

WIRELESS WEEKLY

Broadcast Programmes a Week in advance

VOLUME 9

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NUMBER 22

*Duke of York
to broadcast
March 27th & 29th*

*See
page 11*



Friday, March 25, 1927.

Price Threepence

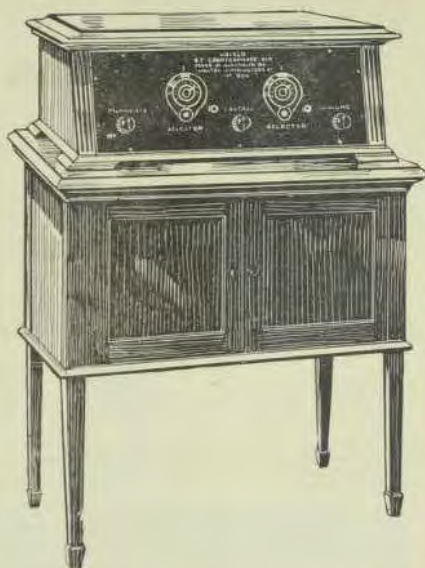
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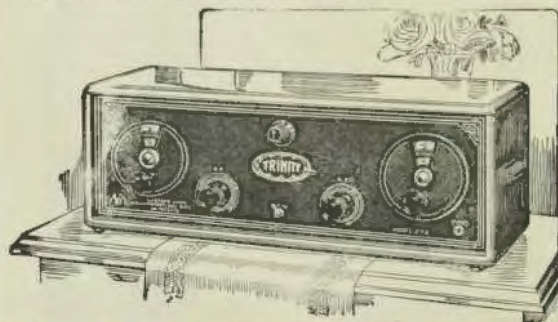
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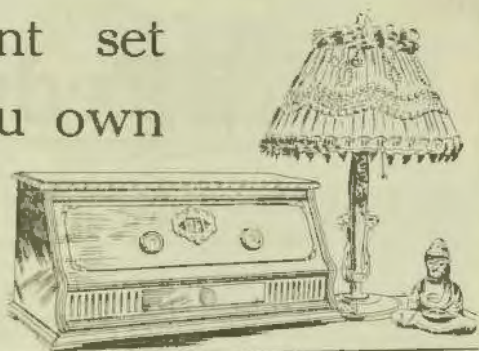
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WIRELESS WEEKLY

VOL. 10, No. 22.

FRIDAY, MARCH 25, 1927.

The Chance of a Lifetime.

IN the newspaper blare of trumpets heralding the arrival of the Duke of York, a few ragged notes have been heard to the tune that the historical broadcasting of the opening of Canberra presents an unequalled opportunity for the radio industry. For broadcasting, the occasion will be unique.

No transmission like it has ever been planned here, and it is not likely that several million Australians will ever again have the chance of hearing the worlds greatest singer, and a son of the King of England, at the opening of the capital city of a continent. Yet it is doubtful whether the radio industry quite realises the magnitude of its opportunity.

Not more than a few thousand people will be present at the opening of Canberra, but every Australian interested in the progress of his country will want to hear what is to be the greatest political event since Federation. There is no reason why he cannot. Four high-power broadcasting stations in four states will be connected up with Canberra, and their combined power of 20,000 watts will enable the broadcast to be heard on the smallest set.

But every man does not know that he can hear this ceremony for not more than two or three pounds. He believes that the operation of a radio set requires special skill which cannot be acquired overnight, and that a radio set is a costly article.

It is the duty of the traders to dismiss this idea, but a visit to a radio firm serves but to confirm his

opinion. He is told that the cheap crystal set is out of date, and unselective, and is introduced to the 1927 hundred-guinea model.

He finds that the purchase of a radio set is like buying a piano or an orthophonic talking machine, and he is frightened away never to swell the ranks of listeners-in that we may have better programmes. It is misleading him to say that the crystal set is out of date, for there is a large percentage of listeners who have used no other receiver for years. Any crystal set will tune in 2FC or 2BL within a 30 or 40 mile radius of those stations, and that is all that is necessary for the man who wishes to tune in the Canberra broadcast.

If the radio trader could see further than his handsome profit on the hundred guinea article, he would have vision enough to take the fullest advantage of this opportunity. He would unite with other traders, and by a general publicity campaign acquaint those people only slightly interested in radio, of the coming broadcast. He would produce a small crystal receiver selling with headphones aerial and licence, for not more than £2 10/-.

In short, he would realise that, by taking advantage of this unique opportunity, he could place in the hands of hundreds of people not at all interested in wireless, a receiver and six months of broadcasting programmes, and it is certain that half of these people would return to him at the end of that time for a larger and better set.

Between You And Me And The Microphone

Conducted by Jack Plugge



MANCHURIA is making a bid for a place in the world's ether by the erection of a high-power wireless station at Mukden, plans for which are being considered by the Mukden Government.

FIGURES for the year 1925, just compiled, show that the total programme hours of the British Broadcasting Corporation were 65,876, giving the average hours per week per station as 59. The average percentage breakdown was 07. Assuming an average year's transmission of 3,000 hours per station, 31 per cent. breakdown represents actually only 18 minutes' break in broadcasting during the whole year.



HOW LONG does a dream last? That has always been a perplexing question, especially when one is falling down the abysmal depths of a bottomless pit. Here is an interesting answer from Mr. L. L. Loring, Ballarat, Vic. He says he had just listened to the last item of a programme broadcast by 3LO, and then fell asleep. He continues:

"While sleeping, I heard someone say 'Melbourne,' and I found myself on a train preparing to get off at Spencer Street station after the train had reached the city. I got off, checked my bag in the cloak room, and found out about my next train from the Man in Grey. I then decided to stop at a hotel for the night. It being my first visit to the city for several years, I walked down Flinders Street to see the sights. I found the city just as I remembered it—warm, windy and dusty.

"Before reaching a hotel it seemed to me I walked a very long way, but I did not mind, for, in fact, I was having a fine time sightseeing. Suddenly I was startled by someone saying 'Goodnight.'

"I jumped up, fully awake, and looked at my watch and found that it was one half minute past 10.40—the end of the programme. So in thirty seconds I had been on a regular trip—in a dream."

A VERY human note is touched in a letter received this week by 2BL from C. P. Wright, of Kangaroo Island, South Australia: "I am taking the liberty of addressing you these few lines in appreciation of your wonderful programmes which are eagerly looked forward to here nightly," says Mr. Wright. "I am stationed at the Lighthouse here and there are two other keepers here also. We have a 5, a 4, and a 2 valve set and as your programmes are so interesting and full of interesting variety such as vocal, instrumental, chats, talks, etc., we enjoy them to the utmost."

