- 4.55 p.m.—Stock Exchange reports, general information and station announcements.
- 5 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

- 6.30 p.m.—G.P.O. chimes.
- 6.31 p.m.—Stock Duo Art number.
- 6.36 p.m.—Bedtime stories.
- 7.30 p.m.—G.P.O. chimes.
- 7.40 p.m.—Starting talk by "Stanley."
- 8 p.m.—G.P.O. chimes.
- 8.1 p.m.—Relay from Malcolm Field.
- 8.20 p.m.—Solo, Mr. J. Riley.
- 8.24 p.m.—Relay from Malcolm Field.
- 8.34 p.m.—Soprano solo, Mrs. Keith Steward.
- 8.44 p.m.—Relay from Malcolm Field.
- 9 p.m.—G.P.O. chimes.
- 9.1 p.m.—Weather report.
- 9.2 p.m.—"Daigey's" wheat report.
- 9.3 p.m.—Solo, Mr. R. Hastings.
- 9.7 p.m.—Merry-makers Orchestra.
- 9.17 p.m.—Solo, Miss Emma Bonchett.
- 9.21 p.m.—Merry-makers Orchestra.
- 9.31 p.m.—Tenor solo, Mr. J. Riley.
- 9.35 p.m.—Merry-makers Orchestra.
- 9.45 p.m.—Soprano solo Mrs. K. Steward.
- 9.49 p.m.—Merry-makers Orchestra.
- 10 p.m.—G.P.O. chimes.
- 10.1 p.m.—"Advertiser" news service.
- 10.15 p.m.—Solo, Mr. R. Hastings.
- 10.19 p.m.—Solo, Miss Emma Bonchett.
- 10.23 p.m.—Merry-makers Orchestra.
- 10.28 p.m.—Solo, Mr. J. Riley.
- 10.32 p.m.—Solo, Mrs. Keith Steward.
- 10.36 p.m.—Merry-makers Orchestra.
- 10.41 p.m.—Solo, Mr. R. Hastings.
- 10.45 p.m.—Solo, Miss Emma Bonchett.
- 10.49 p.m.—Merry-makers Orchestra.
- 11 p.m.—G.P.O. chimes and close down.

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6WF, PERTH

Westralian Farmer's.
Wave Length, 1250 Metres.

- 12.30 a.m.—Tune in.
- 12.35 p.m.—First local news bulletin. Market reports.
- Cables.
- 1 p.m.—Tune signal from the Perth Observatory.
- 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 1.5 p.m.—STUDIO QUINTETT: Overture, "Udine" (Lortie). Suite, "Kutka-Rasacka" (Tappet). Selection, "Marranza" (Wallace). Meditation, "The Swan" (Saint-Saens). Intermezzo, "Sefira" (Biede).
- 2 p.m.—Close down.
- 2.30 p.m.—Tune in.
- 3.35 p.m.—Musical programme.
- 4.30 a.m.—Close down.
- 7 p.m.—Tune in.
- 7.5 p.m.—Musical evening for the kiddies by Uncle Duffy and Aunt Kevin and Uncle Henry, Leslie Perry and Duffy.
- 7.55 p.m.—Stock and share intelligence. Market reports.
- Cables. News supplied by courtesy of "The West Australian" Newspaper Co.
- 8 p.m.—Tune signal from the Perth Observatory.
- 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 8.2 p.m.—POPULAR NIGHT. Musical programme.
- 9 p.m.—Talk: "Hills with remarkable Habits," by Mr. Lawson Whitford.
- 10 p.m.—Second local news bulletin, supplied by courtesy of "The Daily News" Newspaper Co.
- 10.30 p.m.—Close down.

**Sat., February 19
2FC, SYDNEY**

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
- 7.5 a.m.—Studio music.
- 7.10 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
- 7.25 a.m.—Investment, market, mining, share market, metal quotations.
- 7.30 a.m.—Wool sales, breadstuffs markets. Interstate markets, produce markets.
- 7.40 a.m.—"Sydney Morning Herald" news service.
- 8 a.m.—"Big Ben." Studio music.
- 8.15 a.m.—Close down.

MORNING SESSION.

- 8.30 a.m.—Studio music.
- 9.45 a.m.—Last minute sporting information by the 2FC Racing Commissioner.
- 10 a.m.—"Big Ben" and announcements.
- 10.5 a.m.—Late "Sydney Morning Herald" news service.
- 10.15 a.m.—Studio music.
- 10.45 a.m.—A morning reading.
- 11 a.m.—"Big Ben." Australian Press Association and Reuters' Cable Service.
- 11.30 a.m.—Studio music.
- 11.35 a.m.—A Talk on Gardening, by Mr. G. J. Lockley ("Redgum") until 11.50 a.m.

MIDDAY SESSION.

- 11.50 a.m.—FROM THE SYDNEY CRICKET GROUND—Full broadcast description of the Final Match of the Season—Australia versus the Rest of Australia—in connection with the G. G. Macartney Benefit Match.
- 12 noon—"Big Ben." Resume of scores every fifteen minutes.

- 1 p.m.—FROM THE STUDIO—Stock Exchange information. Cricket results until the luncheon adjournment at 1.15.
- 1.15 p.m.—Radio wireless news.
- 1.20 p.m.—"Evening News" midday news service. Weather intelligence.
- 1.35 p.m.—Studio music.
- NOTE—The Macarfield races will be described in the running by the 2FC Racing Commissioner.

AFTERNOON SESSION.

- 2 p.m.—"Big Ben." DIRECT FROM THE SYDNEY CRICKET GROUND—Continuation of the Cricket match with scores every fifteen minutes. During the intervals between cricket and racing information, music from the Studio, and the Wentworth Symphonic Dance Orchestra in popular numbers under the direction of Mr. Sydney Simpson.
- 4 p.m.—FROM THE STUDIO—Resume of the afternoon's sporting events including cricket, tennis, golf, racing, etc. followed by further description of the Match direct from the Sydney Cricket Ground until stumps drawn. Scores at 6 p.m.

EARLY EVENING SESSION.

- 6.5 p.m.—Chimes. The "Hullo Man" talks to the children.
- 6.50 p.m.—A story for the older ones.
- 6.45 p.m.—Dinner music.
- 7 p.m.—Resume of late sporting news.
- 7.15 p.m.—Late "Evening News" news service.
- 7.30 p.m.—Weather intelligence. Studio music.

NIGHT SESSION.

- 7.40 p.m.—Announcement.
- 7.45 p.m.—A tune by the Technical Editor of "Wireless Weekly."
- 8 p.m.—"Big Ben." During the evening descriptions of the racing at the Speedway Royal will be transmitted.
- 8.1 p.m.—FROM THE CRYSTAL PALACE THEATRE—Items by the Orchestra under the baton of Mr. Harry Stone.
- 8.12 p.m.—FROM THE STUDIO—Miss Bertha Warren, Southsea.
- 8.15 p.m.—Mr. Robert Turner, Entertainer—"The happenings of Bobby" (Turner).
- 8.20 p.m.—Mr. Ernest Archer, Tenor.
- 8.24 p.m.—Mr. Lisle Pearce, Zylphonic soloist.
- 8.30 p.m.—Miss Ethel Warren, Southsea.
- 8.37 p.m.—FROM THE CRYSTAL PALACE THEATRE—Orchestral items.
- 8.50 p.m.—FROM THE STUDIO—Mr. Laurence Hallbert introduces the Radio Levellers.
- 8.53 p.m.—The 2FC Dance Band, conducted by Mr. Eric Pearson; with Mr. Len Maurice, the popular baritone.
- 9 p.m.—"Big Ben." Mr. Tom Lamond, tenor.
- 9.4 p.m.—Some nonsense from Mr. Gus Garling.
- 9.35 p.m.—Miss Margaret Grimshaw, mezzo.
- 9.14 p.m.—Mr. Robert Turner, Entertainer—"A baby tale" (Marsh).
- 9.15 p.m.—Miss Bertha Warren, Southsea.
- 9.23 p.m.—Racing results direct from the Speedway Royal.
- 9.26 p.m.—From the Studio—Mr. Tom Lamond, tenor.
- 9.30 p.m.—A Radio skit.
- 9.34 p.m.—Miss Irene Jay, Entertainer.
- 9.40 p.m.—How to separate K.D.E.A. from 2FC.
- 9.41 p.m.—Mr. Ernest Archer, tenor.
- 9.44 p.m.—Miss Margaret Grimshaw, mezzo.
- 9.52 p.m.—Mr. Robert Turner, Entertainer—"The Fireman" (Lester) (assisted by Miss Bertha Warren).
- 9.56 p.m.—The 2FC Dance Band and Mr. Len Maurice, popular baritone.
- 10.05 p.m.—"Big Ben." Results direct from the Speedway Royal.
- 10.5 p.m.—Mr. Tom Lamond, tenor.
- 10.9 p.m.—Miss Margaret Grimshaw, mezzo.
- 10.13 p.m.—Mr. Robert Turner, Entertainer—"Hips" (Taylor).
- 10.16 p.m.—Miss Margaret Grimshaw, mezzo.
- 10.20 p.m.—The 2FC Dance Band and the popular baritone, Mr. Len Maurice.
- 10.26 p.m.—Miss Irene Jay, Entertainer.
- 10.30 p.m.—Hits by the 2FC Radio Levellers.
- 10.35 p.m.—The 2FC Studio Dance Band.

- 10.45 p.m.—Late sporting news and announcements.
- 10.50 p.m.—The 2FC Dance Band.
- 11 p.m.—"Big Ben." Items by the 2FC Dance Band until midnight, assisted by Mr. Len Maurice, popular baritone.
- 12 midnight—"Big Ben." National Anthem. Close down.

2BL, SYDNEY

EARLY MORNING SESSION.

- 7.15 a.m.—G.P.O. clock and chimes.
- 7.16 a.m.—Musical programme from the Studio.
- 7.19 a.m.—Physical training and health exercises.
- 7.25 a.m.—Hints on health.
- 7.30 a.m.—Physical training and health exercises.
- 7.45 a.m.—G.P.O. clock and chimes. 7.45 Weather report.
- 7.48 a.m.—Sporting information.
- 7.50 a.m.—Broadcaster's special news service.
- 8 a.m.—G.P.O. clock and chimes. Close down.

MORNING SESSION.

- Racing information broadcast by courtesy of the "Sun."
- 11 a.m.—G.P.O. clock and chimes.
- 11.1 a.m.—Weather report and forecast by courtesy of Government Meteorologist.
- 11.3 a.m.—Sydney "Daily Telegraph" News Service.
- 11.35 a.m.—Women's Session conducted by Mrs. Jordan—Social Notes.
- 11.50 a.m.—Mrs. Jordan replies to correspondents.
- 11.40 a.m.—Talk by Mrs. Jordan on "Simple Cooking for Children."
- 11.5 p.m.—Musical programme from the Studio.
- 12.15 p.m.—News from the "Sun" Cable Edition.
- 12.30 p.m.—G.P.O. clock and chimes.
- 12.31 p.m.—London metal quotations.
- 12.33 p.m.—Hints in call by wireless.
- 12.35 p.m.—Weather report and forecast.
- 12.37 p.m.—Shipping information—arrivals and departures.
- 12.40 p.m.—Information re interstate and overseas mails.
- 12.45 p.m.—News from the "Sun."
- 12.5 p.m.—G.P.O. clock and chimes.
- 11 p.m.—Musical programme from the Studio.
- 1.15 p.m.—News from the "Sun."
- 1.30 p.m.—G.P.O. clock and chimes.
- 1.31 p.m.—Musical programme from the Studio.
- 1.43 p.m.—Talk on sporting and athletic fixtures for the day. Lacrosse, hockey, golf, bowls, tennis, baseball. During the afternoon sporting information will be broadcast by courtesy of the "Sun" Newspaper, racing results will be broadcast every half-hour.
- Musical programme from the Studio during the afternoon.
- 6 p.m.—G.P.O. clock and chimes. Close down.

EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. clock and chimes.
- 5.46 p.m.—Uncle George and the Kiddies.
- 6.40 p.m.—Musical programme from the Studio.
- 7.15 p.m.—Result of all sporting information, including racing, bowls, tennis, swimming, sailing, athletics by courtesy of the "Sun."
- 7.30 p.m.—Country news from the "Sun" and results of all sporting and athletic fixtures.
- 7.40 p.m.—A talk on "Australian Humour," by Mr. A. G. Stephen.
- 8 p.m.—G.P.O. clock and chimes. Broadcaster's Special, Chimes.
- 8.5 p.m.—Mr. H. Hinchcliffe, baritone.
- 8.10 p.m.—Miss Marjorie Skell, soprano.
- 8.17 p.m.—Miss Molly Hayton, comedienne.

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THE ELECTRON WAY



8.24 p.m.—Mr. R. M. Baxter, tenor
 8.31 p.m.—Mr. Walter Champerne, comedian.
 8.38 p.m.—Miss Grace Saville, contralto.
 8.41 p.m.—Mr. Dick Matthes, light baritone.
 8.52 p.m.—Resume of following day's programme.
 Weather report and forecast by courtesy of Mr. C. Hayes, Government Meteorologist.
 9 p.m.—G.P.O. clock and chimes.
 9.1 p.m.—Bill and Molly Owen and Jack Southers, novelty entertainers.
 9.21 p.m.—Miss Marjorie Skill.
 9.24 p.m.—Interval.
 9.25 p.m.—Mr. E. Hitchell.
 9.40 p.m.—Miss Molly Rayner.
 9.47 p.m.—Mr. E. M. Baxter.
 9.51 p.m.—Mr. Walter Champerne.
 10.1 p.m.—Miss Grace Saville.
 10.4 p.m.—Mr. Dick Matthes.
 10.15 p.m.—The Ambassadors' Dance Band broadcast from the ballroom of the Ambassadors. During the intervals between dances news reports by courtesy of the "Sun" will be broadcast.
 11 midnight.—G.P.O. clock and chimes. National Anthem.

2KY, SYDNEY

EVENING SESSION

7.15 p.m.—Sporting feature. Complete review of today's racing. MR. A. E. POWELL.
 7.50 p.m.—News items and late sporting news.
 8 p.m.—Pianoforte solo, MISS ALMA HADLEY.
 8.15 p.m.—Sketch, MISS VOLSKOW AND MR. CORBEN.
 8.30 p.m.—Musical interlude. Glaciarium Dance Orchestra. Billy Romaine Leader.
 8.45 p.m.—Results, MR. BOB CORBEN.
 8.45 p.m.—Labor Legislation article, MR. J. C. ELDRIDGE.
 8.50 p.m.—Sporting feature. From the track of the Speedway Royal. Description and results of motor cycle racing.
 8.50 p.m.—Humorous odds and ends, MR. HERBERT BEAVER.
 8.55 p.m.—From the Speedway Royal.
 10 p.m.—Glaciarium Dance Orchestra. Billy Romaine Leader. By kind permission of G. C. IRVING.
 10.20 p.m.—Closing announcements.

3LO, MELBOURNE

MORNING SESSION

THE STUDIO ORCHESTRA

DREW AND ROMAINE.
 GERTRUDE ARMSTRONG, pianist.
 JACK DUNNE, baritone.
 MARGIE FORTER, violin.
 MILES HASTINGS.
 MONA THOMAS, soprano.
 DOROTHY ROXBURGH, solo.
 NORMAN BRADSHAW, tenor.
 Announcer MAURICE DUDLEY
 Accompanist AGNES FORTUNE
 11 a.m.—STUDIO ORCHESTRA.
 Selection—'You're in Love' (Friend).
 12.10 a.m.—DREW AND ROMAINE, two boys and a piano.
 "Play on your Old Banjo."
 "You Give me Two Bubs."
 11.35 a.m.—GERTRUDE ARMSTRONG, piano selection:
 "The old rustic bridge."
 "Comin' through the rye."
 11.45 a.m.—JACK DUNNE, baritone.
 "To-night's my Night with Bubs" (Buckingham).
 "Ticked to Death 'My Sings" (Gidont).
 11.45 a.m.—STUDIO ORCHESTRA.
 "Four Indian Love Lyrics" (Finden).
 11.52 a.m.—MONA THOMAS, soprano.
 "So Summer Night."
 "One little Two."

12 noon—Time Signal. British Official Wireless news from Rugby (tenor) and the Australian Press Association Cables.
 "Angus" and "Herald" news services.
 Shipping intelligence.
 12.15 p.m.—Stock Exchange information.
 12.20 p.m.—STUDIO ORCHESTRA.
 "Lily Muleen" (Rubens).
 12.30 p.m.—JACK DUNNE, baritone.
 "Sings" (London).
 "Sings" (London).
 12.37 p.m.—MARGIE FORTER, violin.
 "Hanna."
 "In the Gloaming."
 12.47 p.m.—MILES HASTINGS, violinist.
 "Square deal Sings."
 12.54 p.m.—STATION TRIO.
 "No. XXI" (Hayes).
 1 p.m.—MONA THOMAS, soprano.
 "Father go Rouben."
 "Are You Sorry."
 1.17 p.m.—DOROTHY ROXBURGH, solo.
 "Romance" (Sitz).
 1.18 p.m.—METEOROLOGICAL INFORMATION.
 1.24 p.m.—NORMAN BRADSHAW, tenor.
 "Spring" (Rusmond).
 "A Spirit Flower" (Campbell-Tipton).
 1.31 p.m.—Description of St. Clair Trial, Caulfield Races, by "Musket," of the "Sporting Globe."
 1.35 p.m.—STUDIO ORCHESTRA.
 "Blegie" (Mozart).
 1.43 p.m.—NORMAN BRADSHAW, tenor.
 "Adam Mine" (Newell).
 "I Know of Two Bright Eyes" (Gustav).
 1.45 p.m.—STUDIO ORCHESTRA.
 "Hamorski" (Dvorak).
 2 p.m.—Class news.
 2.00 p.m.—Description of Alma Stakes Caulfield Races, by "Musket," of the "Sporting Globe."
 Close down.

AFTERNOON SESSION

JOE ARNOLD AND HIS SYNCOPATING SYMPHONISTS.
 3 p.m.—JOE ARNOLD AND HIS SYNCOPATING SYMPHONISTS.
 "Goodnight, 'Til See You in the Morning."
 3.5 p.m.—Description of Woodville Handicap, Caulfield Races, by "Musket," of the "Sporting Globe."
 3.10 p.m.—JOE ARNOLD AND HIS SYNCOPATING SYMPHONISTS.
 "Where did you get those Eyes" (Donaldson).
 "I'll Climb the Highest Mountain" (Brown).
 "Love Me Today" (Belly).
 "The Animal Fair" (Clare Day).
 "Say that You Love Me" (Nichols).
 "How Could Red Riding Hood" (Randolph).
 "Precious" (Egan).
 3.45 p.m.—Description of Futurity Stakes, Caulfield Races, by "Musket," of the "Sporting Globe."
 3.50 p.m.—JOE ARNOLD AND HIS SYNCOPATING SYMPHONISTS.
 "St. Louis Blues" (Kamp).
 "Moonlight on the Ganges" (Myers).
 "Baroness" (Egan).
 "Laughing at the Town" (Young).
 "No Fool" (Egan).
 "Pearl of Malabar" (Nichols).
 3.50 p.m.—Description of Stanley Hoopie, Caulfield Races, by "Musket," of the "Sporting Globe."
 4.25 p.m.—JOE ARNOLD AND HIS SYNCOPATING SYMPHONISTS.
 "After I say 'I'm Sorry' (Donaldson).
 "In a Little Spanish Town" (Young).
 "Speech."
 "White the Years, go Drifting By."
 "Red, Red Robin."
 4.45 p.m.—"Herald" news service. Stock Exchange information.
 4.45 p.m.—Description of Hawkeburn Handicap, Caulfield Races, by "Musket," of the "Sporting Globe."
 4 p.m.—Close down.

EVENING SESSION

8.30 p.m.—Sporting Results.
 8.40 a.m.—CHILDREN'S HOUR. Answers to letters and Birthday greetings.

8.50 p.m.—DREW AND ROMAINE will amuse the children for a few minutes.
 8.2 p.m.—Little Miss Koukabarra will tell her Koukabarra sisters and brothers two original stories by "Idle"—first, "The Fairy Jumper."
 4.17 p.m.—THE KENTUCKY THREE.
 "Nanette."
 "Singer in the Woodpile."
 4.50 p.m.—Little Miss Koukabarra will give the second story.
 "Lily's Birthday Party."
 6.05 p.m.—"Angus" and "Herald" news services. Weather information. Aerial information by the Australian Aerial Services, Ltd.
 8.47 p.m.—Stock Exchange information. Overseas shipping.
 6.50 p.m.—Fish Market reports by J. R. Burnett, Ltd.
 6.55 p.m.—River reports.
 6.58 p.m.—Market reports by the Victoria Producers' Co-operative Co., Haymarket sheep sales. Poultry, grain, shaft, Hay straw, late, Dairy Feedings, Pastures and Oatmeal. Market prices of Oranges and Lemons, by the Victorian Central Glass Association Pty. Ltd.
 Fruit Market reports by The Victorian Fruitgrowers' Association, compiled by "The Fruit World," exclusive to 3LO.

NIGHT SESSION

Speakers: Mr. W. T. FRANKIE, Mr. F. CHAPMAN, Mr. J. A. MORRISON.
 THE STUDIO ORCHESTRA.
 JESSIE BATCHELOR, contralto.
 MOANA LUA DUG.
 NORMAN BRADSHAW, tenor.
 JOE ARNOLD AND HIS SYNCOPATING SYMPHONISTS.
 Announcer ALFRED ANDREW
 Accompanist AGNES FORTUNE
 7.35 p.m.—Mr. W. T. FRANCIS will speak on "Canaries."
 7.40 p.m.—Mr. F. CHAPMAN.
 "In the Botanic Gardens, Melbourne—Larks with the past."
 7.45 p.m.—Under the auspices of the Develop Australia League, Mr. J. A. MORRISON, Metropolitan Chairman of the A.N.A., "The Romance of Australia's Antiquities."
 8 p.m.—STUDIO ORCHESTRA.
 "Coppelia Ballet Suite" (Delibes).
 8.10 p.m.—JESSIE BATCHELOR, contralto.
 "Two Eastern Songs" (Lang).
 8.15 p.m.—MOANA LUA DUG.
 "Rose of Waikei."
 "Tux Caration."
 8.25 p.m.—NORMAN BRADSHAW, tenor.
 "In Her Simplicity" (Mignon).
 "Alice! Where Art Thou?"
 8.30 p.m.—STUDIO ORCHESTRA.
 "Suite Romantique" (Ketyler).
 8.45 p.m.—A SPECIAL PROGRAMME IS BEING ARRANGED BY MR. NORMAN Mc'ANCE.
 10.15 p.m.—STUDIO ORCHESTRA.
 "Serenade" (Cajano).
 10.25 p.m.—JESSIE BATCHELOR, contralto.
 "I see a Robe" (Bach).
 10.32 p.m.—JOE ARNOLD AND HIS SYNCOPATING SYMPHONISTS.
 "Just a Cottage Small" (Hanley).
 "Let's Talk about My Sweetie."
 10.42 p.m.—"Angus" news service. British Official Wireless news. Meteorological information. Sporting results.
 11 p.m.—OUR GREAT THOUGHT.
 "The most profound sign of wisdom is continuous cheerfulness."
 11.1 a.m.—JOE ARNOLD AND HIS SYNCOPATING SYMPHONISTS.
 "Dreaming of Castles in the Air." (Ward).
 "To-night's My Night with Bubs" (Bever).
 "Angry."
 "I Wish I had my Old Gal Dark Aggie."
 "Sunder."
 "Rose Colored Glasses."
 "Calling Me Home."
 11.40 p.m.—GOD SAVE THE KING.