THE BROADCAST description of Stewart Dawson's fire in Melbourne on Saturday, March 12, affords a good example of what is likely to happen in the near future with the development of Wireless as a public news agency. This fire happened to be visible from 3LO's Studio, and it was a simple matter for an observer to lean out of a third storey window with a microphone at his elbow and give all those listeners-in who were well home a lunch hour the benefit of hearing about an occurrence that had delayed hundreds more from catching trams and trains.

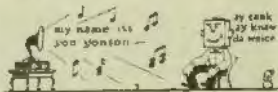
A SIMILAR description was broadcast recently when 4GG was relaying a description of the motor cycle races at the National Speedway. A very large crowd was present and a disturbance occurred in one part of the ground, it being alleged that a young man had been assaulted. Two or three police moved across to arrest another man and a sensational fight ensued. The prisoner made a determined effort to resist arrest and even when brought into the ring put up a strenuous fight. Police reinforcements were rushed from various parts of the ground and for a little while the situation was ugly. The prisoner fought the police with all his might, but was eventually overpowered. All this happened not far from 4QG's microphones, and the announcer took full advantage of it to give a description of the happening to the thousands who were listening in. His word pictures of the ugly happening carried excitement into many peaceful homes.

A SON of Mr. J. Coomber, of Orange, was summoned by wireless to attend the bedside of Mr. Coomber, reported as dangerously ill. The son made hot haste to Orange, only to find Mr. Coomber in his usual health. Someone had blundered.

WIRELESS TEADERS report that as a direct result of the recent Wireless Exhibition in Melbourne, there has been a decided boom in the sale of radio stocks, some estimating the increase in business during the next few weeks will total about £25,000. It is estimated that nearly 70,000 people attended the exhibition during its season.

THE LATEST EDITION to hand of the San Francisco "Examiner", heads its radio section with the title "Everybody is catching Australian" and mentions 3LO Melbourne as the only station identified. "Inspired by 'The Examiner' reports, rather numerous during the last few weeks, about the successful reception of Australian and Japanese stations, California listeners are giving a good deal of attention to trans-Pacific broadcasting," says the paper. "Standard and home made five tube sets are bringing in the foreign stations with loud speaker volume."

AN INTERESTING COMPANY was registered in London on January 13, with the name "Wireless Pictures, Ltd." The objects of the company are to acquire any patents for inventions relating to television and what is known as "photo telegraphy," and the electrical transmission and reception by wire or wireless of signals, drawings, etc.



A NOVEL means of identification has been adopted in Sweden. Each broadcast station has been assigned a well-known folk-song melody and with each announcement the particular air allotted to the station is played on a celesta.

SETS THAT CAN EARN INCOMES

How radio is changing the marketing methods of up-to-date farmers, and the value of 4QG's system of market reporting.

SIX months ago Harvey Anderson, a typical Queensland settler, bought a radio receiver and installed it in his homestead some hundreds of miles from Brisbane for the benefit of his wife, a city girl.

A few weeks later, while listening in, Mr. Anderson picked up a voice of a speaker who was giving out a market report and who observed that "a sudden fall in the price of onions which were now quoted at — had taken place."

It happened that the listener had a considerable quantity of onions that he had intended to sell that day but refused to close at the price offered by his dealer at the local township in the hope of a rising market. But the words of the speaker, whose voice had so unexpectedly been introduced into the farmhouse, caused Mr. Anderson to pause in thought.

The following morning before the local post and telegraph had opened work with the city he had closed with the dealer at the price offered. All Queensland farmers will remember how onions slumped that season and remained down for several months, and how many dealers suffered losses.

Radio had enabled Mr. Anderson to escape with a profit. That was in the days when 4QG was still ignored by the hard-working farmer as a needless and expensive amusement.

Instances of this kind are being recorded in increasing number. Radio is beginning to change the methods—particularly the marketing methods—of entire groups of farmers.

N.S.W. wheat-growers will remember when the first wheat of last season arrived at Alexandria goods sheds, Sydney, from Boggabri. Half an hour after it was sold, growers all over the State heard the broadcasting stations



Not as a luxury but as a necessity—as a part of his farm equipment—does this Queensland farmer regard his receiver. Market information which he receives from broadcast stations has increased his earnings many times in excess of the original cost and upkeep of his radio equipment.

announce that the Boggabri truck of wheat weighed 654-lbs. to the bushel, and that the opening price fixed for the new season at auction was 7/- a bushel. The price was repeated on the air the same evening, so that wheat men all over the State must have known the news many hours, in some cases, days before they could have learned it from other sources.

There is one A class station which has made a special effort to give the farmer a broadcasting service of some value. The Queensland Council of Agriculture maintains a staff of market officers who make a special study of market conditions in the farmers' interests. The Council publishes its own newspaper, and thus does a great deal of work in the direction of placing marketing knowledge before the farmers. But better even than its official organ the Council of Agriculture is now co-operating closely with the Queensland Radio Service and is using station 4QG for the purpose of providing accurate and speedy infor-

mation for farmers. A special studio has been constructed in the offices of the Council near the main markets of Brisbane, and this studio is connected by land line to station 4QG. Mr. R. Wight, a market officer of experience and an officer whose heart is in his task, has been appointed special radio officer by the Council of Agriculture and attends to the provision of all radio news for country dwellers. Mr. Wight personally visits the various markets every morning and notes prices and market conditions. He then adjourns to the Council's own studio and at one o'clock each weekday broadcasts a talk to the farmers.

The value of this system of market reporting is obvious. The farmers' own representative visits the markets each day, and at midday personally talks to his own people by radio. He quotes all the prices and gives expressions of opinion regarding the market. At night time station 4QG provides a special half-hour session for farmers only, and the matter

The Life of a Philco Begins when Bought.

which is broadcast during this season is of very great value to the man on the land.

The State Department of Agriculture and Stock comes into the scene during this session and co-operates with the Council of Agriculture for the purpose of giving farmers lectures. From seven o'clock until a quarter past seven each week night the Council's Radio Office gives latest market reports, and from a quarter past seven until half past seven a lecture on some subject of interest to the farmer is given.

The most notable feature of these lectures lies in the fact that they are all given by some Agricultural Expert. They do not consist of mere readings or of views given by some person not competent to lecture. The whole of the various Government experts in the various branches of farming have co-operated with the station and the Council of Agriculture, and some capital lectures have been, and are still being provided. These have included a series of talks to dairy farmers by the Government Dairying expert, lectures to pig farmers by the Government Pig expert, and so on. In short every branch of farming is being dealt with and lectures by the particular Government expert in each separate branch have been arranged.

The economic side of farming also forms the subject of lectures. For instance a tractor expert recently discussed the costs of maintaining tractors for farm work. The services of the professors of the Queensland University have also been enlisted and farmers are now receiving expert advice by radio on such subjects as insect and plant pests. The Government bacteriologist has also given a series of lectures, some of which have already been broadcast and others of which will be transmitted shortly.

It is quite safe to assume that the whole system of the supply of information to the farmers by radio in Queensland is very much in advance of that in any other portion of Australia.

Apart from news sessions and the market reports the other class stations have not done anything like enough in bringing broadcasting to the dwellers in the country districts.

There should be, and really is, a particularly strong appeal in the new method of disseminating news and entertainment to people remote from the cities. We in the city have ever-form of entertainment near at hand, and the news of the day is before us in the morning or evening papers very soon after it "breaks." The family in the country, on the other hand, must wait one, two, or even three days for their newspaper. That was before the advent of broadcasting. There is no need nowadays for that family to

continue its remoteness from the centres of important happenings. A few pounds spent on a wireless receiver and the payment of a licence fee that amounts to about one penny per day will place the farm dwellers in touch with the world's news, and bring in a nightly programme of music.

But why are there not more wireless sets found in the country? A traveller in country districts still notes the very occasional aerial with surprise. He wonders why the sight of an aerial is not the rule instead of the exception. He must conclude that the wireless traders are to blame for a lot of the inattention paid to wireless by country people. The farmer and the grazier will not be long in making up his mind to instal a set if the advantages of it are made clear to him, and the initial fears regarding the difficulty of operating the set cleared away. Probably the traders still find a sufficient market in the Metropolitan districts, without troubling with the country. If that be the reason, it is to be regretted, because broadcasting is of greater usefulness to the distant dwellers, and their claims and requirements should not be neglected or postponed.

U.S. Farmer and Radio

MORE than half a million U.S. farmers are warned of impending storms or other changing weather conditions instantly by means of radio; approximately 583,000 farms are equipped for receiving spot market quotations by radio; 24 agricultural colleges maintain radio-casting stations, and several hundred commercial or private broadcasting stations disseminate agricultural information. Such, by way of summary, is the status of radio-casting in its relation to rural life at the present time.

On January first there were 121 stations, located in 49 different states, broadcasting weather forecasts by radio-telephone on regular schedules. About 95 per cent. of all the powerful radio-telephone stations in the United States are now co-operating and many of them broadcast forecasts for several states. People in every section of the country are being served. The scope of the radio-telephone weather service may be estimated when it is known that, for instance, in the State of Iowa alone there are over 33,500 receiving sets on farms. It is estimated that the weather forecasts are available by radio to more than 500,000 farms in the United States.

The annual report of the U.S. Secretary of Agriculture, W. M. Jardine, contains a sub-title heading, "Radio and the Farmer." This

official cognizance of radio as an agency for spreading information and entertainment to folk of the countryside takes into consideration, briefly, the history of radio as it pertains to agriculture, its rapid development, and its economic value to farmers.

"The department made its first experiment with radio in 1920," notes Mr. Jardine. "Since then, there has been a great development in the use by farmers of this new means of communication.

A survey made by county agricultural agents in 1923 indicated there were about 145,000 radio sets on farms throughout the country. In 1924 the estimated number had jumped to 305,000, and in 1925 to 553,000. The average number of radio sets on farms per county has increased from 61 in 1923 to 204 in 1925. This increase of 330 per cent. is evidence that the farmer appreciates the radio service provided for him.

"There has also been rapid growth in the number of radio receiving sets on farms in States at great distances from good broadcasting service. In Florida, for example, the increase in 1925 over the estimated number on farms in that State in the preceding year was 195 per cent. Idaho increased the number of its farm receiving sets 850 per cent. in the year; Alabama reported an increase of 850 per cent., Arizona of 460 per cent., and Louisiana of 600 per cent. In Pennsylvania, on the other hand, the gain in 1925 over 1924 was only 5 per cent.

"Farmers generally have bought very good radio sets. A questionnaire answered by 2500 farmers in 1925 indicated the average price of their manufactured sets was \$36. This sum will buy a better set today than it would two years ago. Yet farmers are not on that account reducing their investments in radio. Dealers in several parts of the country say that radio sets worth from 125-dol. to 400-dol. sell much more readily to farmers than those costing under 100-dol. Farmers have discovered that they need good long-distance sets to get the weather and market reports and entertainment they demand.

"Twentys-four agricultural colleges maintain radio broadcasting stations. The colleges are becoming enthusiastic users of radio. They co-operate with the Department of Agriculture in broadcasting its weather, crop, and market reports. Several hundred broadcasting stations regularly obtain information for broadcasting from the department. Many farmers have more than saved the price of their radio sets by profit gained by the use of market information issued by the department for broadcasting."



The chorus in the "Lilac Domino" which will be heard from 2FC on April 2 and 6, when that station broadcast the opera. See paragraph below.

Coming Features in the Programmes

THE first and the second and third acts of the "Lilac Domino" will be broadcast from 2FC on April 2 and 6 respectively. The transmission will be relayed from Mosman, where the Mosman Musical Society is producing this as their 78th opera. This Society is the oldest musical society in Australia, having been in existence for the past 23 years. The "Lilac Domino" has a powerful cast in Miss Gladys Evans, Miss Gladys Rowling, Messrs. Fred Wilkins, Eric Howell, Bryson Taylor, and the scenery is being specially painted by the Sydney Scenery Co. on a lavish scale. The production is being entrusted to Mr. Spencer Barry and I should ensure one of the finest productions put on by this Society.

AUSTRALIAN LIGHT HORSE BAND: One of the finest bands outside Sydney is the Australian Light Horse Band at Goulburn. Through the recent transmission by 2FC at Goulburn, the Band was heard, and their work so impressed the Station that negotiations were entered into, and it has now been arranged to bring this Band to Sydney on Saturday, April 2, in connection with the Boy Scouts Corroboree at the Showground, arranged specially for the Duke. The description of the Corroboree will be given, interspersed by items from the Band. They will also play from the Studio on Sunday evening, 3rd April.

ROSEHILL RACES will be described in running on Saturday, 29th March.

NEW STORIES FOR THE CHILDREN: Tal Ordell, the Australian playwright and film producer, who has recently released most successfully a film of "Fatty Finn," in which the historic Goat Race for the Kid Stakes is included, has wonderful stories for the children. He is no stranger to 2FC, and opportunity has been taken to ask him to give a week's story-telling on typical Australian adventures. This will commence on Monday, March 28, and there is indeed a treat in store for the younger ones.