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(S./11.)

IN
THE
WORLD
S-B.



A Tip to Politicians.

If I were a politician, I should shrink from keeping one ear to the ground, which is supposed to be the practice in the best political circles. I should leave that to collectors of ear-wigs and ear aches.

The best way of knowing what the public thinks is to eat lamb chops in a cheap restaurant or squeeze into the over-full smoking end of a Sydney tram!

Apart from remarks on my own size, shape, manners and hereafter, I have listened with interest to similarly heated arguments on Mussolini, women in politics (and smokers), the drink-with-meals bill, Mr. Lang, the baby bonus, and a hundred other vexed questions. I always keep cool at such times—a man with my belt measurement must remember his wife. But the other day I was getting heated when the tram pulled up at my stop. Two wedged-in men were discussing radio batteries. They had tried them all, and one of them capped the argument:—

"I'll give it to you that the Philco is way above the rest of the bunch, but isn't an Eliminator cheaper and more efficient?"

If that old tram had not stopped, I should have butted right in and answered him:—

"Get the Eliminator out of your mind! It's dearer to buy, and it isn't cheaper in any way, because you must buy a charger for the 'A' battery.

"Then you are working with a fluctuating electric light which plays old Harry with valves. Moreover, you will find difficulty in dodging the A.C. hum with roar and buzz. Besides these cheap eliminators do not deliver sufficiently high voltage."

By that time he would have assured me that I needed eliminating!

Don't be misled by all this eliminator talk. Make your radio music pure and your life happy by a Philco 83X from any high-class dealer, or write to New System Telephones Pty. Ltd., 280 Castlereagh Street, the Australian father and mother of the Philco.

4QG, BRISBANE

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

- 3.25 p.m.—Tune in.
 - 3.30 p.m.—A Matinee for the listeners by "Miss Waratah."
 - 4.30 p.m.—Close down.
- LATE EVENING SESSION.**
- 6.25 p.m.—Tune in.
 - 6.39 p.m.—Children's Session—Bedtime Stories by "Uncle Ben" and "Uncle Jim."
 - 7.15 p.m.—Sporting news.

NIGHT SESSION.

- 7.45 p.m.—Lecture Session—a gardening talk—"Shrubs," by "Tocoma."

VIOLIN RECITAL.

To-night's programme will comprise a violin recital broadcast from the studio of Mr. Luis Amadeo Pares ("The Hall of the Muses"), Little Roana Street, Brisbane. During the evening the main motor cycle race from the National Speedway will be described. The time of this race will be announced at the commencement of the evening's programme.

8 p.m.—FROM "THE HALL OF THE MUSES"—

- Pianoforte solo, "Prelude C-Sharp Minor" (Rachmaninoff), Miss Gertrude Anderson; song, "W'Appari" (Flotow), Mr. Hugh Herald; violin duet, "Serenade" (Widor); Miss Marion Wilson and Mr. Luis Amadeo Pares, eleventhly item, "The Song of the Wave Slave" (Robt. Service); Mr. Phillip O'Brien Hoare; song, "Harcouin" (M. M. Inna; violin solos—(a) "Liesbefeid" (Reisler); (b) "Le Menestrier" (Wieniawski); Miss Marion Wilson; song, selected, Madame Bolhova; harp and cello duet, selected, Misses Hargreaves and Warren; song, "Frologue Fado" (Lecoraivallo); Signor Corti; violin and flute duet, "Aas Wisa" (Krieger); Miss Paquitta Gray and Mr. Luis Amadeo Pares, song, "To a Miniature" (Brahm); violin solos—(a) "Liesbefeid" (Reisler); (b) "Le Menestrier" (Wieniawski); Miss Marion Wilson; song, selected, Madam Bolhova; flute solo, "Andante" (Harmstien); Captain Marshall; song, selected, Signor Corti; violin solos—(a) "Zapstosel" (Sarasate); (b) "A Good Kindly Light," Mr. Amadeo Pares.
- 10 p.m.—FROM THE STUDIO—The "Sunday Mail" news, weather news. Close down.

5CL, ADELAIDE

MORNING SESSION.

- 10.20 a.m.—G.P.O. chimes.
- 10.31 a.m.—Studio Orchestra—Selection, "The merry widow"; waltz, "There never was a pal like you"; fox trot, "Smiling eyes"; cello solo, "Moonlight" selection, "Mignon"; "Serenade D'Amour"; entr'acte, "Early roses"; two-step, "Listening-in"; finale, "Bethlehem"; song, selected, Madam Bolhova.
- 11.45 a.m.—"Advertiser" news service.
- 12 noon.—G.P.O. chimes and close down.

AFTERNOON SESSION.

- 12.45 p.m.—Relay from the Gawler racecourse. Running description of races held by the Gawler Jockey Club. Description by Mr. Arnold Trotter. Interpreted with Stock Drib Art and Vocalion numbers and interstate sporting from the studio.

EVENING SESSION.

- 6.30 p.m.—G.P.O. chimes.
- 6.31 p.m.—Stack Due Art.
- 6.38 p.m.—Bedtime stories.
- 7.30 p.m.—Berets.
- 7.40 p.m.—Sporting results.
- 8 p.m.—G.P.O. chimes.
- 8.1 p.m.—Solo, Miss A. Bourke.
- 8.5 p.m.—Solo, Mr. Ted Jenkins.

- 8.9 p.m.—Violin solo, Miss K. Yeoger.
- 8.14 p.m.—Contralto solo, Mrs. H. James.
- 8.18 p.m.—Solo, Mr. Hartley Williams.
- 8.22 p.m.—Relay from the Floating Palais.
- 9 p.m.—G.P.O. chimes.
- 9.1 p.m.—Soprano solo, Miss A. Bourke.
- 9.5 p.m.—Solo, Mr. Ted Jenkins.
- 9.9 p.m.—Violin, Miss K. Yeoger.
- 9.14 p.m.—Contralto solo, Mrs. H. James.
- 9.18 p.m.—Solo, Mr. Hartley Williams.
- 9.22 p.m.—Relay from the Floating Palais.
- 10 p.m.—G.P.O. chimes.
- 10.1 p.m.—Sporting results.
- 10.15 p.m.—Soprano solo, Miss A. Bourke.
- 10.19 p.m.—Solo, Mr. Ted Jenkins.
- 10.23 p.m.—Violin solo, Miss K. Yeoger.
- 10.28 p.m.—Solo, Mr. Hartley Williams.
- 10.32 p.m.—Relay from the Floating Palais.
- 11 p.m.—G.P.O. chimes and close down.

6WF, PERTH

- 12 noon—Tune in.
- 12.5 p.m.—Musical programme, including pianoforte selections by Miss Evelyn Willis, A.R.C.M.
- 12.47 p.m.—First local news bulletin. Market reports. Calles.
- 1 p.m.—Time signal from the Perth Observatory.
- 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 1.2 p.m.—Close down.
- 7 p.m.—Tune in.
- 7.5 p.m.—Auntie Evelyn will tell short stories to the kiddies.
- 7.25 p.m.—Sports results supplied by courtesy of "The Mirror," Newspaper Co.
- 7.55 p.m.—Market reports. Calles. News supplied by courtesy of "The West Australian" Newspaper Co.
- 8 p.m.—Time signal from the Perth Observatory.
- 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 8.5 p.m.—VARIETY: Mr. Rhye Francis, tenor: "I Fitch My Lonely Caravan" (Costes); "Mary" (Richardson); "If In the Great Bazaars" (Coffinshy Charles); "Love, You Have Made Me a Garden" (Thompson).
- Miss Evelyn Willis, A.R.C.M., pianiste: A play written by Mr. H. T. Newland. Players, Mr. and Mrs. Herbert Millard. Novelty Sounds Transmission.
- 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.
- 10.30 p.m.—Close down.

Sunday, February 20 2FC, SYDNEY

MORNING SESSION.

- 10.55 a.m.—Announcements from the studio.
- 11 a.m.—FROM ST. ANDREW'S CATHEDRAL, George Street, Sydney—The morning service conducted by the Very Rev. Dean Talbot.
- 12.15 p.m.—FROM THE STUDIO—News item.
- 12.30 p.m.—Close down.

AFTERNOON SESSION.

- 2.55 p.m.—Announcements from the studio.
- 3 p.m.—"Big Ben"—FROM THE CONGREGATIONAL CHURCH—PETERSHAM. An Organ and Voice Recital arranged by Mr. Christian Hellemann.
- 4.46 p.m.—FROM THE STUDIO—The story of the British Press told by Captain Fred. Arnone.
- 8 p.m.—"Big Ben." Close down.

EVENING SESSION.

- 8 p.m.—"Big Ben" and announcements.
- 8.5 p.m.—A programme of Gipsy songs, arranged by Mr. Bennet North. QUARTETTE—"The Perils" (Miss Jessie Hutchinson); soprano: Miss Barbara Briscoe, contralto: Messrs. F. Procter and M. Daly).
- 9.10 p.m.—SONG—"Red star of the Romanay," Mr. M. Daly.
- 9.15 p.m.—DUET—"Home to our Mountains," Miss Barbara Briscoe and F. Procter.
- 9.20 p.m.—SONG—"Tell me, Gipsy," Miss Jessie Hutchinson.
- 9.25 p.m.—QUARTETTE—"What a merry life," Mr. M. Daly.
- 9.30 p.m.—DUET—"At love's beckoning," Miss Jessie Hutchinson and M. Daly.
- 9.35 p.m.—SONG, Mr. F. Procter: "I Fitch my Lonely Caravan"; "Where my Caravan has Roamed."
- 9.40 p.m.—SONGS: "The Romanay Fiddle," "Take heart till Spring," Miss Barbara Briscoe.
- 9.45 p.m.—QUARTETTE—"Come let us Join the Boundaries."
- 9.50 p.m.—FROM THE LYCEUM HALL, Pitt Street, Sydney: Organ solo.
- 7 p.m.—The Evening Service of the Central Methodist Mission, conducted by the Rev. H. C. Foreman.
- 8.25 p.m.—Interval.
- 8.25 p.m.—FROM THE BAND ROTUNDA, MANLY BEACH—The Manly Municipal Band, conducted by Mr. Arthur P. Bennett.
- 9.00 p.m.—FROM THE STUDIO—Mr. Norman Janson, baritone, in a Cycle of songs by the English Composer, Eric Costes—(a) "Yearning" (b) "In town" (c) "Bird songs at sundown."
- 9.38 p.m.—Mr. Gladstone Bell, cellist.
- 9.40 p.m.—Miss Maude Teifer, soprano.
- 9.50 p.m.—Mr. Norman Janson, baritone—(a) "Brown eyes I love" (Eric Costes); (b) "Mendlin' Bonfires" (Eric Costes); (c) "I heard you singing" (Eric Costes).
- 9.58 p.m.—Mr. Gladstone Bell, cellist.
- 10.7 p.m.—Miss Maude Teifer, soprano.
- 10.15 p.m.—NATIONAL ANTHEM. Close down.
- At the Piano—Mr. Horace Keats.

2BL, SYDNEY

- 10.45 a.m.—Special news service.
- 11 a.m.—Church service.
- 1.50 p.m.—Concert from the Studio.
- 4.45 p.m.—Bible Class, conducted by Mr. W. "Cairo" Bradley.
- 5.30 p.m.—Close down.

EVENING SESSION.

- 8 p.m.—Church service.
- 8.30 p.m.—From the Studio: Broadcaster's Trio.
- 8.40 p.m.—Miss Helena Stewart, soprano.
- 8.47 p.m.—Mr. David Smith, baritone.
- 8.54 p.m.—Resume of following day's programme.
- Weather report and forecast broadcast by courtesy of the Government Meteorologist.
- 9 p.m.—G.P.O. clock and chimes.
- 9.1 p.m.—Miss Madge Hellmrich, contralto.
- 9.8 p.m.—Sketch by Miss May Nancarrow and Mr. W. Collins.
- 9.23 p.m.—Miss Dulcie Blair, violinist.
- 9.30 p.m.—Miss Helena Stewart.
- 9.37 p.m.—Broadcaster's Trio.
- 9.47 p.m.—Mr. David Smith.
- 9.54 p.m.—Miss Madge Hellmrich.
- 10.1 p.m.—Broadcaster's Trio.
- 10.11 p.m.—National Anthem.

2GB, SYDNEY

- 10.20 a.m.—Organ Music from St. Alban's Liberal Catholic Church, Redfern.
- 10.30 p.m.—Morning Service from St. Albans' Celebration of Holy Eucharist; Sermon: Celebrant, Rt. Rev. J. Tatterner.
- 12 noon—Close down.
- 7 p.m.—Music from Studio.
- 7.15 p.m.—Music from Adyar Hall and Lecture by PROFESSOR ERNEST WOOD.

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Near Lift Entrance

- 7.40 p.m.—Duets for two violins with piano accompaniment. DAN SCULLY, MONICA HORDER, ADA BROOK.
- 8.05 p.m.—Piano solo by ADA BROOK.
- 1.
- 2.
- 7.55 p.m.—Talk by Mr. J. K. Powell. "WHY MEN DON'T GO TO CHURCH."
- 8.15 p.m.—Violin solo by MONICA HORDER
- 1.
- 2.
- 8.22 p.m.—Duets for two violins with piano accompaniment. DAN SCULLY, MONICA HORDER, ADA BROOK.
- 8.30 p.m.—Talk.
- 8.50 Music from Studio.

3LO, MELBOURNE

MORNING SESSION.

- 10.30 a.m.—Bells transmitted from St. Paul's Cathedral.
- 10.45 a.m.—British Official Wireless and Express Train information.
- 11 a.m.—SERVICE FROM CENTRAL MISSION WESLEY CHURCH, Lansdale Street, Melbourne. Conducted by REV. J. H. CAIN, Doxology and Invocation.
- Hymn: "Was there ever Kinder Shepherd." Prayer.
- Hymn: "Sometimes a Light Surprises." Solo: Miss B. ROSENBERG, "Nearer, My God, to Thee."
- Scripture Reading, Psalm 42.
- ANTHEM: Choir.
- Notices and Offering.
- Children's Hymn: "Gentle Jesus, meek and mild."
- SERMON.
- Hymn: "Give to the Winds thy Fear." Benediction.
- 12.15 p.m.—Close down.

AFTERNOON SESSION.

- 3 p.m.—Pleasant Sunday Afternoon Service, from CENTRAL MISSION WESLEY CHURCH, Chairman, REV. J. H. CAIN, Organist, Selection (Mr. G. M. Williams, Conductor).
- Hymn: "Hail Thou once Deigned Jesus."
- Prayer: Rev. C. Irving Benson.
- Hymn: "I've reached the Land of Corn and Wine."
- Solo: Mr. PERRY BLUNDELL, "There is a Flower that bloometh (Magnaria)." Organist Selection.
- Solo: Mr. PERRY BLUNDELL, "One Lone Star" (Maccanus).
- Notices, Offering, and Organist Selection.
- ADDRESS: REV. A. T. HOLDEN, B.A., "THE CALL OF THE NEVER NEVER COUNTRY."
- National Anthem.
- Benediction.
- 4.20 p.m.—Close down.

EVENING SESSION.

- 6.40 p.m.—CHILDREN'S HOUR.
- Hymns by "THE PIED PIPERS"
- Organ Solo.
- Hymn: "Once in David's Royal City."
- Hymn: "O Little Town of Bethlehem."
- 6.50 p.m.—"I've reached the Never Never" will tell you more about the "Christmas Carol."
- 6 p.m.—"THE PIED PIPERS".
- Chorus: "Lead, Kindly Light"
- Solo and Chorus: "Hush-hush."
- Chorus: "A Riddle Question."
- "Little Brownies."
- Piano: "The Huntsman."
- Marionettes.
- Chorus: "Swallow, The Children Keep."
- Solo: "Bash Night Song"
- Chorus: "Cradle Song."
- 6.25 p.m.—Answers to letters and Birthday Greetings, by "BILLY BENNY."
- 6.35 p.m.—"BILLY BUNNY" will continue the story of "David Livingstone."
- 6.45 p.m.—Close down.

NIGHT SESSION.

SERVICE FROM ST. PAUL'S CATHEDRAL, JOE ARONSON'S SYMPHONY ORCHESTRA.

- SAFFO ARNAV, soprano.
- BESSIE GALTSON, violin.
- HARRY WALTERS, Steel Guitar.
- CARLO BRIGLIA, violin.
- HARRY KITTS, baritone.
- Accompanist: AGNES FORTUNE
- Announcer: MAURICE DUDLEY
- 6.50 p.m.—Bells transmitted from ST. PAUL'S CATHEDRAL.
- 7 p.m.—SERVICE FROM ST. PAUL'S CATHEDRAL: Evening (Choral). Hymn. Scripture. General Confession. The Absolution. The Lord's Prayer. Versicles and Responses. Psalm. 1st Lesson. Magnificat. 2nd Lesson. Ninte Epistle. The Apostles' Creed. The Collects. Anthem: "O Thou once living Soul awate" (Haydn).
- Prayer.
- Hymn.
- THE SERMON: THE ARCHBISHOP.
- Hymn.
- The Benediction.

FROM THE STUDIO:

- 5.40 p.m.—JOE ARONSON'S SYMPHONY ORCHESTRA: "Second Hungarian Rhapsody" (Liszt).
- 5.52 p.m.—SAFFO ARNAV, soprano. "Ave Maria" (Gounod).
- Violin obligato by MISS BESSIE GALTSON.
- 6 p.m.—CARLO BRIGLIA, of the Symphony Orchestra, Violin Solo: "Johanna" (Schubert).
- "Ave Maria" (Kreutzer-Savin).
- 6.25 p.m.—HARRY KITTS, baritone: "In a Little Spanish Town" (Wagner).
- 6.14 p.m.—JOE ARONSON'S SYMPHONY ORCHESTRA: "Gems of Opera and Ballet" (Lace, Robert).
- 6.20 p.m.—SAFFO ARNAV, soprano: "Gems my mother taught me" (Dvorak). "Tan Gladi" (Manna Escorial).
- 6.36 p.m.—HARRY WALTERS, of the Symphony Orchestra, Steel Guitar Solo: "The Rosary" (Neville).
- 6.42 p.m.—JOE ARONSON'S SYMPHONY ORCHESTRA: "Indian Dances" (Pindori).
- 6.52 p.m.—"Aria" news service. Announcements.
- 10 p.m.—OUR GREAT PRODIGY: "Aria in Defeat" Nothing but education, nothing but the best take to something better." —Wendell Phillips.

4QG, BRISBANE

MORNING SESSION.

CHURCH SERVICE.

- The complete Morning Service will be relayed from the Albert Street Methodist Church.
- 11 a.m.—Church Service. Close down.
- AFTERNOON SESSION.
- BAND CONCERT.
- The concert provided in the Botanic Gardens, Brisbane, will be relayed.
- 3.15 p.m.—Band Concert.
- 4.30 p.m.—Close down.

NIGHT SESSION.

CHURCH SERVICE.

- The Evening Service will be relayed from Albert Street Methodist Church.
- 7 p.m.—Church service.
- 8.40 p.m.—Benediction.

BAND CONCERT.

- At the conclusion of the Church Service, the concert by the Brisbane Municipal Concert Band will be relayed from Dickman Park. The programme will include: Overture, "Tannhauser" (Wagner); selection, "Marco Visconti" (Pretella); burlesque, "The Blind Mice" (Lottier).
- 8.30 p.m.—Close down.

5CL, ADELAIDE

MORNING SESSION.

- 11 a.m.—Relay from the Maughan Methodist Church.
- EVENING SESSION.
- 6.30 p.m.—G.P.O. chimes.
- 6.31 p.m.—Stock Day Art.
- 6.36 p.m.—Sunday stories for children.
- 7 p.m.—G.P.O. chimes.
- 7.1 p.m.—Relay from St. Bartholomew's.
- 8.15 p.m. (approx.)—From Studio—Vocal numbers by Mr. A. Mathea, Miss L. Wald, Miss Jean Sinclair, Mr. Fred Williamson, and Miss M. Moran.
- 8.45 p.m.—Relay from the S.A.R. Institute, band music by the S.A.R. Band.
- 9 p.m.—G.P.O. chimes.
- 9.1 p.m.—Weather report.
- 9.2 p.m.—Talk by Mr. P. H. Nicholls, "James Russell."
- 9.17 p.m.—Relay from the S.A.R. Institute, band music, and vocal numbers.
- 10 p.m.—G.P.O. chimes and close down.

6WF, PERTH

- 10.45 a.m.—Tune In.
- 11 a.m.—Morning service relayed from St. Mary's Roman Catholic Cathedral, Perth.
- 12 noon.—Close down.
- 3.15 p.m.—Tune In.
- 3.20 p.m.—Major Le Rouff will give a short talk on the animals of the Zoo.
- 3.30 p.m.—R.S.L. Band and Vocal Concert relayed from the Zoological Gardens, South Perth. Conductor, Mr. Geo. S. Bellor.
- 5 p.m.—Close down.
- 7 p.m.—Tune In.
- 7.15 p.m.—Children's bedtime stories by Mr. John Tucker.
- 7.25 p.m.—Evening service relayed from the Wesley Church, Perth. Preacher, Rev. J. W. Grove, M.A., LL.B.
- 8.15 p.m.—Perth City Band and Vocal Concert relayed from the Government Gardens, Perth. Conductor, Mr. W. A. Halverson.

Mon, February 21

2FC, SYDNEY

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
- 7.5 a.m.—Studio music.
- 7.10 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services, commercial news.
- 7.25 a.m.—Investment market, mining store market, metal quotations, foreign rainfall.
- 7.35 a.m.—Wool sales, breadfruit markets, interurban markets, produce markets.
- 7.45 a.m.—"Sydney Morning Herald" news service.
- 8 a.m.—"Big Ben" Studio music.
- 8.15 a.m.—Close down.

MORNING SESSION.

- 9.30 a.m.—Marching music for school children.
- 9.40 a.m.—Some popular records.
- 10 a.m.—"Big Ben" and announcements.
- 10.5 a.m.—Late "Sunday Morning Herald" news service.
- 10.15 a.m.—Studio music.
- 10.45 a.m.—Late sporting information by the 2FC Racing Commentator.



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DIRECT FACTORY REPRESENTATIVE

JOHN ARNOLD
DELGAVES BUILDING
DELGAVES STREET, MELBOURNE

11 a.m.—"Big Ben." Australian Press Association and Reuter's Cable Services.
11.10 a.m.—Studio music.
11.30 a.m.—Marching music for school children until 11.45 a.m.

MIDDAY SESSION.

11.35 a.m.—FROM THE SYDNEY CRICKET GROUND—Full broadcast description of the final match of the season—Australia versus the Rest of Australia, in connection with the G. Macartney Bennett Match.
12 noon—"Big Ben." Resume of scores every fifteen minutes.
12.5 pm.—From the Studio—Stock Exchanges, first call.
12.8 pm.—FROM THE SYDNEY CRICKET GROUND—Description of play and scores at intervals.

1 pm.—"Big Ben." Cricket results until the luncheon adjournment at 1.15 pm.
1.15 pm.—FROM THE STUDIO—Rugby wireless news.
1.25 pm.—Studio music.
1.25 pm.—Weather intelligence.
1.28 pm.—Stock Exchange, second call.
1.30 pm.—Marching music for school children.
1.35 pm.—"Evening News" midday news service, Producers' Distributing Society's Report.
1.45 pm.—Studio music.
1.50 pm.—FROM FARMER'S OAK HALL—Instrumental item by the Oak Hall Trio.
2 pm.—"Big Ben." Continuation of cricket descriptions and scores.

AFTERNOON SESSION.

2 pm.—FROM THE SYDNEY CRICKET GROUND—Further descriptions of the G. G. Macartney Bennett Match (Australia versus the Rest of Australia), interspersed with concert items as follows:
3.30 pm.—FROM FARMER'S TEA ROOMS—The Oak Hall Trio (Leader, Mr. Horace Knate).
3.40 pm.—Mr. Frank Boham, baritone—"Swing Tom de Bossen" (Russell).
3.45 pm.—The Oak Hall Trio.
3.49 pm.—Miss Eileen Moran, soprano—"I know a lovely garden" (D'Hardelt).
3.5 pm.—Instrumental item by the Oak Hall Trio.
4.25 pm.—Mr. Frank Boham, baritone—"Captain Mac" (Sanderson).
4.25 pm.—The Oak Hall Trio.
4.40 pm.—Miss Eileen Moran, soprano—"In an old fashioned town" (Smirze).
4.45 pm.—Stock Exchange, third call.
4.45 pm.—FROM THE SYDNEY CRICKET GROUND—Description of play until 5 pm.
5 pm.—Stumps drawn; scores.

EARLY EVENING SESSION.

6.5 pm.—The "Hullo Man" talks to the children.
8.30 pm.—A story for the older ones.
8.40 pm.—Dinner music.
7 pm.—Late sporting news.
7.10 pm.—Daiquey's market reports (wheat, wheat and stock).
7.18 pm.—Fruit and vegetable markets.
7.20 pm.—Weather and shipping intelligence.
7.25 pm.—Exchange information.
7.26 pm.—Late "Evening News" service.

NIGHT SESSION.

7.40 pm.—The Rev. John Elton, Superintendent of the Australia Island Mission. A talk on Island Flying—A Mantle of safety for Australian Flyers.
7.55 pm.—FROM HER MAJESTY'S THEATRE, SYDNEY. The Gai performance of "Rose Marie," which is the final performance of the Sydney season. This constitutes a record of a ten-months' unbroken run. Featuring Harriet Bennett and Federico Bentley.
8.15 pm.—MUSICAL NUMBERS.
Introduction.
Song—"Hard-boiled Herman," Herman and Chorus.
Song—"Rose Marie," Jim and Malone.
Song—"The Bourgeois," Malone and Chorus.
Song—"Lark Jean," Rose Marie and Chorus.
Duet—"Indian Love Call," Rose Marie and Jim.

Songs—"Pretty Things," Rose Marie and Chorus.
Ballet Recreant—Herman and Chorus.
Duet—"Why shouldn't we?" Lady Jane and Herman.
Song—"Totem Tom Tom," Wanda and Chorus.
Pinafe.

9.49 pm.—FROM THE STUDIO—Mr. Arthur Aldridge, tenor.
9.44 pm.—Mr. Lionel Lawson, violinist.
9.52 pm.—Mr. Arthur Aldridge, tenor.
9.55 pm.—FROM HER MAJESTY'S THEATRE, Sydney.—The second act of "Rose Marie."
Musical Numbers:
Opening chorus.
Trio—"Only a Kiss," Herman, Lady Jane and Malone.
Song—"Fataleto," Rose Marie, Jim, Hawley, Emily, Ethel and Wanda.
Empire March and Gavotte.
Song and Dance—"Minute of the Minute," Rose Marie and Herman.
Dance—"Wanda Walks," Wanda.
Bridal Procession.
Song—"Door of my Dreams," Rose Marie and Chorus.
Bridal Finale.
10.25 pm.—THE SPEECHES OF FAREWELL FROM THE THEATRE.
11 pm.—"Big Ben." From the Studio—Mr. Arthur Aldridge, tenor.
11.1 pm.—Mr. Lionel Lawson, violinist.

11.25 pm.—FROM THE WESTWORTH CAFE, SYDNEY.—The new Westworth Signaphonic Dance Orchestra, conducted by Mr. Sydney Simpson.
12 midnight—"Big Ben." National Anthem. Close down.

2BL, SYDNEY

EARLY MORNING SESSION.

7.15 a.m.—G.P.O. clock and chimes.
7.16 a.m.—Musical programme from Studio.
7.19 a.m.—Physical training and health exercises.
7.25 a.m.—Hints on health.
7.30 a.m.—Physical training and health exercises.
7.45 a.m.—G.P.O. clock and chimes.
7.48 a.m.—Weather report.
7.48 a.m.—Sporting information.
7.50 a.m.—Broadcaster's special news service.
8 a.m.—G.P.O. clock and chimes.
Close down.

MORNING SESSION.

10 a.m.—G.P.O. clock and chimes.
10.1 a.m.—Weather report.
10.3 a.m.—Musical programme from the Studio.
10.20 a.m.—News service from the "Daily Telegraph."
10.45 a.m.—Musical programme from the Studio.
11 a.m.—G.P.O. clock and chimes.
11.1 a.m.—News from the "Daily Telegraph."
11.15 a.m.—Fruit market report.
11.17 a.m.—Fruit market report.
11.19 a.m.—Vegetable market report.
11.21 a.m.—Fish market report.
11.23 a.m.—London dairy, farm, egg, and poultry market report.
11.25 a.m.—Ships to call by wireless.
11.30 a.m.—Information re interstate and overseas mails.
11.32 a.m.—Shipping information—arrivals and departures.
11.35 a.m.—WOMEN'S SESSION.
Talk on "Crescent" by Miss Gwen Varley.
Broadcaster's women's sports authority.
11.45 a.m.—Social notes by Mrs. Jordan.
11.55 a.m.—Mrs. Jordan replies to correspondents.
12.5 pm.—Talk by Mrs. Jordan on "A Chinese"
12.50 pm.—G.P.O. clock and chimes.
12.51 pm.—Sydney Stock Exchange calls.
12.53 pm.—"Sun" Newspapers news service.

12.45 p.m.—Holler's instrumental quartet—Direction, Caryl Castling.
1.30 pm.—G.P.O. clock and chimes.
1.31 pm.—Weather report and forecast.
1.33 pm.—Sydney Stock Exchange call.
1.34 pm.—News from the "Sun."
1.45 pm.—Musical programme from the Studio.
2 pm.—G.P.O. clock and chimes.
Close down.

AFTERNOON SESSION.

Racing information broadcast by courtesy of the "Sun."
3 pm.—G.P.O. clock and chimes.
3.1 pm.—Weather report.
3.3 pm.—Social notes from the "Sun."
3.5 pm.—News from the "Sun."
3.55 pm.—Musical programme from the Studio.
3.59 pm.—News from the "Sun."
4.05 pm.—Musical programme from the Studio.
4.1 pm.—G.P.O. clock and chimes.
4.1 pm.—News from the "Sun."
4.5 pm.—Musical programme from the Studio.
4.55 pm.—Social Story.
4.58 pm.—G.P.O. clock and chimes.
4.58 pm.—News from the "Sun."
4.58 pm.—Musical programme from the Studio.
4.58 pm.—Producers' Distributing Society's vegetable and fruit market report.
4.58 pm.—Shipping information when available.
4.58 pm.—Day's racing resume on race days.
4.58 pm.—News from the "Sun."
4.58 pm.—Resume of night's programme.
5 pm.—G.P.O. clock and chimes.
Close down.

EARLY EVENING SESSION.

6.45 pm.—G.P.O. clock and chimes.
6.46 pm.—Uncle George entertains the kiddies.
6.49 pm.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

7 pm.—G.P.O. clock and chimes.
Australian Mercantile, Land and Finance Co's report. Weather report. Producers' Distributing Society's fruit and vegetable market report. Stock Exchange reports. Grain and fodder report ("Bus"). Dairy produce report ("Sun"). Primary Producers' newspaper report on London butter market.
7.15 pm.—Country news from the "Rap."
7.49 pm.—Talk on "The Tour of the Banana" by Mr. J. Holmes.

EVENING SESSION.

8 pm.—G.P.O. clock and chimes.
Broadcaster's Topical Chorus.
8.3 pm.—Newtown Band Broadcast from Industrial Hall, Newtown.
8.33 pm.—Miss Marjorie Skill, soprano.
8.35 pm.—Miss Eily Dalgleish, contralto.
8.37 pm.—Mr. Herman Tromayne, bass.
8.44 pm.—Mr. Bobby Watson, comedian.
8.51 pm.—Mr. Leslie Herford, baritone.
8.58 pm.—Resume of following day's programme.
Weather report and forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.
9 pm.—G.P.O. clock and chimes.
Mr. Douglas Graham, Scotch comedian.
9.10 pm.—Newtown Band.
9.30 pm.—Miss Marjorie Skill.
9.37 pm.—Miss Eily Dalgleish.
9.44 pm.—Mr. Herman Tromayne.
9.51 pm.—Mr. Bobby Watson.
9.58 pm.—Mr. Leslie Herford.
10.5 pm.—Mr. Douglas Graham.
10.12 pm.—The Ambassador's Dance Band broadcast from the ballroom of the Ambassadors. During the intervals between dances news reports by courtesy of the "Sun" will be broadcast.
12 midnight.—G.P.O. clock and chimes.
National Anthem.



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SYDNEY

2KY, SYDNEY

LUNCHEON HOUR SESSION.

- 12.15-1.00—Tune in to the linking of the Clock.
- 12.45 p.m.—Popular fox trots, "Orpheus" Gramophone.
- 12.55 p.m.—Musical interlude.
- 1.00 a.m.—News Items.
- 1.05 p.m.—Vocal Items.
- 1.14 p.m.—Danzon Street Guitar Selections.
- 1.25 p.m.—Danzon news and meetings.
- 1.30 p.m.—Linton Records.
- 1.40 p.m.—Where to go tonight.
- 1.55 p.m.—Closing Announcements.

CHILDREN'S HOUR

- 6.30 p.m.—The Successor, MR THOMSON, EVENING SESSION.
- 7.30 p.m.—Tune in to the linking of the Clock.
- 7.55 p.m.—Latest news items.
- 8.00 p.m.—Industrial and political topics, MR J. S. GARDEN.
- 8.25 p.m.—Simplifying by.
- 8.3 p.m.—Marian Soprano solo, MISS NELLIE GRAVES.
- 8.39 p.m.—Monologue, MISS AMY RUWALD.
- 8.50 p.m.—Musical, celebratory Gleaners' Dance Orchestra, Billy Bonnette, Leader. (By kind permission of BBO, TRADING.)
- 9.35 p.m.—Contralto solo, MISS AMY RUWALD.
- 9.50 p.m.—Bass solo, MR. GARDNER.
- 9.52 p.m.—Soprano solo, MISS MITCHELL.
- 9.59 p.m.—Baritone, MR. R. WEBSTER.
- 10.00 p.m.—Musical interlude from the Gleaners' MAE'S MERRY MAKERS, W. A. Mc MULLEN, Leader.
- 10 p.m.—Closing announcements.

2GB, SYDNEY

MORNING SESSION.

CHEROKEE HOUR CONDUCTED BY MR. J. K. POWELL.

- 9.30 a.m.—Music.
- 9.35 a.m.—Cherrie Talk.
- 9.50 a.m.—Songs.
- 10.5 a.m.—Health Talk.
- 10.10 a.m.—Children.
- 10.30 a.m.—Close down.

AFTERNOON SESSION.

- 2.30 p.m.—Music.
- 2.5 p.m.—News from Fairy-voice for Women.
- 2.48 p.m.—Humoristic Movements in Series.
- 3.55 p.m.—Music.
- 4.20 p.m.—Music.
- 4.50 p.m.—Close down.

EVENING SESSION.

- 6.55 p.m.—Children's Session conducted by the CHEROKEE MAN.
- 7.15 p.m.—Cherrie Talk to Mrs.
- 7.35 p.m.—Music from Studio.
- 7.55 p.m.—Talk on Paralytic by MR J. K. POWELL.
- 8.00 p.m.—Announcements.
- 8.15 p.m.—Instrumental Trio: Dan Beally, Jack Post and Ada Brook.
- 8.30 p.m.—Address by PROF. ERNEST WOOD.
- 8.45 p.m.—Songs by MISS EVA CROFT.
- 9.00 p.m.—Dance solo by ADA BROOK.
- 9.15 p.m.—Instrumental Quartette: Dan Beally, Monica Horder, Jack Post and Ada Brook.
- 9.40 p.m.—Announcements.
- 9.50 p.m.—MR. FRANK LOCK, "The Daily and danger of foreign borrowing."
- 9.55 p.m.—A Half-Hour with the Cleverest Joking Quartette (solo): Selections from Light Opera.
- 10.45 p.m.—Violin solo by MONICA HORDER.
- 10.55 p.m.—"Cherrie Talk."
- 10.58 p.m.—Great Thoughts from Great Minds."

3LO, MELBOURNE

MIDDAY SESSION.

- DREW and ROMAINE.
- MILES HASTINGS, Aborigine.
- MAGGIE FOSTER, violin.
- PRESSY PRESTON, comedian.
- WILL HILL, humorist.
- WALTER SMITH, organ.
- THE STUDIO ORCHESTRA.
- Accompanist: ALFRED ANDREW.
- Accompanist: AGNES FORTUNE.
- "VARIOUS THINGS."

10.00 a.m.—Time Signal. Daily official Wireless news from Rugby, Reuter's and the Australian Press Association Tables, "Argus" and "Herald" news serial.

12.15 p.m.—Stock Exchange Information.

12.30 p.m.—DREW and ROMAINE, two boys and a Piano.

12.40 a.m.—"The Party Last Night."

12.50 p.m.—STUDIO ORCHESTRA.

"Whimsical Song and Suite Church" (Wagner).

1.00 p.m.—Flying Dutchman.

12.10 a.m.—MILES HASTINGS, Aborigine.

"Jimmy Bums."

"Devil Max Carr."

12.50 p.m.—MAGGIE FOSTER, violin.

"Still in the Night."

"Sings" "Comedian, Young the Gals."

1.00 p.m.—PRESSY PRESTON, comedian.

"Mary."

"Don't you Mind it Boyes."

1.10 p.m.—STUDIO ORCHESTRA.

Overture, "Merry Wives of Windsor" (Mozart).

1.17 p.m.—Meteorological Information. Shipping Intelligence. Weather forecast for Victoria, Tasmania, South Australia, and New South Wales—Ocean forecast. River reports.

1.27 p.m.—WILL HILL, humorist.

"Don't look at me."

"As a friend."

1.34 a.m.—WALTER SMITH, organ.

"Through Terra's Hall" (Bachmann).

1.41 p.m.—PRESSY PRESTON, Comedian.

"You'll get bugs w'akin'."

"Let it be."

1.50 p.m.—STUDIO ORCHESTRA.

"The Daughter of the Regiment" (Donizetti).

2 p.m.—Close down.

EVENING SESSION.

6.55 p.m.—"Argus" and "Herald" news services. Weather and Aerial Mail Information by the Australian Aerial Services, Ltd.

6.58 p.m.—Stock Exchange Information. Overseas shipping.

6.58 p.m.—Flesh market reports by J. R. Barrett, Ltd.

6.58 p.m.—River reports.

6.54 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd. Hay-market sheep sales, Poultry, Grain, Hay, Cattle, Stock, Lute, Dairy Producers, Potatoes and Onions.

7.6 p.m.—Market prices of Oranges and Lemons by the Victorian Central Citrus Association, Pty. Ltd. Fruit market reports by the Victorian Wholesale Fruitgrowers' Association, compiled by the Fruit World, exclusive to 3LO.

NIGHT SESSION.

COMMISSIONER W. D. KENNEDY, Speakers.

MR. E. H. SAVAGE
MR. SNOWBALL, M.L.A.
NEWPORT WORKSHOPS BAND
WILL HILL, humorist.
MAGGIE FOSTER, violin.
HUXHAM'S SERENADERS.
JONES AND RAINE, The Welsh Rascht.
OSBORNE and PERRYER.
CLAUDE HALL, baritone.
REG. WYKHAM and PRESSY PRESTON.
JOE ARONSON and HIS SYNCOPIATING SYMPHONISTS.
Accompanist: AGNES FORTUNE
Announcer: MAURICE DUDLEY
7.15 p.m.—Under the auspices of the Boy Scouts Association, COMMISSIONER W. D. KENNEDY will speak on "The Educational Value of Scouting."

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

7.40 p.m.—Under the auspices of the Department of Agriculture, MR. G. E. MARKS, Tobacco Curing Expert:

"Tobacco Curing."
"VIGNETTES FROM VAUDEVILLE."

7.50 p.m.—Opening of the BRUNTON RADIO EXHIBITION, by MR. SNOWBALL, M.L.A., from HLD Studio.

8.15 p.m.—NEWPORT WORKSHOPS BAND: Spanish March "El Abasco" (Javaliers). "Carnet solo: "The Rosary" (Kerby).

8.25 p.m.—WILL HILL, humorist: "A little Fun to do."

"The Editor's Chat."

8.35 p.m.—MAGGIE FOSTER, violin: "Moodily in F"
"Amalanto."

8.40 p.m.—HUXHAM'S SERENADERS:

Quartet: "The Silver Congo."
EDITH HUXHAM, DOLLY BURDETT,
BENNY MILLER, HUGH HUXHAM.
Dance solo "The Open Road."

BENNY MILLER.

THE STUDIO ORCHESTRA:

"Vereciti Minuetto" (Spagnoli),
Song by THE SERENADER QUARTET

"Adorable" (Wynburn).

Choir: "Over the Garden Wall."
HUGH and EDITH HUXHAM.

THE STUDIO ORCHESTRA:

"Intermezzo Francese."
Operatic Quartet: Selections from "Faust" (Gounod).

THE SERENADER QUARTET.

9.5 p.m.—MAGGIE FOSTER, violin:

"Serenade."
"Cradle Song" (Schumann).

9.10 p.m.—JONES AND RAINE, The Welsh Rascht.

Songs: "Wireless Mad."
"The Sun will soon be Shining."
"Human Diabol," "Melody of Overtures."

9.20 p.m.—NEWPORT WORKSHOPS BAND:

Valzer: "The Double" (Strauss).

9.25 p.m.—OSBORNE and PERRYER:
In Comicalities.

9.35 p.m.—NEWPORT WORKSHOPS BAND:

Morri Dance, "Poi Poi" (Home).

9.41 p.m.—CLAUDE HALL, baritone:

"Eyes that used to gaze" (Lark).
"Eyes of Blue" (Spicals).

9.48 a.m.—REG WYKHAM AND PRESSY PRESTON:

"A Sketch: "Jealousy."

10 p.m.—JOE ARONSON AND HIS SYNCOPIATING SYMPHONISTS:

"Dreaming of Castles in the Air."
"To-night's my Night with Baby."
"Angry."

10.10 p.m.—Delish Official Wireless news from Rugby, Announcer.

10.20 p.m.—WILL HILL, humorist:

"Song without a Name."
"Alice, Where are she."

10.27 p.m.—NEWPORT WORKSHOPS BAND,
Humorous Fantasia: "Musical Swotch" (Alford).

10.31 p.m.—CLAUDE HALL, baritone:

"Dearie" (Home).
"Gray Days" (J. Hardelst).

10.44 p.m.—JOE ARONSON AND HIS SYNCOPIATING SYMPHONISTS:

Waltz: "I Wish I Had My Old Gal Back Again."
"Rain Colored Glasses."

(9.34 p.m.—"Argus" news service. Weather forecast.)

11 p.m.—OUR GREAT THOUGHT:
"Books are the legacies that a great genius leaves to mankind."—Addison.

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

"Calling Me Home."
"Back where the Daffodils Grow."
"My Girl has Eye Trouble."
Waltz: "Teatlight."
"The Village Blacksmith owns the Village Now."

"Am I Wasting my Time on You."
"Just a Bird's Eye View."
"Beside a Garden Wall."

11.40 p.m.—GOD SAVE THE KING.

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N.S.10. R.R.

4QG, BRISBANE

MIDDAY SESSION.

- 1 p.m.—Market reports, weather information supplied by the Commonwealth Weather Bureau, news articles supplied by "The Daily Mail" and "The Daily Standard."
- 1.20 p.m.—From the Hotel Carlton: Lunch music from the Lounge, Hotel Carlton, played by the Hotel Carlton Symphony Orchestra.
- 1.28 p.m.—From the Observatory: Standard time signal.
- 2 p.m.—Close down.

AFTERNOON SESSION.

- 2.50 p.m.—From the White House: A musical programme organised by Messrs. Olsen and Goodchap, and relayed from their furniture warehouse, "The White House, Woodstock-gabba."
- 4.10 p.m.—From the Studio: News service supplied by "The Telegraph."
- 4.30 p.m.—Close down.

EARLY EVENING SESSION.

- 6 p.m.—News service supplied by the "Daily Standard."
- 6.20 p.m.—Bedtime stories by "The Sandman."
- 7 p.m.—Market reports, stock reports, Lecturette—"Commerce of the Pig," No. 3 of a series, "By Products"—by Mr. E. J. Shelton (Instructor in The Rating).
- 7.30 p.m.—Announcements. Weather news.
- 7.45 p.m.—Standard time signal.

NIGHT SESSION.

- 7.45 p.m.—Lecture Session: The Children's Music Corner (conducted by "The Music Man").
- OLSEN AND GOODCHAP'S CONCERT. The first portion of tonight's programme will comprise a concert organised by Mrs. W. J. Hooker and relayed from Olsen and Goodchap's Furniture Emporium—"The White House."
- 8 p.m.—From "The White House"—Pianoforte solo, "La Folia de la Reine" (Joachim Raff), Mrs. Viv. Thomas; soprano solo, "April Morn'" (Bolt, Brittan), Miss Jill Manners; baritone solo, "Invectiva" (Bruno Hubni), Mr. H. Callick; monologue, "The Old Warrior" (Charles J. Winter), Mr. Rob. Crosby; dance, selected, Mrs. W. J. Hooker and Mr. H. Callick; soprano solo, "I Love My Love" (Comminas), Miss Jill Manners; pianoforte solo, "Pompes Valsants" (Ed. Poldini), Mrs. Viv. Thomas; contralto solo, "Summer Night" (Thomas), Mrs. W. J. Hooker; recitation, "Peter Sullivan's Wallaby Drive," Mr. Rob. Crosby; baritone solo, "The Admirals' Brown" (Bovans), Mr. H. Callick, Mrs. Viv. Thomas, accompanists.
- 9 p.m.—From the studio: Metropolitan weather forecast.

STUDIO CONCERT.

- Contralto solo, "Just for a while" (Geiger), Miss Winifred Anderson; bass solo, "World That Once Was a Garden" (Lohr), Mr. A. N. Falk; organ solo, selected, Mr. Arthur Charnock; soprano solo, "Indiana Love Call" (Friml), Mrs. R. G. Allen; "The Sandman" and his acrobats; soprano solos—(a) "Sing Merrily To-day" (Phillips), (b) "The Best Time of the Year" (Webster), Miss Dulcie Bellington; mouth organ solo by "The Sandman"; baritone solo, "Twas a Land" (Chaminade), Mr. A. N. Falk.
- 10 p.m.—"The Daily Mail" news. Weather news. Close down.