Miss Gladys Evans, leading lady in the "Lilac Domino."

MALE CHOIRS BROADCAST WELL: It is an undoubted fact that a good choir of male voices goes over the air well. Take, for instance, the Royal Sydney Apollo Club concerts which are heard regularly from 2FC. This body of men, directed by Arnold Mote, have given some beautiful programmes during the past two years. Their next broadcast appearance is on March 28. They will include items suitable for the festive week.

24 SAXOPHONES AT ONCE: A concourse of sweet sounds will be placed on the air on Sunday afternoon, March 27, when Will James will conduct his orchestra of twenty-four saxophones from the Lyceum Hall. There are many people who have an idea that a saxophone is an instrument of torture, but in the hands of capable musicians some remarkable symphonic effects can be obtained. Rev. F. H. Raward has arranged this novelty for that afternoon. This is the last entertainment he will arrange prior to his departure for England, 2FC placed a saxophone band on the air some time ago. It consisted of thirteen players, and their work was so remarkable that professional bookings from all over the place followed their appearance at the Studio, with the result that the band was booked on the spot by different theatrical enterprises, and 2FC lost the opportunity of using them further.

Buy Right and You Must Buy Burgess!

ORGAN RECITAL: Miss Lillian Frost will give her final recital from the Pitt Street Congregational Church on Wednesday, 30th March. This is her 566 recital, and will be broadcast by 2FC.

BEETHOVEN: March 26th marks the centenary of the death of Beethoven, and every Station is busy preparing programmes suitable for the occasion. One evening last week a listener tuned in three separate Beethoven programmes. This was a fortnight before the actual Commemoration. It is interesting to know that the controversy which has been raging recently concerning the popularity of the classics on the air has created so much interest with listeners. 2FC is receiving a continual stream of letters canvassing both sides of the question. So many listeners have written to them on the subject, a special photograph of Beethoven is being printed in poster form, and will be sent to the various listeners interested. The Commemoration of this great master's death will be made the occasion of a wonderful programme to be presented at the Conservatorium Hall on Wednesday evening, March 30. The Director, Mr. Arundel Orchard, will conduct the N.S.W. Conservatorium Orchestra in the Lenora Overture No. 3. Frank Hutchens will join with the orchestra in the piano/forte concertos. Mr. Cyril Monk is giving a talk which will be broadcast from 2FC on Sunday evening, 27th, on "Beethoven—the Man." This will be of more than ordinary interest, as he has made a special study of the works of Beethoven.

ON FRIDAY, MARCH 25, 2GB will give a programme of instrumental and vocal items from the works of Beethoven. This programme is in commemoration of Beethoven's death one hundred years ago. Many musical societies in many lands are holding commemorative concerts in his honor, and 2GB has much pleasure in being able to give an evening's programme devoted to the compositions of so great a man. There will be played by Mr. Don Scully and Miss Ada Brook the first movement of Beethoven's famous "Kreutzer," Sonata for violin and piano. Mr. Scully will also be heard in smaller solo violin pieces by Beethoven. Miss Ada Brook will play a Beethoven Sonata for Piano and Miss Nellie Ravens, the well-known and well-liked contralto, will sing four of Beethoven's songs. The 2GB String Quartette will play movements from one of Beethoven's string quartettes, and there will be an interesting short talk upon "Beethoven, the Man and Composer."

MONSTER FLAGS: One of the distinct features of the decorative scheme of Sydney celebrating the Duke of York's arrival will be the immense flags which will be erected on Farmer's new building, one facing George Street and one facing Market Street. These are the largest flags in the State, probably in the Commonwealth. The reason we do not give the actual size is because a competition has been arranged by the "Hello Man" of 2FC, who is asking his young listeners if they can let him know what is the actual size of the flag, or to put it more definitely "How many pennies can be placed on the flag side by side?" when it is spread out on the ground. A prize will be offered to the one who gives the closest solution. Size is a deceptive thing, and when flags are placed on a high building, they dwindle to very small proportions, and the competition should prove of interest to parents, as well as the Kiddies.

SEA CHANTIES: Listeners will remember the sea chanties broadcast by 2FC from King's Hall recently, in connection with the lecture on "The Battle of Jutland." This male voice party will have an opportunity of giving their songs away from the conventional atmosphere of the concert platform, when the party will go aboard the "Tingira" and give a complete programme from the deck of this historic training ship. All sorts of novelties in the matter of effects have been arranged by Mr. Laurence Halbert, who has been all over the ship with an eye to all the features for this occasion.

ARE DEBATES POPULAR? Most Stations steer clear of debates, but we think the debate on "Is the Modern Girl an improvement on her Grandmother?" by Rev. F. H. Raward in conjunction with Mr. William Adams will give listeners food for thought. This has been set down for Monday evening, March 28, and will doubtless present endless opportunity for humorous criticism. There are six speakers, each limited to five minutes.

PROFESSOR BERNARD HEINZ, UNIVERSITY CONSERVATORIUM. Listeners will be glad to learn that arrangements have now been completed to continue the series of interesting musical "lectures" that proved such an immense success during the year 1926. Professor Bernard Heinz of the University Conservatorium has arranged a series of "Talks" that will prove both interesting and instructive, especially to musical students, who will welcome this pleasant way of acquiring information. As is usual on these occasions, Mr. Heinz will have the co-operation of some of the clever University students, who will illustrate his remarks with both vocal and instrumental solos.

THE PREMIER FOUR: An ever-welcome addition to 2LO programmes comes in the shape of the Premier Four, who are again broadcasting for a brief season. Part singing is always greatly enjoyed by listeners, and when the repertoire of a quartette includes old English gleees, popular right up to the minute songs, and appealing Southern melodies of the cotton fields, the artists will always find their audience asking for more.



Two Old Shell-backs Discuss Sea Chanties: Capt. Wylie and Herbert Fry arranging some rousing songs for a Nautical Night at 2FC.

500 Installations in 2½ Hours

How 200 Postal Mechanics set out to break a record in the installation of radio at the Melbourne Benevolent Home. Granny McLean, 106, listened in.

WIRELESS has had a number of new recruits to its ranks in Melbourne during the last few days. I don't mean as a result of the very successful Wireless Examination, I am referring to the great numbers of hospital patients, whose beds have been recently equipped with headphones by public subscription.

St. Vincent's has been already "on the air" for a fortnight, and now the biggest of all, in point of patients, the Melbourne Benevolent Asylum, with 700 patients, has been completed.

It was an extraordinary sight to see these old people, for whom the world was apparently ended, and life but a slow sinking back into nothingness, perk up and take notice, when 200 young stalwarts from the Postal Mechanics' Union marched into the hospital and took up their allotted places. There was a complete absence of bustle and confusion. Each man knew from a plan where he was to go, and he went there straight, and set about his job. The patients watched them, wondering, bewildered. They had, in some cases, not even heard of wireless, so finished with "life's fitful fever" were they in their quiet back-water.

Others had heard of it, and had been told that by the kindness of the public they were to have this boon. They looked at the men as though they were magicians, as indeed they were.

In an incredibly short time, 24 hours, to be precise, 500 points were finished, and the juice turned on. The naive surprise and delight of the old people were touching. They could hardly believe their ears, and a feeble cheer went up from the old men in Ward 7, when they actually heard the delicious commotion of a racecourse and book-makers calling the odds. They had thought that life could never again give them back the thrill of a race, and yet, here they were, listening to a description of one, so that they could almost see it run. Indeed some old men, wild with excitement, took off the phones and levelled them like race-clashes.

It was a wonderful scene. One old lady of 108, Granny McLean, was a bit doubtful of the "dressed things." She had been born not long after Waterloo, and had known the days when folks thought a railway train was an invention of the devil. She had read of the first trials of gas,

of electric light, of the telephone, and had shaken her head over each one. And now here was an invention that lets you hear music that came from far away. "It wasn't right, some 'ow," she felt, but curiosity got the better of scruples and she listened like the rest. I should like to recommend to 3LO to get some sympathetic and understanding person to give a short programme especially for these old people. Bear in mind they don't know, many of them, how the world has been wagging for these 20 years, they would love to hear again the songs of their boy and girlhood. Think of the delight with which they would hear again such old favorites as "Twickenham Ferry," "Ehren on the Rhine," "Apart," and "Won't You Tell Me, Molly Darling." I am for an Old Folks' Night. Who's with me?

THE WIRELESS EXHIBITION.

Well, the Exhibition is over. What's the net result? I asked a big dealer that question, and he replied that he had booked a large number of orders for big sets. Personally, he had done well.

Apparently the night attendance consisted mostly of curiosity seekers; the afternoon brought the keen buyers who wanted to know everything the dealers could tell them.

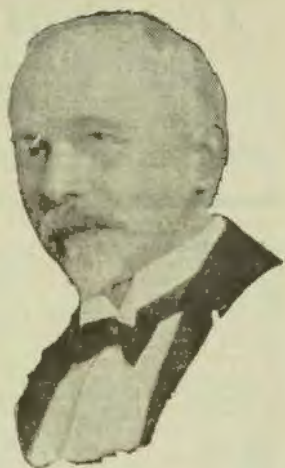
I was speaking to the representative in Australia of one large English firm. He told me that the similar exhibitions in England were run for a couple of days before the official opening in order to give the press and the trade a chance of seeing the show in comfort, when they could ask questions and be seriously answered. It seems a good idea. His own firm received orders for 50,000 sets at one exhibition. It gives some indication of how wireless is progressing. It has now become a necessity.

THE COMMISSION MUST BEWARE.

The other day I dropped into conversation with a young musician at the house of a mutual friend. There were a couple of dozen guests present, when the talk turned on wireless.

"It is helping the cause of music," I ventured, "the whole profession must benefit when people hear such fine performers in classical numbers."

The musician interrupted with a tirade against 3LO.



SIR WILLIAM NOBLE, a well known personality in the broadcasting world, spoke in no uncertain tones during his stay in Sydney and Melbourne concerning the standard of Australian broadcasting. Several opportunities were given to him of explaining his view on this matter. He broadcast from both 3LO and 2FC and each time reiterated his statement that the standard of broadcasting in Australia was remarkable, and our programmes were wonderfully diversified. Considering the lack of world's artists, he considered we were able to produce very gratifying results.

"How can the cause of music be helped," he asked, "when 3LO pays no one more than a guinea, however good the artist?"

"But they do pay more," I pointed out, reasonably. The other guests listened in at this juncture.

"They don't," said the young artist. "A guinea is their maximum. Have you ever heard a really good artist on the air? No, because they refuse to broadcast for a guinea."

"Well, I've heard Melba, Toti Dal Monte, and a few others," I pointed out. "Toti got a very big fee, and I happen to know many artists who get a great deal more than a guinea."

He subadded, because he was guessing, whereas I happened to have the knowledge, but what I want to point out is that that young chap might quite easily be giving evidence before the Wireless Commission and tell his sad, but entirely untrue, story. It is to be hoped that steps are being taken to see that witnesses know what they are talking about.

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.



JAZZ BO.

Dear Sir,—Perk Up! I do belong to that fickle class called "Jazz-friends," but having paid my licence fee, I have a certain right to voice my views. Briefly summed up, I and my friends want more jazz items between the so-called classics, and I am sure that if Eric Pearae talked his way into giving us more of his melody, he would make many friends for life, amongst them being myself.

Yours, etc.,
JAZZ.

Northbridge.

CUT OUT CLASSICAL.

Dear Sir,—In my opinion, and I think in most listeners' opinion, there is far too much classical music, especially singing, broadcast every evening. Everyone, I think, enjoys one or two good singers during the evening, such as Madame Vera Tasma. She is a firm favorite. But some of the singers we hear, especially at 2FC, well, it would be absolutely impossible to put their songs under the heading of music.

A good programme, consisting of band and orchestral items, the latest fox-trots and latest most popular songs, are far more enjoyed by 80 per cent. of the listening-in public. So my advice is: Cut out the classical, or, at least, moderate it.

Yours, etc.,
M.M.S.

Tyalgum.

NOT HARD TO READ.

Dear Sir—I have built the Five-Valve Neutrodyne as described in "Wireless Weekly," of 22/10/26, and I can say it is the set and then some. I can tune in all the Southern stations with great ease, and with remarkable volume. I can tune-in 5CL (Adelaide) when Brisbane is on the air; there is only a difference of ten metres between these stations, and I am about 14 miles air line from Brisbane.

I greatly enjoy the Technical Editor's talks from 2FC every Thursday night, but the quarter of an hour goes by too quickly.

Yours, etc.,
J.G.

Ipswich, Queensland.

MURDERED:

Dear Sir,—The other night, the First Act of "The Mikado" was broadcast from the Theatre Royal by 2FC. Instead of being a musical treat it was murdered by that station. It is unfortunate that our two main N.S.W. stations are unable to give the clear, steady transmission of 3LO, Melbourne.