5CL, ADELAIDE

MORNING SESSION.

- 11.30 a.m.—G.P.O. chimes.
- 11.31 a.m.—Stock Duo Art number.
- 11.40 a.m.—"Advertiser's" news service.
- 11.55 p.m.—Vocalion number.
- 12 noon.—G.P.O. chimes.
- 12.1 p.m.—"Advertiser's" news service.
- 12.15 p.m.—Solo Big Art number.
- 12.20 p.m.—Stock Exchange reports, official weather synopsis and station announcements.
- 12.30 p.m.—G.P.O. chimes.

- 12.31 p.m.—Studio Orchestra—Overture, "Magic Flute", waltz, "You forgot to remember"; fox trot, "To-night's my night with baby"; "La chun dia Boulevard"; cornet solo, "Memories sweet"; selection, "The pink lady"; reverie, "At evenside"; "The dancer of Navarra"; finale, "Sounds from the sunny south."
- 2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

- 3 p.m.—G.P.O. chimes.
- 3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral numbers.
- 3.45 p.m.—From the Studio—Stock Duo Art and Vocalion numbers.
- 4 p.m.—G.P.O. chimes.
- 4.1 p.m.—Relay from the Arcadia Cafe—Orchestral numbers.
- 4.55 p.m.—Stock Exchange reports, general information and station announcements.
- 6 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

- 6.30 p.m.—G.P.O. chimes.
- 6.51 p.m.—Stock Duo Art number.
- 6.55 p.m.—Bedtime stories.
- 7.30 p.m.—Market reports.
- 7.40 p.m.—Motor talk by Mr. Fredrickson.
- 8 p.m.—G.P.O. chimes.
- 8.1 p.m.—Solo, Mr. L. J. Lafsky.
- 8.3 p.m.—Solo, Miss Thelma Balla.
- 8.5 p.m.—Solo, Mr. E. Lawrence.
- 9.15 p.m.—Solo, Mrs. J. L. Davey.
- 8.17 p.m.—Pianoforte solo, Mrs. M. Meegan.
- 8.20 p.m.—"Twinkler's" Days' Club.
- 8.49 p.m.—Relay from the Floating Palace.
- 9 p.m.—G.P.O. chimes.
- 9.1 p.m.—Weather report.
- 9.2 p.m.—Galaxy's wheat report.
- 9.3 p.m.—Solo, Mr. L. J. Lafsky.
- 9.7 p.m.—Solo, Miss T. Balla.
- 9.11 p.m.—Pianoforte solo, Miss M. Meegan.
- 9.15 p.m.—Solo, Mr. E. Lawrence.
- 9.19 p.m.—Relay from the Floating Palace.
- 9.50 p.m.—Physical Culture talk by Mr. Noel Hubble.
- 9.45 p.m.—Solo, Mr. L. J. Lafsky.
- 9.49 p.m.—Solo, Miss T. Balla.
- 9.53 p.m.—Solo, Mr. E. Lawrence.
- 9.56 p.m.—Solo, Mrs. J. L. Davey.
- 10 p.m.—G.P.O. chimes.
- 10.1 p.m.—"Advertiser's" news service.
- 10.17 p.m.—Relay from the Floating Palace.
- 11 p.m.—G.P.O. chimes and close down.

6WF, PERTH

- 12.30 a.m.—Tune in.
- 12.35 p.m.—First local news bulletin.
- Market reports.
- 1 p.m.—Time signal from the Perth Observatory.
- 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 1.2 p.m.—STUDIO QUINTETEE.
- 1.3 p.m.—Close down.
- 1.35 p.m.—Tune in.
- 1.40 p.m.—Musical programme.
- 4 p.m.—STUDIO TRIO.
- 4.20 p.m.—Close down.
- 1 p.m.—Tune in.
- 7.5 p.m.—Stories for the Kiddies by Uncle Henry and Daffy.
- 7.55 p.m.—Stock and share intelligence.
- Market reports.
- Callies. News supplied by courtesy of "The West Australian" Newspaper Co.
- 8 p.m.—Time signal from the Perth Observatory.
- 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 8.1 p.m.—Bee Keeping talk by Mr. C. Walshaw, under auspices of the Bee Keepers' Association.
- 8.18 p.m.—PAND NIGHT. (Concert by the R.S.L. Band, Conductor, Mr. Geo. S. Moller, Master, "The British Legion" (Greenwood), Valse, "Gold and Silver" (Lohrer).

- Fox Trot, "On the Riviera" (Loans Rich), Selection, "Arlette" (Novello).
- Popular, "June Brought the Roses" (Openshaw).
- Selection, "Copella" (Dellies).
- Fox Trot, "Pearly" (Connelly).
- Waltz, "The Pink Lady" (Gray).
- March, "Dominion of Canada" (Hill).
- 5.40 p.m.—Health talk by Mr. H. S. Hutton, of the Hutton School of Physical Culture.
- 10 p.m.—Second local news bulletin supplied by the courtesy of "The Daily News" Newspaper Co.
- 10.30 p.m.—Close down.

Tues, February 22 2FC, SYDNEY

EARLY MORNING SESSIONS.

- 7 a.m.—"Big Ben" and announcements.
- 7.2 a.m.—Studio music.
- 7.3 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail service, commercial news.
- 7.5 a.m.—Investment market, mining share market, metal quotations.
- 7.35 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.
- 7.45 a.m.—"Sydney Moring Herald" news service.
- 8 a.m.—"Big Ben," Studio music.
- 8.15 a.m.—Close down.

MORNING SESSION.

- 8.30 a.m.—Marching music for school children.
- 8.45 a.m.—Popular records.
- 8.45 a.m.—Last minute sporting information by the 2FC Racing Commissioner.
- 10 a.m.—"Big Ben" and announcements.
- 10.15 a.m.—Late "Sydney Morning Herald" news service.
- 10.25 a.m.—Studio music.
- 10.45 a.m.—A morning reading.
- 11 a.m.—"Big Ben," Australian Press Association and Reuter's Cable Services.
- 11.10 a.m.—Studio music.
- 11.35 a.m.—A talk on some cooking and recipes by Miss Ruth Forest.
- 11.50 a.m.—Marching music for school children, until 11.55 a.m.

MIDDAY SESSION.

- 11.55 a.m.—FROM THE SYDNEY CRICKET GROUND—Full broadcast description of the final match of the season—Australia versus the Rest of Australia, in connection with the C. G. Macartney Benefit Match.
- 12 noon—"Big Ben." Resume of scores every fifteen minutes.
- 12.5 p.m.—FROM THE STUDIO—Stock Exchange first call.
- 12.8 p.m.—FROM THE SYDNEY CRICKET GROUND—Further scores.
- 1 p.m.—"Big Ben" and cricket results until the luncheon adjournment at 1.15 p.m.
- 1.15 p.m.—FROM THE STUDIO—Lusty wireless news.
- 1.20 p.m.—Miss Ellen Robinson, soprano—"A heap of rose leaves" (Waltley).
- 1.25 p.m.—Weather intelligence.
- 1.28 p.m.—Stock Exchange, second call.
- 1.30 p.m.—Marching music for school children.
- 1.35 p.m.—"Evening News" midday news service. Practitioners' Distributing Society's Report.
- 1.40 p.m.—Miss Ellen Robinson, soprano—"Open the blue eyes" (Massenet).
- 1.50 p.m.—FROM FARMER'S OAK HALL—Instrumental item by the Oak Hall Trio.
- 2 p.m.—"Big Ben," Continuation of cricket descriptions.

AFTERNOON SESSION.

- 2 p.m.—FROM THE SYDNEY CRICKET GROUND—Further descriptions of the C. G. Macartney Benefit Match (Australia versus the Rest of Australia), interspersed with musical items as follows:—
- 2.30 p.m.—The Oak Hall Trio, instrumental item (Leader, Mr. Horace Keats).

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2BL, SYDNEY

EARLY MORNING SESSION.

- 3.40 p.m.—FROM FARMER'S TEA ROOMS—Miss Florence Grant, soprano, "The Wren."
- 3.45 p.m.—The Oak Hall Trio.
- 4 p.m.—Miss Victorine Walker, contralto—"Dreams of the Dusk" (D'Hardelet).
- 4.05 p.m.—The Oak Hall Trio.
- 4.30 p.m.—Miss Florence Grant, soprano—"To welcome you" (Mead).
- 4.25 p.m.—The Oak Hall Trio.
- 4.40 p.m.—Miss Victorine Walker, contralto—"Reading" (Clarke).
- 4.45 p.m.—Stock Exchange, third call.
- 4.45 p.m.—Cricket descriptions until 4 p.m.
- 6 p.m.—Stumps drawn; scores.

EARLY EVENING SESSION.

- 6.5 p.m.—The "Hello Man" Talks to the children.
- 6.30 p.m.—"Imito" entertains the young folk with bird and animal imitations.
- 6.40 p.m.—Dinner Music.
- 7 p.m.—Sporting news.
- 7.10 p.m.—Dalgely's market reports (wool, wheat and stock).
- 7.15 p.m.—Fruit and vegetable markets.
- 7.20 p.m.—Weather and shipping intelligence. Stock Exchange information.
- 7.25 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.40 p.m.—Announcements.
- 7.45 p.m.—A short talk by Mr. Arthur Russell, Secretary of the North Shore Hospital.
- 8 p.m.—"Big Ben." FROM THE HAYMARKET THEATRE, SYDNEY—Items by the Orchestra, conducted by Mr. Stanley Porter.
- 8.15 p.m.—FROM THE STUDIO—The Four Waifs—Vocal Quartette: (a) Opening Chorus, (b) "The Forward."
- 8.20 p.m.—FROM THE DARLINGTON TOWN HALL—Items by the Metropolitan Band, conducted by Mr. John Palmer: (a) March—"Sweetest Canary" (Hummel), (b) Waltz—"Les fleurs d'Australia" (Laski).
- 8.35 p.m.—FROM THE STUDIO—Miss Millicent Angles, soprano—"Ave Marie" (Truman).
- 8.38 p.m.—The Four Waifs—Vocal Quartette: (a) "In our little canoe," (b) "Scots wha hae."
- 8.45 p.m.—Miss Kitty Elliott, songs at the piano.
- 8.50 p.m.—"Imito" (Corporal Phillips) in bird and animal imitations.
- 8.56 p.m.—FROM THE DARLINGTON TOWN HALL—The Metropolitan Band, Selection—"John O'Gunn" (Rimmer).
- 9 p.m.—FROM THE HAYMARKET THEATRE, George Street, Sydney—Vocal Act.
- 9.20 p.m.—FROM THE STUDIO—The Four Waifs, Vocal Quartette: (a) "Dublin Dances," (b) "Reception Medley."
- 9.27 p.m.—FROM THE DARLINGTON TOWN HALL—The Metropolitan Band, Song Hits: (a) "Where'd you get those eyes" (Donaldson), (b) "Suez" (Rose).
- 9.37 p.m.—FROM THE STUDIO—Miss Millicent Angles, soprano.
- 9.44 p.m.—FROM THE DARLINGTON TOWN HALL—The Metropolitan Band: (a) Selection—"B.M.S. Pinafore" (Sullivan), (b) March—"B.B. and C.E." (Home).
- 9.55 p.m.—FROM THE STUDIO—Miss Kitty Elliott, Comedienne.
- 10.2 p.m.—The Four Waifs, vocal quartette: "Don't ye cry, my honey."
- 10.6 p.m.—Miss Millicent Angles, soprano.
- 10.10 p.m.—Miss Kitty Elliott, Comedienne.
- 10.16 p.m.—FROM THE HAYMARKET THEATRE—Orchestral items.
- 10.30 p.m.—FROM THE STUDIO—The 2FC Studio Dances Band (conductor, Mr. Eric Parrell) and the popular baritone, Mr. Len Matrices.
- 10.37 p.m.—Miss Kitty Elliott, Comedienne.
- 10.42 p.m.—Mr. Harry Randall, trombone solo.
- 10.47 p.m.—The 2FC Dance Band, assisted by Mr. Len Matrices, popular baritone.
- 11 a.m.—"Big Ben" and announcements.
- 11.5 p.m.—Mr. Harry Randall, trombone solo.
- 11.10 p.m.—The 2FC Dance Band will play until midnight.
- 12 midnight—"Big Ben." National Anthem.

- 7 a.m.—G.P.O. clock and chimes.
- 7.16 a.m.—Musical programme from the Studio.
- 7.19 a.m.—Physical training and health exercises.
- 7.25 a.m.—Hints on health.
- 7.30 a.m.—Physical training and health exercises.
- 7.45 a.m.—G.P.O. clock and chimes.
- 7.46 a.m.—Weather report.
- 7.48 a.m.—Sporting information.
- 7.50 a.m.—Broadcaster's special news service.
- 8 a.m.—G.P.O. clock and chimes. Close down.

MORNING SESSION.

- 10 a.m.—G.P.O. clock and chimes.
- 10.1 a.m.—Weather report and forecast.
- 10.3 a.m.—Musical programme from the Studio.
- 10.20 a.m.—News from the "Daily Telegraph."
- 10.30 a.m.—Musical programme from the Studio.
- 10.45 a.m.—G.P.O. clock and chimes.
- 11 a.m.—News from the "Daily Telegraph."
- 11.15 a.m.—Rabbit market report.
- 11.17 a.m.—Fish market report.
- 11.18 a.m.—Vegetable market report.
- 11.21 a.m.—Fruit market report.
- 11.25 a.m.—Lancet's London dairy, farm, egg, and poultry market.
- 11.25 a.m.—London metal quotations.
- 11.30 a.m.—Ships in call by wireless.
- 11.31 a.m.—Information re inter-State and overseas mails.
- 11.35 a.m.—Shipping information—arrivals and departures.
- 11.36 a.m.—WOMEN'S SESSION. Talk on "Swimming" by Miss Gwen Varley, Broadcaster's women's sports editor.
- 11.45 a.m.—Social notes by Mrs. Jordan.
- 11.50 a.m.—Mrs. Jordan replies to correspondents.
- 12.5 p.m.—Talk on "Deleisure" by Mrs. Jordan.
- 12.50 p.m.—G.P.O. clock and chimes.
- 12.51 p.m.—Sydney Stock Exchange calls.
- 12.53 p.m.—"Sun" Newspapers' news service.
- 12.45 p.m.—Miller's instrumental quartet—Director, Caryl Castling.
- 1.20 p.m.—G.P.O. Clock and chimes.
- 1.31 p.m.—Weather reports and forecast.
- 1.33 p.m.—Sydney Stock Exchange calls.
- 1.56 p.m.—News from the "Sun."
- 1.46 p.m.—Musical programme from the Studio.
- 2 p.m.—G.P.O. clock and chimes. Close down.

AFTERNOON SESSION.

- Racing information broadcast by courtesy of the "Sun."
- 3 p.m.—G.P.O. clock and chimes.
- 3.1 p.m.—Weather report.
- 3.4 p.m.—Social notes from the "Sun."
- 3.12 p.m.—News from the "Sun."
- 3.15 p.m.—Civil Service Stores Trio—Director, Miss de Courcy Bremer.
- 3.20 p.m.—News from the "Sun."
- 3.46 p.m.—Musical programme from the Studio.
- 4 p.m.—G.P.O. clock and chimes.
- 4.1 p.m.—Civil Service Stores Trio.
- 4.13 p.m.—Serial story.
- 4.00 p.m.—Musical programme from the Studio.
- 4.45 p.m.—Producers' Distributing Society's vegetable and fruit market report.
- 4.50 p.m.—Shipping information when available.
- 4.55 p.m.—Day's racing resume on races.
- 4.52 p.m.—News from the "Sun."
- 4.58 p.m.—Resume of night's programme.
- 5 p.m.—G.P.O. clock and chimes. Close down.

- EARLY EVENING SESSION.
- 5.15 p.m.—G.P.O. clock and chimes.
- 5.18 p.m.—Uncle George and the Kiddies.
- 5.40 p.m.—Musical programme from the Studio.

SPECIAL COUNTY SESSION.

- 5 p.m.—G.P.O. clock and chimes.
- Australian Mornville, Land and Finance Co's Report, Weather report and forecast. Stock Exchange reports, Producers' Distributing Society's Fruit and vegetable market report, Dairy produce report ("Sun"), Cereals and fodder report ("Sun").
- 7.15 p.m.—Country news from the "Sun."
- 7.30 p.m.—Talk on "The Motor Car" by Mr. Martin.
- 7.45 p.m.—Talk on "The Care of the Eyes" by Mr. Patterson.
- 8 p.m.—An Australian programme in which the following artists will take part: Misses Millicent Angles, Maizie Barnett, Esther Kahn (soprano), Nellie Webberell (soprano), G. La Robertson (soprano), Dulcie Biese (contralto), Messrs. Lance Jeffrey (tenor), Charles Scroggins (baritone), Brian Quarter and Broadcaster's Trio.
- 10.15 p.m.—The Ambassadors' Dance Band broadcast from the ballroom of the Ambassadors. During the intervals between dances news reports by courtesy of the "Sun" will be broadcast.
- 11 midnight—G.P.O. clock and chimes. National Anthem.

2KY, SYDNEY

LUNCHEON HOUR SESSION.

- 12.15 p.m.—Toss in to the ticking of the Clock.
- 12.15 p.m.—Popular fox trots "Urbrows" Geminophones.
- 12.25 p.m.—Piano-forte solos.
- 12.30 p.m.—Songs item.
- 1.15 p.m.—Vocal.
- 1.15 p.m.—Hawaiian Steel Guitar Selections.
- 1.25 p.m.—Dance news and meetings.
- 1.30 p.m.—Musical and vocal items.
- 1.45 p.m.—Close down.
- CHILDREN'S HOUR.
- 6.30 p.m.—The Storyman Mr. Thompson, EVENING SESSION.
- 7.30 p.m.—Toss in to the ticking of the Clock.
- 7.35 p.m.—Latest news items.
- 7.45 p.m.—Industrial Notes of the Week by Mr. J. S. Ryan (Director Labor Research and Information Bureau).
- 8 p.m.—Piano-forte solos, Mr. Mary Dean.
- 8.10 p.m.—Harp solo, Mr. B. Webster.
- 8.14 p.m.—Trump solo, Mr. Alf Shaw.
- 8.25 p.m.—Mesa-soprano solos: Miss Helen Cameron.
- 8.35 p.m.—Musical interlude, Glazieriana Dance Orchestra, ERIC ROMANIE, leader (by kind permission of Gen. Lutze).
- 8 p.m.—Dance solo, Mr. Murrell.
- 8.10 p.m.—Soprano solo, Miss Frances Wright.
- 8.15 p.m.—Classical Dance Orchestra.
- 8.20 p.m.—Dance Talk.
- 8.40 p.m.—Recital of latest release of Lithium Records.
- 9 p.m.—Closing announcements.

2GB, SYDNEY

MORNING SESSION.

- CHEERIO HOUR, Conducted by Mr. J. W. POWELL.
- 8.40 a.m.—Music.
- 8.55 a.m.—"Cheerio" Talk.
- 9.00 a.m.—Songs.
- 9.5 a.m.—Health Talk.
- 10.15 a.m.—Music.
- 10.20 a.m.—Children.
- 10.30 a.m.—Close down.
- AFTERNOON SESSION.
- 3.30 p.m.—Music.
- 3.40 p.m.—Lithiumium Movements in Series.
- 4.25 p.m.—Music.
- 4.35 p.m.—News from everywhere for Women.
- 4.50 p.m.—Music.
- 4.50 p.m.—Close down.



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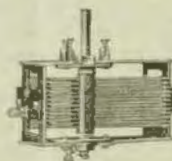
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3LO, MELBOURNE

MIDDAY SESSION.

DREW AND ROMAINE.
 HUXHAM'S SERENADERS.
 BETTY BEVAN, soprano;
 JONES AND RAINE, the Welsh Barbers.
 THE STUDIO ORCHESTRA.
 Accompanist AGNES FORTUNE
 Announcer ALFRED ANDREW
 "NEWS AND MOSE."
 12 noon.—Time Signal. British Official Wireless News from Rugby. Reuters and the Australian Press Association. "Cables."
 "Arms" and "Herald" news services.
 12.15 p.m.—Stock Exchange information.
 12.30 p.m.—DREW AND ROMAINE:
 "I Want you to be Careful."
 12.40 p.m.—HUXHAM'S SERENADERS:
 Quartet. "Ph. Pip. Toot. Toot."
 EDITH HUXHAM, DOLLY BURDETT,
 BENN MILLAR, HUGH HUXHAM.
 Soprano solo: "Tale of Love" (Edwards).
 EDITH HUXHAM.
 THE STUDIO ORCHESTRA:
 "Folger's Chorus" (from Tannhauser).
 Humorous Quartet. "Did You Ever go a-Sailing" (Hazen).
 THE SERENADER QUARTET:
 Contralto solo: "Ombra ma fo."
 DOLLY BURDETT.
 STUDIO ORCHESTRA:
 "Evening Melodrama" (Hansen).
 Novelty Quartet: "The Swanee River" (in serious ways, including Operatic version, arranged by Hugh Huxham).
 THE SERENADER QUARTET.
 12.55 p.m.—STUDIO ORCHESTRA:
 "In a Chinese Temple Garden" (Kestely).
 1.5 p.m.—BETTY BEVAN, soprano:
 "Little Bear" (lyr.) (Easthope Martin).
 "Moulin Rouge" (Drake).
 1.12 p.m.—Meteorological information. Weather reports from Victoria, Tasmania, South Australia and New South Wales. Reports of rivers.
 1.22 p.m.—JONES AND RAINE, the Welsh Barbers, and Song: "When the Gorgonella Cheese went Mad."
 Duet: "From one Hill to another."
 Human Flange: "Light Cavalry."
 1.22 p.m.—STATION TRIO:
 "Menuet" (Bach).
 1.40 p.m.—BETTY BEVAN, soprano:
 "Irish Hash Song" (Newstead).
 "The Early Morning" (Dodd).
 1.47 p.m.—THE STUDIO ORCHESTRA:
 "Dance Oriental" (Lahmwig).
 2 p.m.—Close down.

AFTERNOON SESSION.

Spoken: "AU FAIT!"
 JOE ARONSON AND HIS SYNCOPATING COPATING SYMPHONISTS.
 PRESSY PRESTON, comedienne.
 OSBORNE AND PERRYER.
 Accompanist AGNES FORTUNE
 Announcer ALFRED ANDREW
 "MAMZANITA."
 2 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Sublime to Back Again."
 2.10 p.m.—AL FAIT with Me.
 "There's a Boatload on the Water."
 2.16 p.m.—AL FAIT, of the Values Booklet and News, Ltd., will give a Fashion Talk.
 2.25 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "I don't want Nobody but You."
 "A Cup of Coffee, a Sandwich and You."
 "Until to-morrow."
 2.35 p.m.—PRESSY PRESTON, Comedienne:
 "Lay."
 "Top of the Mountain."
 2.42 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Somebody's Lonely."
 "Hi Diddle, Diddle."
 2.48 p.m.—"Melancholy Nights Waits"
 Waits. "Backstroem and Perryer, will Radiate Humor on the Radio.
 2.52 p.m.—OSBORNE AND PERRYER, will Radiate Humor on the Radio.
 2.58 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "I'd Climb the Highest Mountain."

"Kafuka."
 "Fire, Fire, Fire, Turn the Hose on Me."
 4.12 p.m.—PRESSY PRESTON, Comedienne:
 "Hi-Diddle-Dee-Dee."
 "We've got a New Baby at Our Home."
 4.19 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Then 'Til be Happy."
 "Picnic."
 "Hi, Ho, Ho Merrie."
 4.29 p.m.—MAGGIE FOSTER Violin:
 Popular Melodrama.
 4.35 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "You Need Someone to Love."
 "Horse."
 "Buy the Blackbird."
 4.49 p.m.—Herald News Service. Stock Exchange Information.
 5 p.m.—Close down.

EVENING SESSION

5.48 p.m.—CHILDREN'S HOUR. Answers to Letters and Birthday Greetings.
 5.55 p.m.—"MARY GUMBLEAF." Poem.
 "A Story Down about a Kitten."
 Story for the Littlest Ones.
 6.05 p.m.—STUDIO ORCHESTRA. Descriptive piece:
 "Hark" (Shipley Douglas).
 6.13 p.m.—DREW AND ROMAINE, will Radiate Fun to the Children.
 6.25 p.m.—MARY GUMBLEAF, Story for the Boys.
 "The Sword of Tinael."
 "Story for the Girls, "Deborah's Locket."
 6.35 p.m.—"Archie" and "Herald" news services. Weather synopsis. Shipping news service.
 6.41 p.m.—Stock Exchange information.
 6.52 p.m.—Fish market reports, by J. R. Beresford, 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 Oatmeal. Haymarket. Sheep, Sales, Poultry, Grain, Straw, Hay and Jute.
 7.3 p.m.—Market prices of Oranges and Lemons, by the Victorian Central Citrus Association. Fruit market report by the Victorian Wholesale Producers' Association, compiled by the Fruit World, exclusive to 3LO.
 NIGHT SESSION.
 Spoken:
 PROF. W. A. OSBORNE, M.B., B.Ch., D.Sc., M.C. J. F. HOLMES, Mr. G. F. BROWN, Mr. H. R. WAIR.
 MALVERN TRAMWAYS BAND.
 Conductor, Mr. HARRY SHIELD.
 PRESSY PRESTON and REG. WYKHAM CHAS. BACKSTROM, Steel Guitar.
 WILL HILL, humorist.
 JONES AND RAINE.
 MAGGIE FOSTER, violin.
 JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.
 Accompanist AGNES FORTUNE
 Announcer ALFRED DUDLEY
 7.15 p.m.—Under the auspices of the Royal Automobile Club of Victoria, Mr. C. J. P. BRIDGES, secretary of the Royal Automobile Club of Victoria, "Traffic in a Modern City."
 7.30 p.m.—Under the auspices of the University Extension Board, Mr. G. F. BROWN, "Art in Industry."
 7.45 p.m.—Mr. H. R. WEIR (under the auspices of the V.A.A.), will speak on "To-morrow's Championships—Victorian Track and Field Games."
 8 p.m.—MALVERN TRAMWAYS BAND:
 March, "Under the Allied Banners."
 Overture, "If I were King" (Adams).
 8.10 p.m.—PRESSY PRESTON, comedienne:
 "You're in Kentucky just as you're born."
 "A fat fat feller wid his Mamma's Eyes."
 8.17 p.m.—CHAS. BACKSTROM, Steel Guitar:
 "Rainbow Waits."
 "Santura Moon Beams."
 8.25 p.m.—WILL HILL, humorist:
 "Too Late to Live."
 "There's a Home for You."

8.32 p.m.—MALVERN TRAMWAYS BAND:
 Selection, "Stephen Adams' Songs" (Hume).
 8.47 p.m.—JONES AND RAINE, The Welsh Barbers, and Duet: Popular Songs.
 Trio, "Marche Hongroise."
 Selection on Radio.
 8.57 p.m.—MAGGIE FOSTER, violin:
 Selection, "Cavalleria Rusticana."
 "Cardas."
 9.3 p.m.—PROFESSOR W. A. OSBORNE, M.B., B.Ch., D.Sc., Professor of Physiology, at the Melbourne University, will speak on "THE CHINA OF TO-DAY."
 9.27 p.m.—CHAS. BACKSTROM, Steel Guitar:
 "Duh Duh Poi."
 "Mamma Rosa."
 9.35 p.m.—REG. WYKHAM and PRESSY PRESTON:
 A Sketch, "The Brass Door Knob."
 9.47 p.m.—MAGGIE FOSTER, violin:
 "Barnesville" (Offenbach).
 "Kuywah."
 9.54 p.m.—British Official Wireless news from Rugby. Announcements.
 10.4 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Some other Bird Whistled a Tune."
 10.14 p.m.—WILL HILL, humorist:
 "You be."
 "Achoo"—Sneezing Song.
 10.24 p.m.—MALVERN TRAMWAYS BAND:
 Waits, "Berita" (Raymond).
 10.31 p.m.—"Argo" news service. Sporting notes by "Olympus." Weather forecast.
 10.45 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Sidewalk Blues."
 "That's Why I Love You."
 "On the Riviera."
 "Doe on the Piano."
 "Lullaby."
 11 p.m.—OTR GREAT THOUGHT:
 "Goodness is beauty in its best attire."
 "Marlowe."
 11.3 a.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
 "Fakins Shivers."
 Waits, "Hush."
 "Nobody but You."
 "Lonesome and Sorry."
 "Crying for the Moon."
 "Blender."
 "Sweet Hawaiian Sands."
 "Love Bound."
 11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

MIDDAY SESSION.

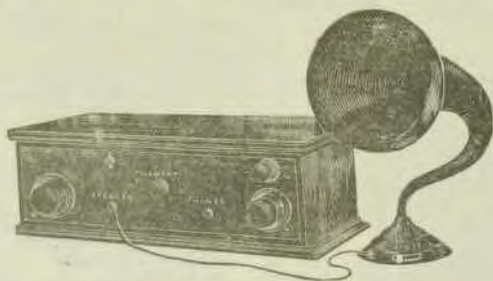
1 p.m.—Market reports, weather information, "The Daily Mail" and "The Daily Standard" news.
 1.20 p.m.—From the Hotel Carlton: Lunch music from the Lounge, Hotel Carlton, played by Hotel Carlton Symphony Orchestra.
 1.55 p.m.—From the Observatory. Standard time signal.
 2 p.m.—Close down.

AFTERNOON SESSION.

A PROGRAMME OF MUSIC FROM THE STUDIO.
 2.30 p.m.—Duo Art Selection. "Viennese Waltz" (Epstein); Aeolian Vocalion Selection—(a) selection "Madame Butterfly" (Chim); "Muschetta's Orchestra," (b) baritone solo, "Star of the East" (Lehr); Mr. Eric Marshall; Duo Art selection, "Nocturne" (Chopin); Aeolian Vocalion selection (a) tenor, "Breathing Along" (Gillespie) Riverside Dance Band, (b) tenor solo, "Songs my Mother Taught Me" (Dvorak) Mr. Frank Titterton; Duo Art selection, "Cradle Song" (Borini); Aeolian Vocalion selection—(a) violin solo "Midnight Belle" (Kreuder) Miss Peggy Cochran; (b) contralto solo "Coming Home" (Willsby) Miss Ethel Hook; Duo Art selection, "Concert Waits" (Friml); Aeolian Vocalion selection—(a) tenor, "In my Gondola" (Wagner) Don Parker's Band, (b) baritone solo "Beware of the Maiden" (Day) Mr. Eroust Butcher.

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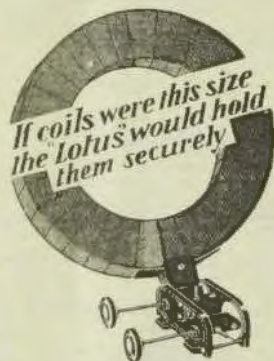
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4.15 p.m.—The Telegraph news.
4.40 p.m.—Close down.
EARLY EVENING SESSION.
6 p.m.—Daily Standard news.
Announcements.
6.30 p.m.—Bedtime stories by "Uncle Ben" and "Uncle Jim."
7 p.m.—Market report, stock reports, Lectures—"A Talk on Poultry" by Mr. C. Kidd (Hon. Secretary, National Poultry Breeders' Association of Australia).
7.30 p.m.—Stock reports, announcements, weather news.
7.55 p.m.—Standard time signal.
NIGHT SESSION.
8.15 p.m.—Lecture Session—"Photography" by Mr. F. L. South (Mr. Kodak, Ltd.).

STUDIO PROGRAMME.
8 p.m.—Overture, "The Black Monk" (Schubert), the Gaiety Orchestra (conductor, Miss Joan Taylor), contralto solo, "When the Tide Comes In" (Harris), Mrs. Charles Wilby; group of mouth organ numbers by Mr. W. Ranch; soprano solo, "O Lovely Night" (Ronald), Mrs. M. Allen; tenor, "Tonight's My Night with Helen" (Casson), the Gaiety Orchestra.

RAID NOVELTY.
DESCRIPTION OF THE AMBULANCE.
9.30 p.m.—A full description of the Queensland Ambulance and Transport Brigade will be relayed from Headquarters, Ann Street, Brisbane. A microphone will be mounted in the Ambulance station and an announcer will describe just how the work of the Brigade is effected.

STUDIO PROGRAMME.
9.15 p.m.—From the Studio—Tenor solo, "Friend" (Paves), Mr. J. F. Maxwell; contralto weather forecast, Ten minutes with Henry Lawson by Mr. Claude Walker; tenor, "Harcourt's" (Egan), the Gaiety Orchestra; soprano solo, "Red Hot" (Ward), Mrs. M. Allen; group of mouth organ numbers by Mr. W. Ranch; contralto solo, "Bird of Love Divine" (Wood), Mrs. Charles Wilby; orchestral, "Forever and Forever" (Wells); the Gaiety Orchestra; tenor solo, "Dear Heart of Mine" (Andersen), Mr. J. F. Maxwell; operatic selection, "Queen of the Pirate Isle" (Freeman), the Gaiety Orchestra.
10 p.m.—The Daily Mail news. Weather news. Close down.

SCL, ADELAIDE

MORNING SESSION.
11.30 a.m.—G.P.O. chimes.
11.41 a.m.—Stock Day Art number.
11.49 a.m.—Advertiser's time service.
11.55 a.m.—Vacation number.
12 noon.—G.P.O. chimes.
12.1 p.m.—Advertiser news service.
12.16 p.m.—Stock Day Art number.
12.30 p.m.—Stock Exchange report, official weather analysis and station announce-
ments.
12.30 p.m.—G.P.O. chimes.
12.51 p.m.—Studio Orchestra Overture, "Maiden in Algeria" (Wells), Tim's song for "all" for "all" "Caring that the world" (Harcourt), "Pine Town" (Wells), solo, "Romance" (selection), "The dancing mistress", "Dance of the raindrops", "Mimosaesque", "The magpie and the parrot" finale, "Hosios's tune".
2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.
3 p.m.—G.P.O. chimes.
3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral numbers.
3.45 p.m.—From the Studio—Stock Day Art and Vacation number.
6 p.m.—G.P.O. chimes.
6.1 p.m.—Relay from the Arcadia Cafe—Orchestral number.
6.57 p.m.—Stock Exchange report, general information and station announcements.
8 p.m.—G.P.O. chimes and close down.

EVENING SESSION.
6.30 p.m.—G.P.O. chimes.
6.51 p.m.—Stock Day Art number.
6.56 p.m.—Bedtime stories.
7.30 p.m.—Market reports.
7.50 p.m.—Mining talk by Mr. Jackson.
8 p.m.—G.P.O. chimes.
8.1 p.m.—Grand Choral Concert by Miss Molla Tandy, Margaret Macfarlane Berrall, Mr. Herbert King, Mr. Cyril Bradley, and the Gaiety Quartet.
8 p.m.—G.P.O. chimes.
9.1 p.m.—Weather report.
9.2 p.m.—Daily's news report.
9.5 p.m.—Grand Choral Concert (continuation).
10.1 p.m.—G.P.O. chimes.
10.4 p.m.—Advertiser news service.
10.55 p.m.—Grand Choral Concert (continued).
11 p.m.—G.P.O. chimes and close down.

6WF, PERTH

12.30 p.m.—Tune in.
12.35 p.m.—First local news bulletin supplied by courtesy of The West Australian Newspaper Co.
Market reports.
Cables.
1 p.m.—Time signal from the Perth Observatory.
1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.15 p.m.—MUSIC TRIO.
1.30 p.m.—Close down.
1.36 p.m.—Tune in.
1.45 p.m.—Musical programme, including pianoforte selections by Miss Evelyn Willis, A.R.C.M.
4 p.m.—STUDIO TRIO.
4.40 p.m.—Close down.
5 p.m.—Tune in.
5.5 p.m.—Relay from Tim's Tots by Auntie Kate and Uncle Perry.
6.30 p.m.—Stock and share intelligence.
Market reports.
6.45 p.m.—News supplied by courtesy of "The West Australian" Newspaper Co.
7 p.m.—Time signal from the Perth Observatory.
7.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
7.5 p.m.—MUSIC AND SONG.
Musical programme.
8 p.m.—Table "Secondary Industries Food Products" by Mr. H. Hick, of Messrs. Richard Holmes and Co.
Mr. Russell Callow, tenor.
"A Birthday Song" (Vera McFarlane).
"At Dawn" (C. V. Gahmmer).
Mr. Russell Callow, tenor.
"Come For Us" (June) (Dorothy Foster).
"Like Stars Above" (Squires).
Miss Evelyn Willis, A.R.C.M., flutist.
10 p.m.—Second local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.
10.30 p.m.—Close down.

Wed., February 23 2FC, SYDNEY

EARLY MORNING SESSION.
7 a.m.—"Big Ben" and announcements.
7.5 a.m.—Studio music.
7.50 a.m.—Official weather forecast, rainfall, temperatures, astronomical mercurials, shipping intelligence, mail services, commercial news.
8 p.m.—Investment market, mining share market, metal quotations.
8.55 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.
7.45 a.m.—Sydney Morning Herald news service.
8 a.m.—"Big Ben" Studio music.
8.35 a.m.—Close down.

MORNING SESSION.
9.30 a.m.—Marching music for school children.
9.40 a.m.—Popular records.
10 a.m.—"Big Ben" and announcements.
10.45 a.m.—Late Sydney Morning Herald news service.
10.15 a.m.—Studio music.
10.45 a.m.—A morning reading.
11 a.m.—"Big Ben" Australian Press Association and Reuters' Cable Services.
11.10 a.m.—Studio music.
11.35 a.m.—A talk on home cooking and recipes by Miss Kate Foster.
11.40 a.m.—Marching music for school children until 11.55 a.m.
NOTE.—If the O. G. Marston's Benefit Cricket Match, Australia versus the Rest of the World, is still in progress, scores will be given at intervals throughout the day.

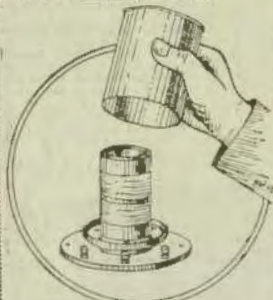
MIDDAY SESSION.
12 noon.—"Big Ben" and announcements.
12.15 p.m.—Stock Exchange, first call.
12.30 p.m.—Studio music.
12.45 p.m.—FROM FARMER'S OAK HALL.—Instrumental item by the Oak Hall Trio.
1.30 p.m.—Rough wireless news.
1.35 p.m.—Miss Sybil Atholwood, mezzo.
1.40 p.m.—"The Girl Who Weathered" (intelligence).
1.45 p.m.—"Evening News" midday news service. Producers' Distributing Society's Report.
1.50 p.m.—FROM FARMER'S OAK HALL.—The Oak Hall Trio.
1.55 p.m.—Stock Exchange, second call.
1.58 p.m.—Marching music for school children.
1.59 p.m.—Miss Sybil Atholwood, mezzo.
2 p.m.—FROM FARMER'S OAK HALL.—Instrumental item by the Oak Hall Trio.
2.05 p.m.—"Big Ben" Close down.

AFTERNOON SESSION.
2.30 p.m.—Announcements.
2.35 p.m.—Studio music.
2.40 p.m.—A reading.
3.15 p.m.—Studio solo.
3.30 p.m.—Marching music for school children.
3.39 p.m.—FROM FARMER'S OAK HALL.—Instrumental item by the Oak Hall Trio.
3.43 p.m.—Announcement of the opening of the Radio and Electrical Exhibition in the Sydney Town Hall.
FROM THE STAGE OF THE SYDNEY TOWN HALL—a programme specially arranged by 2FC.
3.45 p.m.—"Big Ben" Chimes.
3.48 p.m.—The 2FC Studio Dance Band—Dorothy, Mr. Eric Pearce—(a) Fox Trot—"Poodle" (Pastorick), (b) Fox Trot—"My baby's due at ten to two" (Romaine).
3.52 p.m.—Mr. Wally Baynes, comedian.
4 p.m.—Mr. Cliff Arnold, Novelist. Pianist—A melody of popular items—(a) "I'd climb the highest mountain" (Brown & Lane), (b) "Just like a meadow lark" (Kerdel), (c) "I wonder where my baby is to-night" (Donaldson).
4.15 p.m.—FROM THE STAGE AT THE SYDNEY TOWN HALL—Miss Ethel Boyd, contralto—1. "Dance of the four winds" (Bragg), 2. "The 2FC Dance Band—Fox Trot—"Idolizing" (Meisenheimer).
4.18 p.m.—The "Hello Man".
4.20 p.m.—Miss Ethel Boyd, contralto—"Walk along" (Rawley).
4.25 p.m.—The 2FC Dance Band—Fox Trot—"It made you happy" (Donaldson).
Announcer, Mr. LAURENCE HALBERT.
Accompanist, Mr. EDWARD CHAPPEL.
4.30 p.m.—FROM THE STUDIO—Pianoforte recitalisation of the "Robbing" Player Piano.
4.40 p.m.—Miss Thelma Lansdowne, mezzo.
4.45 p.m.—Stock Exchange, third call.
4.48 p.m.—Close down.

EARLY EVENING SESSION.
5.15 p.m.—The chimes of 2FC.
5.30 p.m.—The "Hello Man" talks to the children.
5.50 p.m.—A story for the older ones.
6.45 p.m.—Dinner music.
7 p.m.—Late springing news.

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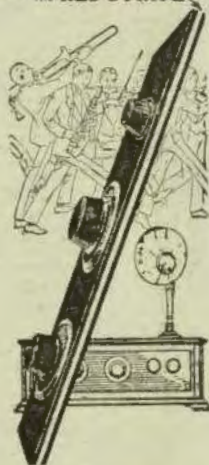
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DILECTO: The Panel for Better Built Sets

7.10 p.m.—Daiety's Market reports (wheat, wheat, and stock).
 7.18 p.m.—Fruit and vegetable markets.
 7.20 p.m.—Weather and shipping intelligence.
 Stock Exchange information.
 7.26 p.m.—Late Evening News' news service.

NIGHT SESSION

7.40 p.m.—Programme announcements.
 7.45 p.m.—Commemorating the Anniversary of Handel's Birth in 1685 with illustrations of the late composer's work, by Mr. William Adam.
 8 p.m.—"Big Ben." The Whitchello Trio in popular numbers.
 8.5 p.m.—Mr. Lindley Evans, Pianist. His final appearance before leaving Sydney to be associated with Dame Nellie Melba as her accompanist on her Australian tour. "Ballade in A Flat" (Chopin) (by request).
 8.15 p.m.—FROM THE SYDNEY TOWN HALL.—A special programme arranged by G.P.O. for the Radio and Electrical Exhibition. "Big Ben" chimes.
 8.26 p.m.—The 2FC Studio Dance Band (Conductor, Mr. Eric Pearce), with Mr. Len Maurice, popular baritone. Fox Trot—"Just a bird's eye view" (Donahoe). Fox Trot—"Rose Colored Glasses" (Malle).
 8.22 p.m.—Maxim Brodi, tenor—"La Fanchetta del vero" (Puccini).
 8.27 p.m.—The Bondi Beach Concert Band (conductors of the 1924 Australian Band Championship). Conductor, Mr. W. M. Farrington. (a) March—"Brilliant" (Humm). (b) Waltz Song—"June brought the roses" (Openshaw).

9.25 p.m.—Mr. Rex Garling and "Jeany" in ventriloquist patter.
 9.42 p.m.—Mr. Lisle Pearce—Xylophone solo—"Goodbye, Blackbird."
 9.46 p.m.—Madame Elsa Stralia—Dramatic Soprano—(a) "Ernst inlovlam" (Verdi). (b) "D'Amor sull' all' reno" (Il Trovatore) (Verdi).
 8.52 p.m.—The Bondi Beach Concert Band, Conductor Mr. W. M. Farrington: Overture—"Raymond" (Thomas).
 9 p.m.—Mr. Jack Lumsdaine in song and story—(a) "Baby Face" (Davis). (b) "Tenderly" (Ohlman).
 9.5 p.m.—Madame Elsa Stralia, Dramatic Soprano—and Maxim Brodi, tenor—"Durt—"Garden Scene" (Faust) (Gounod).
 9.10 p.m.—The 2FC Studio Dance Band, conducted by Mr. Eric Pearce—Fox Trot—"Fire."
 9.15 p.m.—FROM THE STUDIO—The Whitchello Trio in popular numbers.
 9.22 p.m.—Announcements and late news.
 9.25 p.m.—The Bondi Beach Concert Band, conducted by Mr. W. M. Farrington. Selection—"Rose Marie" (Ermi).
 9.40 p.m.—Mr. Jack Lumsdaine—songs at the piano.
 9.48 p.m.—The Bondi Beach Concert Band—(a) Valse—"Udler" (Rouse). (b) March—"Old Comrades" (Teike).
 10 p.m.—Madame Elsa Stralia, Dramatic Soprano.
 10.4 p.m.—The 2FC Studio Dance Band (Conductor, Mr. Eric Pearce) and Mr. Len Maurice, popular baritone—Fox Trot—"I'm lonely without you."
 10.19 p.m.—Maxim Brodi, tenor—"Lungi De Caro, Hero" (Sartri).
 10.15 p.m.—Mr. Lindley Evans, pianist—"Wedding Day" (Grig). Shadow Dance (Dowell).
 10.22 p.m.—The 2FC Studio Dance Band, assisted by the popular baritone, Mr. Len Maurice—(a) One Step—"Savvy Scottish Melody" (Somers). (b) Fox Trot—"Red Red Robin". (c) Fox Trot—"Sweet Child."

11 p.m.—"Big Ben" and announcements.
 11.5 p.m.—The 2FC Dance Band will play popular numbers until midnight, assisted by Mr. Len Maurice, popular baritone.
 12 midnight—"Big Ben." National Anthem. Close down.

2BL, SYDNEY

EARLY MORNING SESSION.

7.15 a.m.—G.P.O. Clock and chimes.
 7.15 a.m.—Musical programme from Studio.

7.30 a.m.—Physical training and health exercises.
 7.25 a.m.—Hints on Health.
 7.30 a.m.—Physical training and health exercises.
 7.45 a.m.—G.P.O. Clock and chimes.
 7.40 a.m.—Weather report.
 7.46 a.m.—Shipping information.
 7.50 a.m.—Broadcasters' special news service.
 8 a.m.—G.P.O. Clock and chimes. Close down.

MORNING SESSION.