There is another matter in which the two Sydney stations could follow Melbourne's lead. In the programmes set out in "Wireless Weekly," 3LO is very definite. For instance, if a racing enthusiast wants to get the results of the various Melbourne races, 3LO's programme tells him exactly when to listen-in, 2FC and 2BL apparently require him to sit at the set all the afternoon if he wants to be sure of receiving the results. As the average man hasn't that time to spend he simply doesn't bother. It is a real boon to listeners-in to have 3LO on the air.

Yours, etc.,
J.B.

Glen Innes.

YOURS TRULY—JOE WOOP.

Dear Sir,—When I read some of the letters on this page from city people I feel my gorge rising. Not content with the basic wage, forty-four hours a week, and the daily paper before breakfast, they spend some of their spare time (of which they have a good deal) in writing about grievances which are after all only imaginary. Twelve months on a dairy farm would do some of these people good.

After having finished their twelve hour day, they would be glad to get hold of a two-day-old Sydney paper. If there happened to be a wireless set installed, they would be pleased to listen to whatever was offering. Instead of jazzing till midnight to the strains of "My Cutie is Due at Two to Two," they would be quite ready for some shut-eye about ten p.m. out of respect for their batteries and in preparation for the next day's toil.

Yours, etc.,
JOE WOOP.

Coraki.

LOST INTEREST.

Dear Sir,—As I have lost interest in radio I am not renewing my licence. The programmes are not as interesting as they could be in a city like Sydney, and the wavelength tangle, together with the interference, prevents true enjoyment of the programme. To tune in Interstate or New Zealand stations is a joke, for one does appreciate outside items of interest when they pick them up, which cannot be done now except on the expensive sets.

Yours, etc.,
A. F. McL.

Turrumurra.

A LISTENER'S CRITICISM.

Dear Sir,—2BL programmes of late have been very poor, but it is always a pleasure to hear Uncle George's voice over the air at any time. He must have a wonderful personality.

I see no reason why the programmes should not be improved by broadcasting records in the daytime, as it is a change from the many ladies' voices which we hear during the night programmes. Some are very good, but we do get too many of them at times. It is up to the companies to see that their programmes are on as high a standard as will permit.

2FC's programmes are generally pretty fair, but we do not want too many playlets.

Yours, etc.,
IN GENERAL.

Marrickville.

CRYSTAL RECEPTION OF 2FC IN QUEENSLAND.

Dear Sir,—I pick up 2FC every night after the local station 4QG has closed down, and greatly enjoy the programme. My set is a simple crystal receiver and I can hear 2FC clearly, and by adding a one-valve amplifier, reception is excellent head-phone strength. I think the programmes of 2FC among the best in Australia, even better than those of our local station.

Yours, etc.,
A. H. BARFF.

Ipawich, Q.

2FC & 2BL Programmes for Royal Visit

THE visit of the Duke and Duchess of York to Australia is expected to cause a great revival in broadcasting, and from all indications thousands of persons who have not yet invested in radio receiving sets will do so in the immediate future.

Indeed it is reported in radio circles that a very considerable increase in trade has already taken place attributable to the approaching royal visit.

The main reason prompting the purchase of radio sets is the fact that the ceremonies connected with the Duke's visit have so great an historical interest. The landing of the Duke and Duchess at Farm Cove, for instance, will be a highly picturesque event and the broadcasting stations have planned to exploit it to the uttermost. As the great battle cruiser "Renown," bearing the Royal Duke, approaches the Heads officials of both the A class broadcasting stations 2FC and 2BL will give a running description of the scene until the warship moors in Farm Cove.

The words of the announcers, together with all the attendant sounds which fill the air, the cock-doodling of other vessels, the firing of guns, and the cheering of the crowd will be heard in the uttermost parts of the State. As the Royal Party lands trained announcers will describe the scene and doubtless their words will be heard by thousands of persons who on account of distance or for other reasons cannot hope to see the proceedings.

On Sunday, March 27, the Duke will pay a visit to the Prince of Wales Repatriation Hospital at Randwick, where he will address the sick and disabled soldiers. The words of His Highness will be broadcast and again the Duke will be heard over the air in a speech on Tuesday, March 28, when he will be entertained at lunch by the Returned Soldiers and Sailors' Imperial League.

Of course the official ceremonies at Canberra—where on May 9 the Duke will open the Federal Parliament—will also be broadcast and the Federal Government has expressed the wish that at every school in the Commonwealth, especially those in the more remote areas, children and parents will be gathered to hear by radio the Duke's speech.

It is interesting to note that probably not more than ten or twenty thousand persons actually heard the Prince of Wales speaking when he visited Australia, but probably three or four million will hear his brother, thanks to the excellent system of broadcasting now firmly established in Australia.

A World's Record Broadcast from 2FC.

THE gala performance to the Duke and Duchess of York at Her Majesty's Theatre on Tuesday, 20th March will create a world's record in broadcasting. Following considerable negotiations by 2FC (through Messrs. J. C. Williamson Ltd., with the English authorities holding the Gilbert and Sullivan copyrights, arrangements have been made for the complete gala performance to be broadcast.

The two operas "Trial by Jury" and "H.M.S. Pinafore" will be transmitted in their entirety for the first time in any part of the world. The broadcast will commence at 7.45 with a description of the audience. Then will follow a "Fugue of Trumpets" specially written by Mr. Andrew MacCunn, musical director of J. C. Williamson Ltd. to be played upon the "Aida" trumpets as their Royal Highnesses arrive. At 8 o'clock the National Anthem will be played by the enlarged orchestra. At 8.3 "H.M.S. Pinafore" will be broadcast in full followed after the interval by a full transmission of "Trial by Jury."

2FC's Programme.

2FC will broadcast the following entertainments and functions during the Royal Visit:—

SATURDAY MARCH 26: Arrival of the "Renown" and the passage of the vessel up the harbour, transmitted from S.S. Gwydir.

The landing of the Royal party at Farm Cove.

Description of the procession from Farmer's strong post.

A choir of sixty voices and a band of thirty members will be associated with this description.

Descriptions from the Town Hall of the arrival of their Royal Highnesses at the official reception to be given by the Government of N.S.W.

SUNDAY, MARCH 27: Duke of York's speech to disabled soldiers at Prince of Wales Hospital, Randwick.

MONDAY, MARCH 28: Description of the arrival of their Royal Highnesses at the Lord Mayor's Ball.

TUESDAY, MARCH 29: Description of the public reception at the Town Hall. Speech by the Duke of York at the Luncheon to be tendered to him by the Returned Soldiers and Sailors' League at the Wentworth. 2.45: School children's display, Sydney Cricket Ground. 4.00: Conferring of degrees, at Sydney University.