Racing information broadcast by courtesy of the Sun.
 11 a.m.—G.P.O. Clock and chimes.
 11 a.m.—Weather report.
 11.8 a.m.—Musical programme from the Studio.
 11.8 a.m.—Sydney "Daily Telegraph" news service.
 11.15 a.m.—Rabbit market report.
 11.27 a.m.—Fish market report.
 11.29 a.m.—Vegetable market report.
 11.21 a.m.—Fruit market report.
 11.23 a.m.—London Dairy, Farm, Egg and Poultry market.
 11.28 a.m.—London Market quotations.
 11.30 a.m.—Ships in call by Wireless.
 11.34 a.m.—Information re Inter-State and Overseas Mails.
 11.34 a.m.—Shipping information; arrivals and departures.

WOMEN'S SESSION.

Talk on "Walking Tours" by Miss Gwen Varley, Broadcaster's Women's Sports Authority.
 11.40 a.m.—Social notes by Mrs. Jordan.
 11.45 a.m.—Mrs. Jordan replies to correspondents.
 12.3 p.m.—Talk by Dr. Morris.

12.30 p.m.—G.P.O. Clock and chimes.
 12.31 p.m.—Sydney Stock Exchange calls.
 12.43 p.m.—News from the "Sun."
 12.45 p.m.—Musical programme from the Studio.
 1 p.m.—G.P.O. Clock and chimes.
 1.1 p.m.—Pianoforte Lecture Recital by Mr. Arnold R. Mote, B.A., from the Fine Art Gallery, Anthony Horderns.
 1.40 p.m.—News from the "Sun."
 1.50 p.m.—Sydney Stock Exchange Calls.
 1.52 p.m.—Musical programme from the Studio.
 2 p.m.—G.P.O. Clock and chimes.
 2.1 p.m.—Weather report and forecast.
 2.3 p.m.—Social notes from the "Sun."
 2.8 p.m.—Musical programme from the Studio.
 2.25 p.m.—Racing Resumes.
 2.30 p.m.—G.P.O. Clock and chimes.
 2.31 p.m.—News from the "Sun."
 2.45 p.m.—Musical programme from the Studio.
 3 p.m.—G.P.O. Clock and chimes.
 3.1 p.m.—Racing Resumes.
 3.15 p.m.—News from the "Sun."
 3.20 p.m.—Musical programme from the Studio.
 3.45 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.
 4.45 p.m.—Producers Distributing Society's Vegetable and Fruit market report.
 4.50 p.m.—Shipping information when available.
 4.52 p.m.—Days racing resume on race days.
 5 p.m.—G.P.O. Clock and chimes.
 5.1 p.m.—Resume of night's programme.
 5.5 p.m.—Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and chimes.
 5.47 p.m.—Uncle George and the Kiddies.
 6.40 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

6 p.m.—G.P.O. Clock and chimes.
 Australian Mercantile Land and Finance Co.'s Report. Weather report and forecast by courtesy of Genl. Meteorological. Producers Distributing Society's Fruit and Vegetable market report. Stock Exchange reports. Grain and Fodder report. ("Sun"). Dairy Produce report ("Sun").

7.15 p.m.—Country news from the "Sun."
 7.30 p.m.—Talk on "Books Wise and Otherwise."
 8 p.m.—G.P.O. Clock and chimes. Broadcaster's Topical Chorus.
 8.3 p.m.—Broadcaster's Trio.
 8.13 p.m.—Miss Elsie Findlay (soprano).
 8.20 p.m.—Rud Gobner (Descriptive Vocal) (st).
 8.28 p.m.—Mr. S. Collinson will talk on "Building a True Low Lasser."
 8.48 p.m.—Miss Thelma Houston (contralto).
 8.55 p.m.—Resume of following day's programme. Weather report and forecast by courtesy of Mr. G. J. Marcus, Government Meteorologist.
 9 p.m.—G.P.O. Clock and chimes.
 9.1 p.m.—Mr. Bert Wagne (Comedian).
 9.3 p.m.—Broadcaster's Trio.
 9.19 p.m.—Mr. A. G. Steel (Baritone).
 9.25 p.m.—Interval.
 9.31 p.m.—Miss Elsie Findlay.
 9.35 p.m.—Osborne and Warren.
 9.50 p.m.—Miss Thelma Houston.
 9.57 p.m.—Broadcaster's Trio.
 10.7 p.m.—Mr. A. G. Steel.
 10.14 p.m.—The Ambassadors' Dance Band broadcast from the Ballroom of the Ambassadors. During the intervals between dances news reports by courtesy of the "Sun" will be broadcast.
 12 midnight G.P.O. Clock and chimes. National Anthem.

2GB, SYDNEY

MORNING SESSION.

CHEERIO HOUR, Conducted by Mr. J. W. POWELL.

8.30 a.m.—Music from the Ballroom of the Ambassadors.
 9.35 a.m.—"Cheerio" Talk.
 9.50 a.m.—Song.
 10.5 a.m.—Health Talk.
 10.15 a.m.—Music.
 10.20 a.m.—Chimes.
 10.30 a.m.—Close down.
 AFTERNOON SESSION.
 3.30 p.m.—Music.
 3.40 p.m.—Humanitarian Movements in Series.
 3.55 p.m.—Music.
 4.5 p.m.—News from everywhere for Women.
 4.20 p.m.—Music.
 4.30 p.m.—Close down.

3LO, MELBOURNE

THE STUDIO ORCHESTRA.

DREW AND ROMAINE, Two Boys and a Piano.
 JACK DUNNE, baritone.
 HUXHAM'S SERENADERS, Accompanist—AGNES FORTUNE Announcer—ALFRED ANDREW "PIERROTECHNICS."
 12 noon.—Time Signal. British Official Wireless news from Rugby. Reuter's and the Australian Press Association Cables.
 12.15 p.m.—Stock Exchange information.
 12.25 p.m.—STUDIO ORCHESTRA: "The Emerald Isle" (Lancaster).
 12.30 p.m.—DREW AND ROMAINE will give a little Talk on "Money."
 12.40 p.m.—JACK DUNNE, baritone (by permission of J. C. Williamson, Ltd.): "The Bandolero" (Cadmus).
 "At Dawning" (Cadmus).
 12.47 p.m.—STUDIO ORCHESTRA: "La Source—Ballet Suite" (Delibes).
 1 p.m.—HUXHAM'S SERENADERS: Trio—"The Glass Laughing Trio."
 EDITH HUXHAM, RENN RULLAK, HUGH HUXHAM.
 Tenor solo—"Kiss Your Daddy" (Wells).
 HUGH HUXHAM.
 STUDIO ORCHESTRA:
 "Serenade" (Rachmaninoff).
 Quartet—"Smiling Eyes" (Howards).
 THE SERENADER QUARTET.
 Song—"Push it Along" (Abrahams).
 EDITH HUXHAM.
 STUDIO ORCHESTRA:
 "Whims" (Sabananno).
 Quartet—"A May Morning" (Deane).

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On Sale at Exhibition
Daily Telegraph Stall
and all Booksellers & Radio
Stores.

1.25 p.m.—Metereological information, Stock Exchange information, Weather forecasts for Victoria, Tasmania, South Australia, and New South Wales.

1.30 p.m.—JACQUES DENNE, harpist: "A Chip of the Old Block" (Squint), "In an old fashioned Town" (Squint).

1.42 p.m.—STUDIO ORCHESTRA: "Victor Herbert Favorites" (Herbert).

2 p.m.—Close down.

2.30 p.m.—Description of Two-Year-Old Handicap, MENTONE RACES, by "Market" of the "Sporting Globe."

AFTERNOON SESSION.

Speaker: SISTER PECK.

WILL HILL, humorist.

MAGGIE FOSTER, violin.

OSBORNE AND PERRYER.

PRESSY PRESTON, comedienne.

JONES AND RAINE.

Accompanist: AGNES FORTUNE.

Announcer: ALFRED ANDREW.

"SECOND COURSE AND RACECOURSE."

3 p.m.—Description of MENTONE PLATE MENTONE RACES, by "Market" of the "Sporting Globe."

5.3 p.m.—STUDIO ORCHESTRA: "Bullet Suite" (Rameau-Motte).

6.15 p.m.—WILLIAM HILL, humorist: "Cab I Come in."

"Stand up."

6.22 p.m.—MAGGIE FOSTER, violin: "My Old Kentucky Home."

"Robin Adair."

6.30 p.m.—Description of DRUSH STEEPLE MENTONE RACES, by "Market" of the "Sporting Globe."

6.35 p.m.—OSBORNE AND PERRYER, in "Concentrated Comedy."

6.45 p.m.—STUDIO ORCHESTRA: "Lachrymose-Symphony" (Haydn).

6.52 p.m.—PRESSY PRESTON, comedienne: "Hallelujah."

Selected.

6.58 p.m.—Description of MENTONE HANDICAP MENTONE RACES, by "Market" of the "Sporting Globe."

6.55 p.m.—STUDIO ORCHESTRA: "Two in a Bar," a Musical Cocktail (Loring).

7.10 p.m.—JONES AND RAINE, The Welsh Karrebis and Song: "The Lay of the Egg."

Duets: "Eat More Fruit."

Humad Pianola, "Bohemian Girl."

7.25 p.m.—MAGGIE FOSTER, violin, "Humoresque."

"Jasquita."

7.30 p.m.—Description of MENTONE PURSE MENTONE RACES, by "Market" of the "Sporting Globe."

7.35 p.m.—SISTER PECK will speak on "Mothercraft."

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

8 p.m.—Description of JUMPER'S ELAY MENTONE RACES, by "Market" of the "Sporting Globe."

8.5 p.m.—Close down.

EVENING SESSION.

8.40 p.m.—CHILDREN'S HOUR. Answers to letters and Birthday greetings.

8.55 p.m.—STUDIO ORCHESTRA: "The Parade of the Tin Soldiers."

9.3 p.m.—"MARY, MARY," Story for the Littlest Ones.

"Little Snowdrop."

9.17 p.m.—RUXHAM'S SERENADERS will sing for the children:

Quartet, "Nursery Rhymes."

"The A.B.C. Up-to-date."

"Hush-a-bye."

9.37 p.m.—"MARY, MARY," "The Slave who was King for a Year."

9.55 p.m.—"Arise" and "Herald" news services. Weather and Aerial Mail information by the Australian Aerial Service, Ltd.

6.48 p.m.—Stock Exchange information. Over-seas shipping.

6.53 p.m.—Fish market reports by J. R. Burwell, Ltd.

6.58 p.m.—Rivce reports.

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

7.4 p.m.—Market prices of Oranges and Lemons, by the Victorian Central Citrus Association Pty. Ltd. Fruit market reports by the Victorian Wholesale Fruitgrowers' Association, compiled by the Fruit World, exclusive to R.O.

NIGHT SESSION.

Speakers:

Mr. W. C. RUGG, Mr. P. D. PHILLIPS, CAPT PETERS, MISS ADA REEVE.

THE STUDIO ORCHESTRA.

Mr. WILLIAM JAMES, monodrama recital.

OSBORNE AND PERRYER.

JONES AND RAINE.

THE VICTORY THEATRE ORCHESTRA.

JOE ARONSON and his SYNCOATING SYMPHONISTS.

Announcer: AGNES FORTUNE.

7.15 p.m.—Under the auspices of the Department of Agriculture, Mr. W. C. RUGG, Poultry Expert, "The Position of Poultry."

7.30 p.m.—Under the auspices of the Institute of Pacific Relations, Mr. P. D. PHILLIPS, "Immigration Policies of Pacific Countries."

7.45 p.m.—CAPTAIN PETERS: "Books wise and otherwise."

"CHAMBER MUSIC."

8 p.m.—STUDIO ORCHESTRA: Selection, "Schubert Songs," Part 1.

8.10 p.m.—CLAUDE HALL, baritone: "Oleana."

"Si me ven" (Hahn).

8.17 p.m.—STATION TRIO: "No. 2—First Movement" (Brahms).

8.25 p.m.—WILLIAM J. JAMES, pianoforte recital: (Brahms) "Bourée, Flute"; "Tolonian A Major" (Chopin); "Valse D'Est" (Chopin).

"Etude No. Octaves" (Alban). "Pauze Valente" (Polish).

"Humidita No. 1" (Liszt).

JUST FOR FUN—

8.40 p.m.—OSBORNE AND PERRYER, in Humor, Songs, Monologues, etc.

8.50 p.m.—STUDIO ORCHESTRA: Selection, "Madama Butterfly" (Puccini).

9 p.m.—MISS ADA REEVE, now appearing in "Pins and Needles," will speak to you from her dressing-room at the Theatre Royal.

ROCK FURY—

9.15 p.m.—JONES AND RAINE, The Welsh Karrebis: "Ideal Home."

DUET: "If I Can't Sing About My Mammy" (Higgins).

9.25 p.m.—STUDIO ORCHESTRA: "Schubert Songs," Part 2.

9.30 p.m.—THE VICTORY THEATRE ORCHESTRA, under direction of M. BARBER, transmitted from the Victory Theatre, St. Kilda.

10.45 p.m.—British Official Wireless news from Rugby. Arrive news service. Announcements. Weather forecast.

11 p.m.—OUR GREAT THOUGHT: "Every great and commanding movement in the annals of the world is the triumph of enthusiasm." Emerson.

11.1 p.m.—JOE ARONSON and HIS SYNCO-PATING SYMPHONISTS: "Where did you get those Eyes."

"Wait, There never was a pal like you."

"To climb the highest mountains."

"Get me Today."

"The Animal Fair" (Circus Days).

"Precious."

"St. Louis Blues."

Batonize.

11.40 p.m.—GOD SAVE THE KING.

4QC, BRISBANE

EARLY MORNING SESSION.

6.30 a.m.—Physical culture session.

7 a.m.—Close down.

MIDDAY SESSION.

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

1.30 p.m.—From the G.P.O. Brisbane. A Programme of Music by the Postal Institute Orchestra (conductor, Mrs. Viv. Thomas).

1.55 p.m.—From the Observatory. Standard time signal.

2 p.m.—Close down.

AFTERNOON SESSION.

2.30 p.m.—From Hotel Carlton. Afternoon Tea Music from the Lounge, Hotel Carlton, played by Hotel Carlton Symphony Orchestra.

4.15 p.m.—From the Studio: "The Telegraph" news.

4.30 p.m.—Close down.

4.35 p.m.—KARELY EVENING SESSION.

6 p.m.—"Daily Standard" news. Announcements.

6.30 p.m.—Dramatic Stories by "Little Miss Brisbane."

7 p.m.—Market reports, stock reports, Lachrymose—"The Milk Supply of the City of New York" by Mr. J. R. Murray. Practical Queensland Agricultural High School and College.

7.20 p.m.—Announcements. Weather news.

7.45 p.m.—Standard time signal.

NIGHT SESSION.

7.45 p.m.—Lecture Session: "A French Talk," the sixth of a series by Count de Teillac (President Brisbane Alliance Francaise).

POPULAR CONCERT.

8 p.m.—Chamberistic, "Caprice" (Miliutin); "Balladina," the Studio Orchestra (conductor, Mr. A. R. Featherstone); soprano solo, "Vincenzo" (Del Acqua), Miss Jill Munnery; group of baritone numbers by Mr. N. Gould; tenor solo, "The Heart of a Hero" (Nobels); Mr. Gerald Cashman; Hawaiian instrumentalists, the Monna Duo; voice duo, "Kupipi's Caravan" (Holovata); the Studio Orchestra; contralto solo, "The Arrogant and the Proud" (Haffel); Mrs. Joan Napier; male quartette, "The Daringest Volstead"; the Lyric Male Quartette in short organ recital by Mr. R. S. MacNeil; bass solo, "Vincenzo" (Haffel); (Haffel); Mr. G. Corryell; soprano solo, "Somebody down" (Barvier); Miss Ruth Patraire, pianoforte; "The Dragon Fighter" (Hoffman); the Studio Orchestra.

8.15 p.m.—Metropolitan weather forecast. Contralto solo, "I Did Not Know" (Trompe); Miss Winifred Anderson; group of baritone numbers, Mr. N. Gould; soprano solo, "Teich He" (German); Miss Jill Munnery; Hawaiian instrumentalists, the Monna Duo; male quartette, "The Owl and the Pussy Cat"; the Lyric Male Quartette; tenor solo, "My Mother's Rosary" (San. Trier); Mr. Gerald Cashman; contralto, "Purs and Prills" (Hahn); the Studio Orchestra; contralto solo, "Golden Days" (O'Sullivan); Mrs. Joan Napier; Hawaiian instrumentalists, the Monna Duo; bass solo, "The Friend For Me" (McCully); Mr. J. P. Curryell; march, "Frat" (Berth); the Studio Orchestra; soprano solo, "When You are Old" (Schubert); Miss Ruth Patraire, male quartette, "My Old Kentucky Home" (Farrar); the Lyric Male Quartette; contralto solo, "Till I Wake" (Woodford-Indus); Miss Winifred Anderson; graceful dance, "Clytia" (Palm); the Studio Orchestra.

10 p.m.—"The Daily Mail" news, weather news. Close down.

5CL, ADELAIDE

MORNING SESSION.

11.30 a.m.—G.P.O. times.

11.51 a.m.—Week Day Art number.

11.50 a.m.—Advertiser's news service.

11.55 a.m.—Vocalists' number.

12 noon—G.P.O. times.

12.1 p.m.—"Advertiser's" news service.

12.16 p.m.—Week Day Art number.

12.30 p.m.—Stock Exchange reports, official weather reports and station announcements.

12.35 p.m.—G.P.O. times.

12.31 p.m.—Studio Orchestra. Selection: "Pearls and diamonds"; waltz, "Bygone melody"; fox trot, "Lorraine and ours"; cornet solo, "Nightingale"; the broadened petticoat; solo by "The Tailor"; romance, "Mon Amour"; Oriental, "Chang"; Rhapsody, "Sweet English melody."

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We need not add to this in any way beyond quoting prices.

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2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

- 2 p.m.—G.P.O. chimes.
 3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral numbers.
 3.45 p.m.—From the Studio—Steek Duo Art and Vocalion numbers.
 4 p.m.—G.P.O. chimes.
 4.1 p.m.—Relay from the Arcadia Cafe—Orchestral numbers, Vocalist, Miss Linda Wald.
 4.55 p.m.—Stock Exchange reports, general information and station announcements.
 5 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

- 6.30 p.m.—G.P.O. Chimes.
 6.31 p.m.—Steek Duo Art number.
 6.35 p.m.—Bedtime stories.
 7.22 p.m. Reports.
 7.35 p.m.—Boy Scouts' Corner.
 7.50 p.m.—Faulding's scientific talk.
 8 p.m.—G.P.O. chimes.
 8.1 p.m.—Concert arranged by the S.A. Listeners League.
 9 p.m.—G.P.O. chimes.
 9.1 p.m.—Weather report.
 9.2 p.m.—Dulcety's wheat report.
 9.5 p.m.—Listeners' League concert (continued).
 10 p.m.—G.P.O. chimes.
 10.1 p.m.—Advertiser's news service.
 10.15 p.m.—Listeners' League concert (continued).
 11 p.m.—G.P.O. chimes and close down.

6WF, PERTH

- 12.30 p.m.—Tune in.
 12.35 p.m.—First local news bulletin.
 Market reports.
 Cables.
 1 p.m.—Time signal from the Perth Observatory.
 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 1.2 p.m.—STUDIO SEPIETTE.
 2 p.m.—Close down.
 2.1 p.m.—Tune in.
 3.35 p.m.—Musical programme.
 4 p.m.—STUDIO TRO.
 4.30 p.m.—Close down.
 4.4 p.m.—Tune in.
 5 p.m.—A playette for the kiddies by Uncle Dufty, with Aunties Kate and Evelyn and Uncle Henry, Leslie, Perry and Duffy.
 5.35 p.m.—Stock and share intelligence.
 Market reports.
 Cables. News supplied by courtesy of "The West Australian" Newspaper Co.
 6 p.m.—Time signal from the Perth Observatory.
 6.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 6.2 p.m.—VARIETY.
 Musical programme.
 6.4 p.m.—Second local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.
 10.40 p.m.—Close down.

Thu., February 24

2FC, SYDNEY

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
 7.5 a.m.—Studio music.
 7.59 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services, commercial news.
 7.25 a.m.—Investment market, mining share market, metal quotations.
 7.55 a.m.—Wool sales, breadstuffs markets, cereals markets, produce markets.
 7.45 a.m.—"Sydney Morning Herald" news service.
 8 a.m.—"Big Ben." Studio music.
 8.15 a.m.—Close down.

MORNING SESSION.

- 8.30 a.m.—Marching music for school children.
 9.40 a.m.—Popular records.
 9.45 a.m.—Last minute sporting information by the 2FC Racing Commissioner.
 10 a.m.—"Big Ben" and announcements.
 10.5 a.m.—Late "Sydney Morning Herald" news service.
 10.15 a.m.—Studio music.
 10.45 a.m.—A Dickens Reading by Mr. A. S. Cochran.
 11 a.m.—"Big Ben." Australian Press Association and Butler's Cable Service.
 11.10 a.m.—Studio music.
 11.30 a.m.—Marching music for school children.
 11.35 a.m.—Close down.

MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
 12.5 p.m.—Stock Exchange, first call.
 12.10 p.m.—Studio music.
 12.45 p.m.—FROM FARMER'S OAK HALL—Instrumental item by the Oak Hall Trio.
 12.50 p.m.—Rugby wireless news.
 12.55 p.m.—Miss Edna Hudson, soprano—"A Farewell" (Lodley).
 1 p.m.—"Big Ben." Weather intelligence.
 1.3 p.m.—Evening News' midday news service. Producers' Distributing Society's Report.
 1.30 p.m.—FROM FARMER'S OAK HALL—Instrumental item by the Oak Hall Trio.
 1.38 p.m.—Stock Exchange, second call.
 1.40 p.m.—Marching music for school children.
 1.40 p.m.—Miss Edna Hudson, soprano: "Come for 'is 'uns" (Foster).
 1.45 p.m.—Studio music.
 1.50 p.m.—FROM FARMER'S OAK HALL—Instrumental item by the Oak Hall Trio.
 1.55 p.m.—Last minute sporting information by the 2FC Racing Commissioner.
 2.10 p.m.—Close down.

AFTERNOON SESSION.

- 2.20 p.m.—The chimes of 2FC.
 2.25 p.m.—Gulio music.
 2.45 p.m.—FROM THE SYDNEY TOWN HALL—The official opening of the Radio and Electrical Exhibition by the Federal Treasurer, the Hon. Dr. Earle Page.
 3.15 p.m.—FROM THE STUDIO—Popular Records.
 3.30 p.m.—Marching music for school children.
 3.40 p.m.—FROM FARMER'S TEA ROOMS—Miss Jessie Hutchison, soprano.
 3.45 p.m.—Instrumental item by the Oak Hall Trio (Leader, Mr. Horace Koala).
 3.55 p.m.—Studio music.
 4 p.m.—FROM FARMER'S TEA ROOMS—Miss Jessie Hutchison, soprano, contralto.
 4.5 p.m.—The Oak Hall Trio.
 4.15 p.m.—Studio music.
 4.20 p.m.—FROM FARMER'S TEA ROOMS—Miss Jessie Hutchison, soprano.
 4.25 p.m.—The Oak Hall Trio.
 4.35 p.m.—Studio music.
 4.40 p.m.—FROM FARMER'S TEA ROOMS—Miss Jessie Hutchison, soprano, contralto.
 4.45 p.m.—Stock Exchange, third call.
 4.45 p.m.—Close down.

EARLY EVENING SESSION.

- 6.40 p.m.—The chimes of 2FC.
 5.40 p.m.—The "Hello Man" talks to the children.
 6.30 p.m.—A story for the older ones.
 6.40 p.m.—Dinner Music.
 7 p.m.—"Big Ben." Late sporting news.
 7.10 p.m.—Dulcety's market reports, wool, wheat and stock.
 7.14 p.m.—Fruit and vegetable markets.
 7.20 p.m.—Weather and shipping intelligence, Stock Exchange information.
 7.25 p.m.—Late "Evening News" news service.

NIGHT SESSION

- 7.45 p.m.—A talk by the Technical Editor of "Wireless Weekly."
 8 p.m.—"Big Ben." FROM THE LYRIC WINTER GARDEN THEATRE—Items by the orchestra, conducted by Mr. Alfred Moulton.
 8.15 p.m.—FROM THE STUDIO—Miss Essie Lasker, contralto—(a) "You in a Gondola" (Clarke).

- 8.19 p.m.—FROM PALING'S CONCERT HALL—a programme by the Sydney Matrigal Society. Deputy Conductor, Mr. Arnold Mote.
 8.44 p.m.—FROM THE STUDIO—A talk by Mr. G. J. Lockley on some old Sydney Book-sellers.

- 8.44 p.m.—Mr. Cy Peir, Ukulele Troubadour—"Just a bird's-eye view" (Donaldson).
 8.48 p.m.—Mr. Brunton Gibb, Educationist, and Miss Ethel Lang—
 (a) "Fishes in" (Arphorpy).
 (b) "Listen—My Mother said"
 (c) "A Family Lullaby" (Gardner).
 9 a.m.—"Big Ben." FROM THE LYRIC WINTER GARDEN THEATRE—Orchestral Items.
 9.16 p.m.—Miss Essie Lasker, contralto—"A Persian song of Spring" (McCarthy).
 9.14 p.m.—FROM PALING'S CONCERT HALL—Items by the Sydney Matrigal Society's Choir.
 9.30 p.m.—FROM THE STUDIO—Mr. Gladstone Bell, Cellist.
 9.35 p.m.—Mr. Brunton Gibb, Educationist, in comedy numbers—(a) "The Scripture Exam" (b) "The Digger's Tale" (Denlie).
 9.47 p.m.—Mr. Howard Steel, Cornet solo (c) "Champion of N.S.W." "Zanzibar" (Code). (d) "The Lost Chord" (Sullivan).
 9.55 p.m.—Miss Essie Lasker, contralto—(a) "Matrigal" (Chaminade). (b) "Advice" (Grove).

- 10.2 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE, George Street, Sydney—Items by the Orchestra, conducted by Mr. Alfred Moulton.
 10.15 p.m.—FROM THE STUDIO—Mr. Brunton Gibb, Educationist and Miss Ethel Lang—(a) "The Grave Diggers" (Arphorpy). (b) "Wedding" (c) "I think of you."
 10.24 p.m.—Mr. Gladstone Bell, Cellist.
 10.25 p.m.—Mr. Cy Peir, Ukulele Troubadour—(a) "How many times" (Berlin). (b) "You're the sweetest thing" (Donaldson).
 10.40 p.m.—FROM THE WENTWORTH HOTEL, SYDNEY—The New Wentworth Symphonic Dance Orchestra, conducted by Mr. Sydney Simpson, in regular numbers.
 10.50 p.m.—Mr. Howard Steel, Cornet solo—"Wendurra" (Code).
 11 p.m.—"Big Ben." The Wentworth Symphonic Dance Orchestra in popular numbers until midnight.
 12 midnight—"Big Ben." National Anthem. Close down.

2BL, SYDNEY

EARLY MORNING SESSION.

- 7.15 a.m.—G.P.O. Clock and chimes.
 7.16 a.m.—Musical programme from the Studio.
 7.19 a.m.—Physical training and health exercises.
 7.25 a.m.—Hints on health.
 7.30 a.m.—Physical training and health exercises.
 7.45 a.m.—G.P.O. Clock and chimes.
 7.46 a.m.—Weather report.
 7.48 a.m.—Sporting information.
 7.50 a.m.—Broadcasters' special news service.
 8 a.m.—G.P.O. Clock and Chimes. Close down.

MORNING SESSION.

- 10 a.m.—G.P.O. Clock and chimes.
 10.1 a.m.—Weather report.
 10.2 a.m.—Musical programme from the Studio.
 10.20 a.m.—News service from the "Daily Telegraph."
 10.25 a.m.—Musical programme from the Studio.
 10.30 a.m.—Ten minutes talk supplied by the N.H.M.A.
 11 a.m.—G.P.O. Clock and chimes.
 11.1 a.m.—News from the "Daily Telegraph."
 11.15 a.m.—Rabbit market report.
 11.17 a.m.—Fish market report.
 11.19 a.m.—Vegetable market report.
 11.21 a.m.—Fruit market report.
 11.23 a.m.—London Dairy Farm, Egg and Poultry market report.
 11.25 a.m.—London Metal quotations.
 11.29 a.m.—Ships in call by wireless.

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SYDNEY

- 11.31 a.m.—Information re Inter-State and Overseas mails.
11.33 a.m.—Shipping Information, arrivals and departures.
11.35 a.m.—WOMEN'S SECTION.
Sporting talk by Miss Gwen Varley, Broadcaster Women's Sports Authority, "Tennis."
11.45 a.m.—Social notes by Mrs. Jordan.
11.50 a.m.—Mrs. Jordan replies to correspondents.
12.0 p.m.—Talk by Mrs. Jordan "Home Crafts."
12.00 p.m.—G.P.O. Clock and chimes.
12.31 p.m.—Sydney Stock Exchange calls.
12.43 p.m.—"Sun" Newspapers news service.
12.45 p.m.—Hillers, Instrumental Quartet—direction Cyril Costling.
1.00 p.m.—G.P.O. Clock and chimes.
1.31 p.m.—Weather report.
1.35 p.m.—Sydney Stock Exchange calls.
1.36 p.m.—News from the "Sun."
1.45 p.m.—Musical programme from the Studio.
2 p.m.—G.P.O. Clock and chimes. Close down.

AFTERNOON SESSION

- Teasing information broadcast by courtesy of the "Sun."
2 p.m.—G.P.O. clock and chimes.
2.1 p.m.—Weather report and forecast.
2.3 p.m.—Social notes from the "Sun."
2.39 p.m.—News from "Sun."
3.15 p.m.—Musical programme from the Studio.
3.30 p.m.—G.P.O. clock and chimes.
3.41 p.m.—Country Women's Session.
3.45 p.m.—Musical programme from the Studio.
4 p.m.—G.P.O. clock and chimes.
4.1 p.m.—News from the "Sun."
4.15 p.m.—Social story.
4.30 p.m.—Musical programme from the Studio.
4.45 p.m.—Producers' Distributing Society's vegetable and fruit market report.
4.50 p.m.—Shipping information when available.
4.52 p.m.—Day's racing resume on race days.
4.55 p.m.—News from the "Sun."
4.58 p.m.—Resume of night's programme.
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.—Uncle George and the Kiddies.
5.48 p.m.—Musical programme from the Studio.
Ch's report.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. clock and chimes.
Australian Mererattle, Land, and Finance Ch's report.
Weather report and forecast by courtesy of the Government Meteorologist.
Stock Exchange reports.
Producers' Distributing Society's vegetable and fruit market report.
Grain and fodder report ("Sun").
Dairy produce report ("Sun").
7.15 p.m.—Country news from the "Sun."
7.20 p.m.—Talk on "Good Motion Pictures" by Mr. J. O'Donoghue.
8 p.m.—G.P.O. Clock and chimes.
Broadcaster's Topical Chorus.
8.15 p.m.—Miss Ella Goodman, soprano.
8.18 p.m.—Mr. Lance Jeffere, tenor.
8.3 p.m.—From the Radio Exhibition, Town Hall.
Mr. Jack Wright, jazz pianist.
8.25 p.m.—Miss Maizie Barnett, contralto.
8.27 p.m.—Mr. Douglas Graham, Scotch comedian.
8.39 p.m.—Mr. David Smith, baritone.
8.46 p.m.—Neil Crane and Alf. J. Lawrence.
9.1 p.m.—Miss May Menzies, soloist.
9.5 p.m.—Mr. Douglas Graham.
9.16 p.m.—From the Studio.
Mr. Lance Jeffere.
9.24 p.m.—Miss Billie Davis, soprano.
9.30 p.m.—Resume of following day's programme.
Weather report and forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.

9.25 p.m.—Miss Ella Goodman.
 9.45 p.m.—Miss Mairie Barnett.
 9.45 p.m.—Miss May Nanterrow.
 9.57 p.m.—Mr. David Smith.
 10.4 p.m.—Mr. Lance Jeffery.
 10.8 p.m.—Miss Billie Davis.
 10.15 p.m.—The Ambassadors Dance Band
 broadcast from the ballroom of the Amba-
 sadors. During the intervals between dance
 news reports by courtesy of the "Globe" will
 be broadcast.
 12 midnight—G.P.O. clock and chimes,
 National Anthem.

2GB, SYDNEY

MORNING SESSION.
 CHEERID HOUR, Conducted by Mr.
 J. W. POWELL.

9.00 a.m.—Music.
 9.25 a.m.—"Cheerid" Talk.
 9.50 a.m.—Song.
 10.5 a.m.—Heath Talk.
 10.15 a.m.—Music.
 10.20 a.m.—Children.
 10.30 a.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—Music.
 3.45 p.m.—Humanitarian Movements in Series.
 4.15 p.m.—Music.
 4.5 p.m.—News from everywhere for Women.
 4.20 p.m.—Music.
 4.30 p.m.—Close down.

3LO, MELBOURNE

MIDDAY SESSION.
 DREW AND ROMAINE, Two Boys and a
 Piano.

JACK DUNNE, baritone.
 MAGGIE FOSTER, alto.
 MILES HASTINGS, clarinetist.
 HUXHAM'S SELENADERS.

THE STUDIO ORCHESTRA.
 Announcement—ALFRED ANDREW
 Accompanist—AGNES FAULTINE
 "EVERYBODY HAPPY"

12 noon—Time Signal, British Official Wire-
 news from Rugby, Reuters and the
 Australian Press Association Cable.
 "Arms" and "Herald" news service.

12.15 noon—Stock Exchange information.
 12.20 noon—DREW AND ROMAINE will tell
 you about "The Weather."

12.30 noon—STUDIO ORCHESTRA
 Overture: "Magic Flute" (Mozart).
 12.40 noon—JACK DUNNE, baritone.

"The Eyes of Gray" (Motown).
 "The Night Kissers" (Aranda).
 12.45 noon—MAGGIE FOSTER, alto.

"Amie Laurie."
 "When You and I were young, Maggie."

12.54 noon—MILES HASTINGS, clarinetist.
 "Tanzaki at the Wedding."

1.00 p.m.—STUDIO ORCHESTRA.
 "A Night in Japan" (J. H. Johnson).

1.11 p.m.—Meteorological information, Stock
 Exchange information, Wireless Telegrams
 for Victoria, Queensland, South Australia and
 New South Wales.

1.29 p.m.—HUXHAM'S SELENADERS.
 Quartet: "John Gil".
 EDITH HUXHAM, HOLLY BURDETT,
 BERN MILLAR, and HUGH HUXHAM.

Dance Solo: "Go to Sea."
 BERN MILLAR.
 STUDIO ORCHESTRA.

"Hula Aboriginal," Part I (8 Loans),
 Quartet, "The Jubilee" (Huxham).
 THE SELENADER QUARTET.

Solo: "Beach and Baiter."
 EDITH HUXHAM.
 STUDIO ORCHESTRA.

"Hula Aboriginal," Part 2 (8 Loans),
 Quartet.
 "Greetings to Sydney" (Strauss).
 THE SELENADER QUARTET.

4.0 p.m.—JACK DUNNE, baritone.
 "The Old Plugged Pipe" (Aranda).
 "At Darning."

4.2 p.m.—STUDIO ORCHESTRA.
 "An Irish" (Columba).
 4.30 p.m.—Close down.

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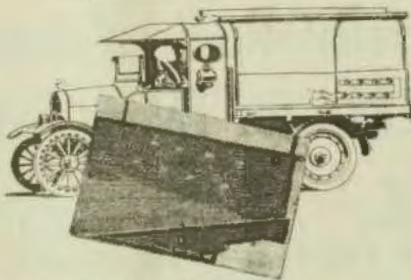
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D.L.5.	Detector-Amp.	5	·25	45 to 135	U.X. Base	12/-
D.L.7.	Heavy Duty Amp.	5	·5	135	U.X. Base	24/-

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AFTERNOON SESSION.

- Speaker: MISS FRANCES FRASER.
THE STUDIO ORCHESTRA.
DOROTHY NEIGHBOR, soprano.
OSBURN AND FERRYER.
JONES AND HAINE.
Accompanist ----- AGNES FORTUNE
Announcer ----- ALFRED ANDREW
"PILLA-BHADNY-PIKSI-PIKOSIS."
2 p.m.—STUDIO ORCHESTRA:
Selection, "Bohemian Girl" (Ballet).
2:10 p.m.—DOROTHY NEIGHBOR, soprano
"Love is a Kereband" (Chorus).
"I Love the Moon" (Rhapsody).
2:15 p.m.—OSBURN AND FERRYER in
Fleekers of Fun.
2:20 p.m.—STUDIO ORCHESTRA:
"Bismarck's Tillet Music" (Schubert).
2:30 p.m.—JONES AND HAINE, The White
Barrel:
Song: "Skating."
Duet: "Justime Dinnertime Band."
Humor: Parody, "Irish Melody."
2:35 p.m.—DOROTHY NEIGHBOR, soprano:
"Maarita Song" (Pavane).
"Pale Beauty" (Flood).
2:40 p.m.—STUDIO ORCHESTRA:
"Prelude in G Sharp Minor"
(Bachmanoff).
4 p.m.—Miss FRANCES FRASER:
"Some Old Norse.".
4:20 p.m.—STUDIO ORCHESTRA:
"Allegro Song" (Kotoku).
"Lullaby" (Kotoku).
4:30 p.m.—"Herald" news service, Stock Ex-
change information.
4:40 p.m.—EVENSING, transmitted from St.
Paul's Cathedral.
5 p.m.—Close down.

EVENING SESSION.

- 5:45 p.m.—CHILDREN'S HOUR. Answers to
letters and birthday greetings.
6:00 p.m.—MILK FOSTER, violin:
"My Old Kentucky Home."
"Rocky Adair."
6:2 p.m.—"MARY GUMLEAF" Poem.
"I Like Best the Best."
"Pussy Lorraine."
Sings for the little ones:
"The Blankets."
6:15 p.m.—DEW AND ROMAINE are long-
ing to tell the children a few funny stories.
6:20 p.m.—"MARY GUMLEAF" Story for the
"Happy and Art."
"Handy King of Mute."
6:35 p.m.—"Aragus" and "Herald" news ser-
vices. Weather synopsis. Shipping move-
ments.
6:40 Stock Exchange information.
6:52 p.m.—Fish market reports by J. B. Bos-
well, Ltd.
6:55 p.m.—River reports.
6:59 p.m.—Market reports by the Victorian
Central Citrus Association Pty., Ltd., of
Orange and Lamona. Market reports by
the Victorian Producers' Co-operative Co.,
Ltd. Haymarket sheep sales. Haultry,
Grain, Straw, Hay, Jute, Dairy Produce,
Potatoes and Onions. Fruit market reports
by the Victorian Wholesale Producers'
Association, compiled by the "Fruit World,"
exclusive to B.O.

NIGHT SESSION.

- Speaker: Mr. EDWARD HANLEY.
Mr. E. M. PASCOE.
Miss NELLIE STEWART.
JOE ARONSON AND HIS SYNCOMPATING
SYMPHONISTS.
DOROTHY NEIGHBOR, soprano.
W.J. HILL, humorist.
MILLS HASTING, educational.
JACK DINKY, satirist.
Accompanist ----- AGNES FORTUNE
Announcer ----- MAURICE DUDLEY
7:10 p.m.—Mr. EDWARD HANLEY:
"Back to Port Fairy."
7:30 p.m.—Mr. E. M. PASCOE:
"Howls."
7:45 p.m.—Miss NELLIE STEWART (Sweet
Neil of Old Drory) will tell you some of
her experiences.
"His name is Joe—not homo—but what's
in a name?
A rose by any other name would smell
as sweet,
And Joe does know how to tickle up your
feet."

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- 8 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"Back to Where the Daffodils Grow."
"Honey Bunch."
"My Girl has Eye Trouble."
- 8.10 p.m.—DOROTHY NEIGHBOR, soprano:
"Night of Stars and Night of Love"
(Offenbach)
- 8.14 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"Crazy, Quill."
"I do."
Waltz, "Hush-a-bye."
- 8.24 p.m.—WILL HILL, humorist:
"Don't Look at Me."
- 8.28 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"Warms so back again Blues."
"Adorable."
"Calling."
- 8.32 p.m.—MILES HASTINGS:
"The Play" (G. J. Dennis).
- 8.46 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"Hello Aloha."
"Pacifica Alley."
"Walking round in Circles."
- 8.50 p.m.—WILL HILL, humorist:
"A Big Eye to See."
- 9 p.m.—JOE ARONSON AND HIS SYMCO-
PATING SYMPHONISTS:
"Beats a Silvery Stream."
Waltz, "Twilight."
"Let's Talk About My Sweeney," soprano.
- 9.10 p.m.—DOROTHY NEIGHBOR, soprano:
"Ship that Pass in the Night" (Stephenson)
- 9.14 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"When the Red, Red Robin."
"Kathika."
"Moonlight on the Ganges."
- 9.24 p.m.—MILES HASTINGS, elocutionist:
"Mouth of Life" (G. J. Dennis)
- 9.32 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"Hi Ho the Merryo."
Waltz, "A Night of Love."
"Dramatic of Castles in the Air."
- 9.42 p.m.—WILL HILL, humorist:
"Allee, Where be She?"
- 9.46 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"On the Riviera."
"Dose on the Pison."
"Roses."
- 9.50 p.m.—JACK DUNNE, baritone (by per-
mission of J. C. Williamson, Ltd.):
"Just a Cottage small."
- 10 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"Jennison and Berry."
"Oh! Miss Hannah."
"That's Why I Love You."
- 10.12 p.m.—British (official) Wireless news
from Rugby. Sporting notes by "Olympus."
"Area" news. Weather forecast.
- 10.22 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"How Could Red Riding Hood."
"Prechaus."
Waltz, "Say that you Love Me."
- 10.32 p.m.—JACK DUNNE, baritone:
"I Don't Believe it."
- 10.40 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"Hareolung."
"Schmidt is Back Again."
"To-night's My Night with Baby."
- 10.50 p.m.—DOROTHY NEIGHBOUR, soprano:
"Pipes of Pan."
- 10.54 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"St. Louis Blues."
"Give me Today."
"When I'll be Happy."
- 11 p.m.—OUR GREAT THOUGHT:
"A fresh mind keeps the body fresh.
Take in the ideas of the day, drain off those
of yesterday."—Rufus Lytton.
- 11.1 p.m.—JOE ARONSON AND HIS SYM-
COPATING SYMPHONISTS:
"Laughing at the Ivories."
"Pearl of Malabar."
Waltz, "In a Little Spanish Town."
"Hill diddle, diddle."
"Hill Tomerony."
"Beside a Garden Wall."
"Hollering."
"Pender."
- 11.40 p.m.—GOD SAVE THE KING.

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4QG, BRISBANE

MIDDAY SESSION

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

1.25 p.m.—From Hotel Carlton, Insoch Music from the Lounge, Hotel Carlton, played by Hotel Carlton Symphonic Orchestra.

1.50 p.m.—From the Observatory, standard time signal.

2 p.m.—Close down.

AFTERNOON SESSION

2.30 p.m.—A programme of music from the studio. (a) Italian, (b) "Bob Noyes" (Ferrara) (Macklow) Acoustic Vocalion selection.

(c) Vocal, "Gather Your Smiles" (Kortlander) Billy Mayerl and His Orchestra, (d) Operatic "L'oiseau and Berry" (Davis) Miss Betty Brady, Duo Art selection, "Aches of Pains" (Goldbeck) Acoustic Vocalion selection.

(e) Italian, (f) "Bob Noyes" (Ferrara) (Macklow) Acoustic Vocalion selection, (g) Vocal, "Western Wind" (Heath) Miss Ethel Hush, Duo Art selection, "Value in K-Ball" (D'Amico) Acoustic Vocalion selection, (h) orchestral "March" (Hengeler) (Berlioz) Acoustic Orchestra, (i) Vocal solo, "The Windmill" (Nelson) Mr. Andrew McLean.

(j) Vocal, (k) Vocal, (l) "Merzinger's" (Dance) (German) Acoustic Vocalion selection, (m) Vocal, "Let's Make Up" (D'Amico) Paige Specialty Orchestra, (n) solo "Marschaba" (Daxler), Giuseppe Orlandi.

4.15 p.m.—"The Telegraph" news.

4.30 p.m.—Close down.

EVENING SESSION

8 p.m.—Daily Standard news Announcements.

8.30 p.m.—Radio stories by "The Sandman".

9 p.m.—Market reports, stock reports, Lew. Griffiths—Merino Sheep in Queensland—K. & A. of a week by Mr. W. G. Brown (Electronics) (H. Sherrin and Wool).

9.30 p.m.—Weather news, Announcements.

10 p.m.—Standard time signal.

NIGHT SESSION

11.15 p.m.—Lecture series: A talk on books by Mr. W. A. Brandes (Melbourn Bookstore).

CHORAL RECITAL

The first portion of to-night's programme will comprise a recital by the Choir of the City Tabernacle (tabernacle, Mt. Sion) (May).

8 p.m.—From the City Tabernacle, Hymn, "Calm Restless" chorale, "Behold the Lamb of God" (Handel) air, "He was Despoiled" (Handel) chorale, "Berce" (H. Hahn) horns, "The Grange" (Handel) part-song, "Beano" (Handel) anthem, "Sod Ye the Lord" (Haber) chorale, "O, Glorious Light" (Handel) hymn, "The Religion" (Handel) chorale, "Hear My Prayers" (Mendelssohn) anthem, "Morning and Evening" (Grove) chorale, "Maiden Chorus" (Grove) chorale, "Eternity" (Handel) chorale.

9 p.m.—From the British Metropolitan with their chorale.

BAND CONCERT

8.25 p.m.—March "The Liberator" (Marchall), the West End Salvation Army Band, solo, "The End of the Night" (Conter) Miss Mildred Bell, soprano and organ, horns, drums, "Waltzmann, Waltz" (The Night) (Herscott) Band Secretary L. Berghofer and Bandman E. Berghofer, solo, "Lead Bibbly Light" (Bandman W. Pratt), soprano solo, "Hungry Bones" (The Band) Mrs. R. G. Allen, soprano, "Belle Brains" (The West End Salvation Army Band) contralto solo, "A House Among" (Organ) Miss Vera Parker, soprano solo, selected, Bandman S. Woodland, tenor, "Nearer My God to Thee" (Band Glee Party) soprano solo, "The Fairy Piper" (Bergner) Mrs. R. G. Allen, contralto solo, selected, Bandmaster G. Woodland, solo, "I Never Knew" (Bandman), Bandman W. Pratt, vocal quartette, "Anchored" (Band) Quartet Party, contralto solo, "Blue Bell" (Band) Miss Mildred Bell, selection, "Conrad in Arms" (The West End Salvation Army Band) contralto solo, "God's Blessing" (Johnson) Miss Vera Parker, soprano, selected, Band Glee Party, hymn—(a) "Flare Hazed the Tempest," (b) "Fanny Crooked Piper" march, "Flag of Freedom" (Conter) the West End Salvation Army Band.