7.45: Gala performance, Her Majesty's Theatre.

THURSDAY, MARCH 31: Pro-

gramme from H.M.A.S. "Tingira."

FRIDAY, APRIL 1: Description of the Barbecue at the Showground.

SATURDAY, APRIL 2: Description of the Boy Scouts' Carroborace at the Showground.

SUNDAY, APRIL 3: "Renown" Band plays at the Zoo.

THURSDAY, APRIL 7: 2FC Concert from the "Renown."

THURSDAY, APRIL 14: Return of the Royal visitors from Queensland. Description from the Showground, and of departure of the "Renown" for Hobart.

2BL's Programme.

The first glimpse of the "Renown" from the Australian Coast will be described by 2BL. With the aid of a powerful telescope at South Head Signal Station, the vessel will be picked up from the time she rises over the horizon and her progress from then, until she moors in the Harbor, will be described to listeners.

From a vantage point near the landing stage the official landing and scenes beforehand will be broadcast.

Then there will be a description of the Royal route—an hour before the landing and then actually as the procession through the city is taking place. For this purpose a small transmitting set will be placed in a motor car which will take part in the Royal procession, and the description from the car "picked up" and re-broadcast.

A description of the procession will be broadcast also from the verandah of Burdekin House, Macquarie Street. Next afternoon music played by the famous concert band of the "Renown" will be broadcast from Taronga Park and the following evening a concert on board the "Renown" will be "put on the air."

On Tuesday, March 29, proceedings at three important functions will be broadcast—the reception at the Sydney Town Hall, Children's Display at the Sydney Cricket Ground and the reception to the Duchess of York by the National Council of Women at the Sydney University.

For the visit to Jenolan Caves, 2BL has arranged to instal microphones in various parts of the Caves, so that listeners-in will have a continuous description of the sights viewed by the Royal visitors and in all probability will hear some of their remarks.

On the day of departure from Sydney the reception of the Duke of York at the Show Ground, by the President of the Show, will be broadcast, as also will a description of the departure from Man of War Steps, Farm Cove.

Choosing A Radio Receiver

An expert's advice on the purchase of a receiver. How to get the best return for your investment.

By H. K. LOVE

(President Victorian Section Wireless Institute)

FOR those who contemplate the purchase, or the construction of a receiver, there is the question of "What kind of a receiver do I need?" The answer is governed by many factors—the chief among these being the location in which the set is to be used. If it is to be used in the country, a considerable distance from B.L.O., anything less than a four valve receiver will not give good consistent reception. For local work, up to a few miles from a station, a crystal receiver will give good ear-phone results, and should a speaker be desired, it can be made use of in conjunction with a crystal and valve amplifier. It must be clearly understood, however, that the addition of a valve audio amplifier to a crystal will not increase its range, only the volume it will produce.

To make this quite clear. If a station cannot be picked up on the crystal, the audio amplifier will not help one bit. As long as the station can be heard on a crystal receiver, the audio amplifier will magnify the sounds to sufficient proportions to allow a speaker to be worked. For medium distances, a 3 valve receiver can be made good use of.

It is as well when buying a receiver of this type, to have a radio frequency valve, a detector, and one audio valve. The radio frequency valve increases the pick up range of the receiver, and should be included rather than a detector and two audio stages, another valve is not so easily added to the detector and two steps—while the addition of an additional audio valve to a radio detector and one audio completes a standard 3 valve receiver.

The amount of volume required will, of course, enter into the points of deciding the type of receiver needed for any particular circumstance. If nothing more than ear-phone reception close to the broadcast station is required, I would advise nothing but a good crystal set. If ear-phone reception of B.L.O. is desired in Sydney or at distances greater than, say, 100 miles from the station, a 2 valve receiver may be employed.

For loud speaker work at any distance, the safest investment is a four valve receiver. Five valves have their use for the picking up at full loud-speaker strength all Inter-State stations. This same applies to super

heterodyne, and the many types of multi valve receivers.

Perhaps the most important factor in the choice of a receiver is the price. But as in the case of most good things, price is not everything. Always buy the best, it will pay in the end. One may buy a piano for a few pounds, others pay hundreds, and it is usually found that the dearer instrument is the better bargain.

The same applies to a wireless receiver. If the money is not available when you desire to purchase, get the best you can afford, and add to it as you can. Don't buy a complete set, because it is cheap, if it is not good.

When buying parts always buy the best you are able to procure. A wireless receiver is only as good as the parts it contains, and is like a chain, a weak link determines the strength of the whole chain. Seek advice when buying, explain to your dealer what you require of the set or part, and he will advise you to make the best choice.

A. CLUNIES ROSS, B.Sc., F.I.I.A., continues his talks on business efficiency on Mondays at 2GB. Mr. Ross is an Australian business man who believes that business demands soul as well as enterprise and profit and loss accounting.

FOLLOWING a number of requests it has been decided to continue the morning sessions at 2GB. The time, however, has been altered; instead of commencing at 9.30 a.m. and finishing at 10.30 a.m., they are now starting at 9 a.m. and will finish at 10 a.m. This is because so many women in the homes find this time more suitable to their household duties.

THE LECTURES on Finance by Mr. Frank Lock at 2GB are creating wide interest throughout many States. Mr. Lock is an acknowledged master of economics and he treats the subject in quite a different way to most economic leaders. He is worth listening to.

BOUQUET FOR DE FOREST.

Writing to International Radio Co., a wireless fan at Woorona Dam states he has been using three De Forest valves consistently for three years. This is an excellent tribute for the longevity of these well-known valves.

PICKING THE WINNERS: To the average person a horse is a horse, large or small, chestnut or grey, old or young. But to the turf writer each one of the many hundreds of horses racing in Australia is a distinct personality, an individual to be recognised on sight just as one would recognise an acquaintance. This familiarity is only acquired by long experience and close study. In entering for the entertainment of local racing enthusiasts, B.L.O., Melbourne, has secured the best experts available. The descriptions of races by Musket of the "Sporting Globe" are an institution in Melbourne, and racegoers get as much excitement out of his faultless descriptions as they do from an actual sight of a race. Mr. W. Priestly, as Musket, is known outside the broadcasting world, has to know the colors of every owner racing in Victoria and the characteristics of every jockey in order to describe accurately each race.

The opinions and comments on races on Friday evenings are also a popular feature, this talk usually being in the hands of Mr. H. Wolfe, Cardigan of the "Australasian." Mr. Wolfe has been a sporting writer for many years and could speak with equal knowledge and precision on racing matters in Western Australia or Queensland. Occasionally his place is taken by Mr. F. H. Dexter, Doncaster of the "Argus," who has been brought up in the atmosphere of turf journalism. His father, who writes under the title of "Pilot" for a Sydney paper, is the senior racing expert in Australia.