10.30 p.m.—"The Daily Mail" news. Weather news. Close down.

SCL, ADELAIDE

MORNING SESSION.

11.30 a.m.—G.P.O. chimes.
 11.31 a.m.—Stock Duo Art number.
 11.40 a.m.—"Advertiser" news service.
 11.54 a.m.—Vocallon number.
 12 noon.—G.P.O. chimes.
 12.1 p.m.—"Advertiser" news service.
 12.18 p.m.—Stock Duo Art number.
 12.20 p.m.—Stock Exchange reports, official weather synopsis and station announcements.
 12.30 p.m.—G.P.O. chimes.
 12.31 p.m.—Studio Orchestra—Overture "Raymond"; waltz "When it's twilight on Missour"; fox trot "Ezy-bye, black bird" selection; "La Traviata Moll"; "Dreams of yesterday"; violin solo, "Czardas" (optional); "Matador"; serenata "Mondsicht Rio de Janeiro"; final, "Cairo."
 2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. chimes.
 3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral numbers.
 3.48 p.m.—From the Studio—Stock Duo Art and Vocallon numbers.
 4 p.m.—G.P.O. chimes.
 4.1 p.m.—Relay from the Arcadia Cafe—Orchestral numbers.
 4.35 p.m.—Stock Exchange reports, general information and station announcements.
 5 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

6.10 p.m.—G.P.O. chimes.
 6.31 p.m.—Stock Duo Art.
 6.36 p.m.—Bedtime stories.
 7.15 p.m.—Health talk by Mr. A. M. Whittenbury.
 7.30 p.m.—Reports.
 7.45 p.m.—Poetry talk by Mr. A. M. Whittenbury.
 8 p.m.—G.P.O. chimes.
 8.1 p.m.—Studio Orchestra.
 8.10 p.m.—Solo, Miss A. Moyle.
 8.14 p.m.—Studio Orchestra.
 8.22 p.m.—Solo, Mr. Ken Hughes.
 8.26 p.m.—Studio Orchestra.
 8.36 p.m.—Solo, Miss Gwen Collett.
 8.40 p.m.—Organ, solos relayed from Parkside Baptist Church.
 8.58 p.m.—Solo, Mr. Lionel Clarke.
 9 p.m.—G.P.O. chimes.
 9.1 p.m.—Weather report.
 9.2 p.m.—Debate's wheat report.
 9.3 p.m.—Studio orchestra.
 9.14 p.m.—Solo, Miss A. Moyle.
 9.17 p.m.—Studio Orchestra.
 9.24 p.m.—Solo, Mr. Ken Hughes.
 9.28 p.m.—Organ solos relayed from Parkside Baptist Church.
 9.45 p.m.—Solo, Miss Gwen Collett.
 9.50 p.m.—Studio Orchestra.
 9.56 p.m.—Solo, Miss A. Moyle.
 10 p.m.—G.P.O. chimes.
 10.1 p.m.—"Advertiser" news service.
 10.15 p.m.—Studio Orchestra.
 10.25 p.m.—Solo, Mr. Ken Hughes.
 10.30 p.m.—Studio Orchestra.
 10.40 p.m.—Solo, Miss G. Collett.
 10.45 p.m.—Studio Orchestra.
 10.50 p.m.—Solo, Miss A. Moyle.
 10.55 p.m.—Studio Orchestra.
 11 p.m.—G.P.O. chimes and close down.

**Friday, February 25
 2FC, SYDNEY**

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.
 7.5 a.m.—Studio music.
 7.10 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services, commercial news.
 7.35 a.m.—Investment market, mining share market, metal quotations.
 7.55 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.
 7.45 a.m.—"Sydney Morning Herald" news service.



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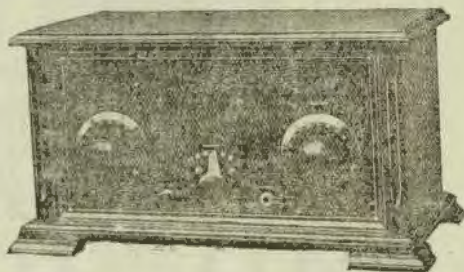
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THIS is a Receiver which gives highly satisfactory Loud Speaker Reception up to a distance of 50 miles. For greater distances, only phone reception is guaranteed. The two valves provided act as Detector and one stage of Audio Frequency Amplification. Finished in a nicely polished Maple Cabinet—of dimensions 18in. x 10in. by 10in. deep and complete with 2 valves, 4 volt 40-amp. Accumulator, Brandes' Table Talker, 60-volt High Tension B. Battery, Aerial and earth wire, Battery Connections, Lightning Arrester Insulators.

Cash Price	Deposit	Weekly
£16 10 0	£3 8 0	6/6

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This Receiver is very similar to the above Two-Valve Colmovox, but in addition has one extra stage of Audio Frequency Amplification, which enables it to give highly satisfactory Broadcast Loud Speaker Reception over distances of 500 miles. Finished in a nicely polished Maple Cabinet, 21in. x 10in. by 10in. deep and complete with 3 valves, 4-volt 40-amp. Accumulator, Brandes' Table Talker Speaker, 64-volt High Tension Battery, Aerial and Earth Wire, Battery Connections, Lightning Arrester and Insulators.

Cash Price	Deposit	Weekly
£20 10 0	£5 0 0	8/9

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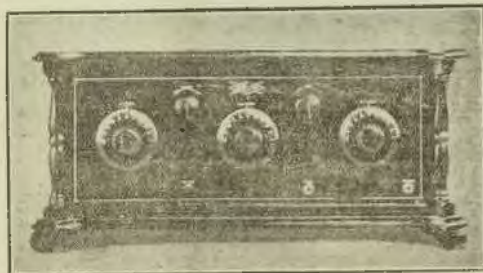
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COLMOVOK

8.30 a.m.—"Big Ben" Studio music.
 8.45 a.m.—Close down.
MORNING SESSION.
 9.30 a.m.—Waking music for school children.
 9.40 a.m.—Popular records.
 9.50 a.m.—Piano-forte reproduction on the "Hasting" Player Piano.
 10.00 a.m.—The "Red" and announcements.
 10.15 a.m.—Late "Sydney Morning Herald" news service.
 10.25 a.m.—Studio music.
 10.40 a.m.—A morning reading.
 11.00 a.m.—"Big Ben" Australian Press Association and Butler's Cable Services.
 11.15 a.m.—Studio music.
 11.25 a.m.—A talk on home cooking and recipes by Mrs. Betty Pyle.
 11.30 a.m.—Marching music for school children.
 11.45 a.m.—Close down.

MIDDAY SESSION.
 12.00 p.m.—"Big Ben" and announcements.
 12.10 p.m.—Stock Exchange's first call.
 12.15 p.m.—Studio music.
 12.25 p.m.—FROM FARMER'S OAK HALL.—Instrumental items by the Oak Hall Trio.
 12.30 p.m.—Bully for "The News."
 12.40 p.m.—Miss Genevieve Engel, soprano.
 1.00 p.m.—"Big Ben" Weather intelligence.
 1.10 p.m.—"Evening News" midday news service.—Producers' Distributing Society's Report.
 1.20 p.m.—FROM FARMER'S OAK HALL.—Instrumental items by the Oak Hall Trio.
 1.25 a.m.—Song.—Exchange second call.
 1.30 p.m.—Marching music for school children.
 1.40 p.m.—Miss Genevieve Engel, soprano.
 1.45 p.m.—Studio music.
 1.50 p.m.—FROM FARMER'S OAK HALL.—The Oak Hall Trio.
 1.55 p.m.—"Big Ben" Close down.

AFTERNOON SESSION.
 2.30 p.m.—Announcements.
 2.35 p.m.—Vocal recital by the pupils of Miss Mabel Hatcher.
 2.45 p.m.—Mr. G. H. Boyden—"Gibraltar, the Sentinel of the Mediterranean."
 2.55 p.m.—Further items from the recital arranged by Miss Mabel Hatcher.
 3.05 p.m.—Machine music for school children.
 3.15 p.m.—FROM FARMER'S TEA ROOMS.—Miss Kathleen Stubbins, mezzo.
 3.25 p.m.—The Oak Hall Trio.
 3.35 p.m.—Studio music.
 3.45 p.m.—FROM FARMER'S TEA ROOMS.—Miss Peggy Dunbar, contralto.—The far away bells' chorale.
 3.55 p.m.—A vocal solo by Mr. Stewart Campbell.
 4.05 p.m.—FROM FARMER'S TEA ROOMS.—Miss Kathleen Stubbins, mezzo.
 4.15 p.m.—The Oak Hall Trio.
 4.25 p.m.—Studio music.
 4.35 p.m.—FROM FARMER'S TEA ROOMS.—Miss Peggy Dunbar, contralto.—What a wonderful world' (light).
 4.45 p.m.—Studio music, third call.
 4.55 p.m.—Close down.

EARLY EVENING SESSION.
 6.47 p.m.—The "Hello Man" talks to the children, Chinese.
 6.50 p.m.—A Story for the older ones.
 6.55 p.m.—FROM FARMER'S OAK STUDIO.—Vocal and instrumental items.
 7.05 p.m.—FROM THE STUDIO.—Live public meeting information by the EFC Reading Committee.
 7.10 p.m.—Duggan's market reports, wool, wheat and maize.
 7.15 p.m.—Fruit and vegetable markets.
 7.20 p.m.—Weather and shipping intelligence.—Stock Exchange information.
 7.25 p.m.—Late "Evening News" news service.

NIGHT SESSION.
 7.40 p.m.—Programme announcements.
 7.45 a.m.—Miss Josephie Beattie, mezzo-soprano John Haxton, of the Gilbert and Sullivan Company, at his Dressing Room at the Theatre Royal.
 8.00 p.m.—"Big Ben" FROM THE LYCEUM THEATRE.—Items by the Orchestra.
 8.15 p.m.—FROM THE STUDIO.—Mr. Walter Hunt and Miss Eva Warburton, in a One Act Play.
 8.25 p.m.—Miss Jessie Bartlett, mezzo—"Put's Darning Song" (James).

8.30 p.m.—Mr. Herbert Walton, in a few merry moments (by permission of J. C. Williamson).
 8.35 p.m.—Mr. Syd Smith, the final instalment of the story of the Australian Celebrated Tour of England.
 8.45 p.m.—Mr. Frank Lewis, trombone solo—"Oh, Crispin" (Hoexter).
 8.50 p.m.—Miss Jessie Bartlett, mezzo—"Maui Lullaby" (James).
 9.05 p.m.—FROM THE LYCEUM THEATRE.—Orchestral items.
 9.15 p.m.—FROM THE STUDIO.—Mr. Walter Hunt and Miss Eva Warburton, in a One Act Play.
 9.25 p.m.—FROM THE LYCEUM THEATRE.—Vocal Act.
 9.35 p.m.—FROM THE STUDIO.—Mr. Herbert Walton, in a few merry moments.
 9.45 p.m.—Mr. Sydney Calland, baritone: (a) "Wait for Me" (Matheson). (b) "Little Irish Girl" (Lynn).
 9.55 p.m.—The Whitechapel Trio, in popular numbers.
 10.05 p.m.—"Big Ben."
 10.15 p.m.—Miss Jessie Bartlett, mezzo—"Mary Rose" (De Bary).
 10.25 p.m.—Mr. Walter Hunt and Miss Eva Warburton, in a Comedy in One Act.
 10.35 p.m.—Mr. Frank Lewis, trombone solo: (a) "Bank of New Zealand" (Robham). (b) "The Village Blacksmith" (Wiles).
 10.45 p.m.—FROM THE LYCEUM THEATRE.—Orchestral items.
 10.55 p.m.—FROM THE STUDIO.—Popular numbers by the Whitechapel Instrumental Trio.
 10.55 p.m.—Mr. Sydney Calland, baritone: (a) "Never Know" (Hall). (b) "Deli del Fabier" (French).
 10.55 p.m.—The Whitechapel Trio, in popular dance numbers.
 11.05 p.m.—"The Red" and announcements.
 11.15 p.m.—New Westworth Symphonic Dance Orchestra, under the baton of Mr. Sydney Simpson, will play until midnight.
 11.20 p.m.—"Big Ben" National Anthem.
 Close down.

Sat., February 26
 2FC, SYDNEY

EARLY MORNING SESSION.
 7.30 a.m.—"Big Ben" and announcements.
 7.45 a.m.—Studio music.
 7.55 a.m.—Official weather forecast, rainfall, temperatures, astronomical measurements, shipping intelligence, mail services, commercial news.
 8.05 a.m.—Investment market, mining share market, stock quotations.
 8.15 a.m.—Wool sales, handuffs markets, Inter-State markets, produce markets.
 8.20 a.m.—"Sydney Morning Herald" news service.
 8.25 a.m.—"Big Ben" Studio music.
 8.35 a.m.—Close down.

MORNING SESSION.
 9.30 a.m.—Studio music.
 9.40 a.m.—"Big Ben" and announcements.
 9.55 a.m.—Late "Sydney Morning Herald" news service.
 10.05 a.m.—Studio music.
 10.15 a.m.—A morning reading.
 11.00 a.m.—"Big Ben" Australian Press Association and Butler's Cable Services.
 11.10 a.m.—Studio music.
 11.15 a.m.—A catch on gardening by Mr. G. J. Lockley ("Redburn").
 11.20 a.m.—Close down.

MIDDAY AND AFTERNOON SESSION.
 12.00 p.m.—Musical items from the studio.
 1.00 p.m.—"Big Ben" Weather intelligence.
 1.05 p.m.—"Evening News" midday news service.
 1.20 p.m.—Music from the studio.
NOTE. Warwick Farm race results will be transmitted as received throughout the afternoon.

3.00 p.m.—"Big Ben" and announcements.
 3.15 p.m.—Musical items from the studio and items from the Wentworth Cafe by the new Wentworth Symphonic Dance Orchestra conducted by Mr. Sydney Simpson.
 3.40 p.m.—Announcing a programme to be given at the Sydney Town Hall in connection with the Radio and Electrical Exhibition.
 3.45 p.m.—"Big Ben" Chimes.
 3.50 p.m.—Mr. Alf Treman and his orchestra: (a) "How could Red Riding Hood" (Randolph). (b) "I'd climb the highest mountain" (Brown and Clare).
 3.55 p.m.—Mr. Wilfrid Thomas, basso: (a) "The Gay Highway" (Drummond). (b) "In the Silver Mountains" (Phillips).
 3.57 p.m.—Uncle Ben and "Jerry" in vestri-putial water.
 4.0 p.m.—Alf Treman and his Dance Band: (a) "The Gipsy Man" (Woods). (b) "Adorable" (Wetberley).
 4.0 p.m.—Miss Elsie Peersie, soprano: "Finger Juice" (Carew).
 4.10 p.m.—Mr. Arthur Ash, saxophone solo.
 4.15 p.m.—The "Hello Man" Chimes.
 4.15 p.m.—Mr. Wilfrid Thomas, bass: "Rolling down to Rio" (German).
 4.20 p.m.—Miss Elsie Peersie, soprano: "Finger Wings" (Phillips).
 4.25 p.m.—Alf Treman and his Dance Band: (a) "I wonder where my baby is tonight" (Donaldson). (b) "To-night's my night with Baby" (Meyer).
 Announcer ... MR. A. S. COCHRANE.
 Accompanist ... MR. HORACE KEATS.
 4.40 p.m.—FROM THE STUDIO.—A complete resume of the afternoon's sporting and racing events.
 4.45 p.m.—Close down.

EARLY EVENING SESSION.
 6.45 p.m.—Chimes of 2FC.
 6.50 p.m.—The "Hello Man" talks to the children.
 6.55 p.m.—A Story for the older ones.
 7.00 p.m.—Dinner music.
 7.05 p.m.—A complete resume of the day's sporting events.
 7.10 p.m.—Weather intelligence.
 7.15 p.m.—Late "Evening News" news service.

NIGHT SESSION.
 7.40 p.m.—Programme announcements.
 7.45 p.m.—Popular records.
 7.50 p.m.—Note.—During the evening results will be transmitted direct from the Speedway Royal, Sydney.
 8.00 p.m.—Miss Margaret James, soprano.
 8.05 p.m.—Mr. Lionel Lawson, violinist.
 8.10 p.m.—Miss Margaret James, soprano.
 8.15 p.m.—FROM THE SYDNEY TOWN HALL.—A programme specially arranged for the Radio and Electrical Exhibition, by 2FC.
 "Big Ben" Chimes.
 8.18 p.m.—The 2FC Studio Dance Band, conducted by Mr. Eric Peares, and Mr. Len Maurice, popular baritone.
 8.20 p.m.—Mr. Alfred Cunningham, baritone: "The Jolly Sailor" (Sauter).
 8.25 p.m.—Mr. Alfred Cunningham, baritone: "The Tom Sawyer" (Sanderson).
 8.27 p.m.—Mr. A. P. Kelly, current solo: "Le Reve d'Amour" (Millyar).
 8.34 p.m.—Mr. Charles Lawrence, entertainer.
 (a) "Scenes."
 (b) "Canel and Ass."
 8.40 p.m.—Mr. Harrison White and his Bands: (a) Fox Trent "Bye, Bye Blackbird." (b) Southern Melodius (imitating voices on strings).
 8.45 p.m.—Mr. Alfred O'Shea, Australia's foremost tenor: "Salut Demouré Chanté à pure" ("Faust") (Gossett).
 8.55 p.m.—The 2FC Studio Dance Band in popular numbers.
 9.0 p.m.—Miss Virginia Dassetil, contralto: (a) "Kerry Dance" (Molloy). (b) "Daddy Day" (Wetberley).

All Readers' Queries Answered Here

8.16 p.m.—Mr. Harrison White and his Banjo Band: "That Night in Araby."

9.14 p.m.—FROM THE STUDIO:
Mr. Alfred Cunningham, baritone:
(a) "Sea Fever" (Deane);
(b) "Daisy" (McGill).

9.22 p.m.—Mr. Lionel Lawson, violinist.

9.23 p.m.—Mr. Alfred O'Shea, tenor:
(a) "A Dream" (Barbelle);
(b) "I Hear a Lark at Eve" (Gadnow).

9.30 p.m.—The JFC Studio Dance Band and the popular ballroom, Mr. Len Maurice.

9.42 p.m.—Miss Virginia Stasconi, contralto:
(a) "Faster Hymn" (Stridge);
(b) "None but the Lonely Heart" (Teighmeyer).

9.55 p.m.—Mr. Harrison White and his Banjo Band: "One Step, 'The Black Hand Parade'" (Jefferys).

10 p.m.—G. Charles Lawrence, entertainer:
(a) "The Celebrator" (Chesney);
(b) "Our new Flut" (Jackson).

10.10 p.m.—Mr. Arthur Ash, flute solo.

10.15 p.m.—Late sporting news and announcements.

10.18 p.m.—Mr. E. P. Garry, cornet solo: "Stars of Valves" (Alaska).

10.25 p.m.—The JFC Studio Dance Band, conducted by Mr. Ken Pearce.

10.40 p.m.—Mr. Len Maurice, popular tenorist.

10.45 p.m.—FROM THE WESTWORTH
CAPE, SYDNEY. Items by the Westworth
Synthetic Dance Orchestra until midnight.

11 midnight—"Big Ben," National Anthem.
Close down.

J. T. (SMYTHFIELD).—Q: I am constructing the Marvel Notes described in the last issue of "Wireless Weekly," and overwinding has gone without a hitch until I came to winding the coils. I have completed the Aerial-Coil (A) satisfactorily, but the winding of the primary of the Valvetronal Coil has puzzled me. I wound on the secondary, issued in it at the 15th turn, leaving 30 turns after it, but there's not much room left on the tube at the end. Then, reading the instructions, it was necessary to wind in turns of No. 30 wire or half an inch of more, but as there are only 20 turns of No. 24 (brass) in, how is this done? Is it wound on jumble fashion?

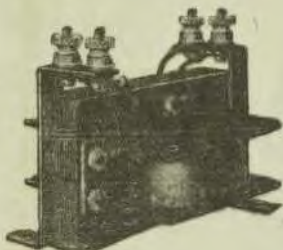
A: The 30 turns D.C. should have had 30 D.C. There is no reason why you should

not continue the primary winding over the top.

T.R.G. (GUILDFORD).—Q: I wish to know if I can charge the "B" battery accumulator described in the issue of 10/11/26, direct from the mains, without the use of a rectifier or other charger, as the current is direct, but alternating. I charge my "A" accumulator in series with a 120 watt lamp at the rate of 1/2 amp. Kindly inform me through your valuable columns, if (a) it could be suitable for charging the "B" accumulator?

A: Charging rate would be too fast. Break down current is 1/2 to 1.15 amp. A rectifier is not necessary where direct current is suitable.

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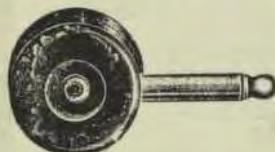
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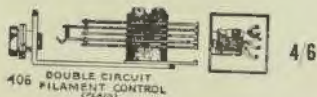
Manufactured by ELECTRICITY METER MFG. CO. LTD., Sydney, N.S.W.

BMS PRODUCTS



JERO QUICK CHANGE PLUG

A good sturdy automatic change plug. Requires no pushing of levers or other manipulation to insert or release the phone cord type. Price 2/9



B.M.S. CONNECTORS

For Extension Cords

B.M.S. Connectors are handy devices for set owners who desire extension cords on the loud speaker. Beautifully moulded and equipped with automatic contacts that require no levers. Price 3/6



B.M.S. SWITCH

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

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

OBTAINABLE AT ALL RADIO DEALERS

187-9 Queen Street,
Melbourne

Amalgamated Wireless
Australasia Ltd.

King and King Building,
Queen Street, Brisbane

97 Clarence Street, Sydney



Price £4 : 15 : 0

Type AR66, a new member of the "Dragon" series. All metal, of patent non-resonant design, and finished in a pleasing chocolate shade. A new and improved lightweight unit is fitted. Superior performance and junior price.



Price £4 : 0 : 0

Type AR58, the inexpensive swan-neck model, with an all metal black crystalline finish and 12 in. trumpet. It affords full volume, and exceptionally natural tone, and gives better results than many loud speakers sold at twice the price.

SEE THESE NEW AMPLION MODELS AT THE RADIO EXHIBITION

— STAND 23 —

AT Stand No. 23 at the Radio and Electrical Exhibition to open at the Sydney Town Hall, on February 25, a complete range of Amplion loud speakers, including the two models illustrated on this page, will be exhibited. Take this opportunity of seeing and hearing for yourself the quality of the Amplion loud speakers. There will be no better instruments at the exhibition.

Remember that the Amplion is made by the actual originators of Loud Speakers, and has not been hastily devised to meet a sudden demand; it represents the highest development in design and construction.

The Amplion is the only "distinctive" loud speaker, inasmuch as it embodies many patented, and therefore exclusive, improvements ensuring superlative performance and providing original features of great value.

The Amplion is sold with a full unconditional and free guarantee, backed by a famous service.

Sole Wholesale Agents:

AMPLION (Australasia) Ltd.

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