MEMORY TRAINING BY RADIO.

2GB is making a special offering to the public every Sunday evening at 7.15 by presenting a course on training the memory which would usually, they say, cost those who desire it several guineas. They have secured for this series a recognised expert in this line for the past twenty years, Professor Ernest Wood, recently from India. The Professor has studied the ancient methods of the Hindus, the Greeks and the monks of the Middle Ages, as well as the most recent devices, some of which he originated himself in his work published fifteen years ago. The lecture of March 27 will deal with "Special methods of memory training," including the ancient Hindu method of Nilakantha and the Professor's own adaptation of this, the symbol and picture system of the Greeks, and the system of Gregor von Feinagle." Prof. Wood's unusually clear voice and ability as a teacher are well known, so listeners may anticipate pleasure and profit at the same time.

WORK is proceeding with all possible speed on the new high power station which is being constructed by 3AR. It will be operated from North Essendon, where the present 12-k.w. is situated, the power to be used being 5-k.w. The control panel which will be used at the studio end is ready and tested, and embodies the latest improvements necessary for perfect reproduction of voice and music. It contains 3 amplifiers, one for the large studio, one for the small or Speaking studio, and one for the outside broadcasts. It is neat and compact, having been assembled in Australia by Australian workmen. The whole panel is set up with something like 24 separate compartments, and 75 switches all doing their own particular and essential work. The large studio is wired for six microphones, which, if necessary, can be used simultaneously. The smaller studio possesses three. The control room divides the two studios. A certain section of the amplifier apparatus allows for the using of the microphones simultaneously, 3AR and the new 7ZL Hobart being the only two stations using this modern system of control. The transmitting station at Essendon will be crystal controlled. The same wavelength will be used, viz., 484 metres. Comments on the new transmission by N.S.W. listeners will be fully appreciated by the management of 3AR.

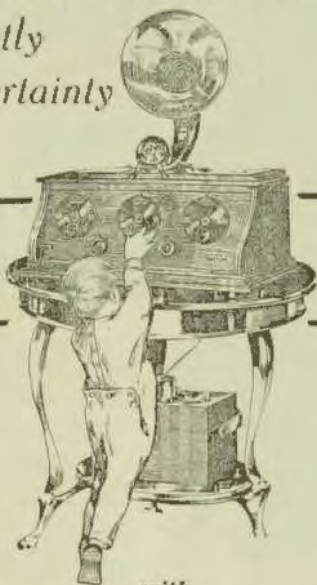
The Edison Swan Electric Co., Ltd., have introduced a new receiving set, the R.C. Threesome, which, for simplicity, cheapness, and quality performance, they claim, to be unequalled. It uses a resistance-capacity coupled circuit, with three valves, and can be put together in three hours. The cost of the component parts is about £3/15/. Reproduction from the completed sets is mellow, and free from coarseness; the volume obtained is ample.

The valves used are the Ediswan RC2 and PV2, economical and free from edrophonics. On application to The Edison Swan Electric Co., Ltd., 58 Clarence Street, Sydney, a blue print of the wiring diagram and a book of instructions will be forwarded free.

VOLTON BATTERIES.

Readers will be glad to learn that the world-famous Volton Batteries are now available in Australia. The Weldon Electric Company Limited have secured the agency for this battery, which is manufactured by the Volton Battery Company of Brooklyn, New York, and at the present time Mr. West, the Director of the Weldon Electric Company, is in Brisbane, arranging for the distribution of these excellent batteries in Queensland.

Get Anything
"on the air" in seconds
Perfectly
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WHY NOT BUILD THE COCKADAY ONE VALVE RECEIVER

As described in this issue of "Wireless Weekly." Here are the parts as actually used in the set—

1 Polished Bakelite Panel, 12 x 7 x 3-16 (cut true and square)	0 7 0
Or (12 x 7 x 1-8), 4/-	
2 Accurate Mydral Dials (Vernier), at 6/9	0 13 6
1 20 ohm. De Luxe Rheostat (one hole fixing) ..	0 3 9
1 B.M.S. Single Circuit Midget Jack	0 1 0
1 Rotary Switch Arm	0 0 7
7 Contact Studs and Two Stops	0 0 3
1 28 Plate Modified Pilot Condenser	0 14 9


(We can supply also, Advance, 28 Plate, 10/6.)

1 17 Plate Modified Pilot Condenser	0 13 9
(Can supply also 17 plate Advance, 10/-)	
1 Benjamin UX Socket (Cushion Type) ..	0 5 0
1 Electroad Grid Condenser	0 2 3
1 2 Mer. Gridleak and Holder	0 3 3
1 5in. length of 3in. Diameter Radion Tube, 10d	0 4 2
1 2 1/2in. length of 3in. Diameter Radion Tube, at 10d	0 2 1
1 Wooden Baseboard (properly finished) ..	0 1 0
6 Lengths Sg. Tinned Copper Buswire ..	0 0 6
1 Length Spaghetti Tubing	0 0 3

Total

£3 13 1

These Parts are Covered by a Money Back Guarantee.



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"CRESCENT" AUDIO TRANSFORMERS

Examine it carefully, and if you are not satisfied that you have received full value, return to us in good condition, and we will refund purchase price in full.

THE CRESCENT.
Ratios 6 to 1 and 2 1/2 to 1.

OUR BATTERIES ARE ALWAYS FRESH.

We do not carry excessive stocks of dry "A" and "B" Batteries. We prefer to replenish our supplies twice weekly.

Send Your Orders to Us if You Want FRESH BATTERIES.

Everready Dry Cells: Standard 1.5 volts.	£ 5 5 d.
Price, each	0 3 0
Columbia Dry Cells: Standard 1.5 Volts.	
Price, each	0 2 5
Everready "A" Batteries: Standard 4.5 Volts, "A" Batteries	0 9 0
Everready "B" Batteries (Ordinary Capacity), 30 Volts, 9/6; 42 Volts, 12/0; 60 Volts	0 18 0
Everready "B" Batteries (Heavy Duty), 42 Volts, 21/-; 60 Volts	1 11 6

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THE TRUE MUSIC
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Non-resonant copper horn, finished and brown, adjustable, high efficiency unit, resistance, 4000 ohm.

PRICE:

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Volts "B" Batteries (Heavy Duty), 45	
Volts (American)	1 2 6
Burgess "B" Batteries (Heavy Duty), 45	
Volts (type 2306)	1 8 0

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Resistance 3000 ohms
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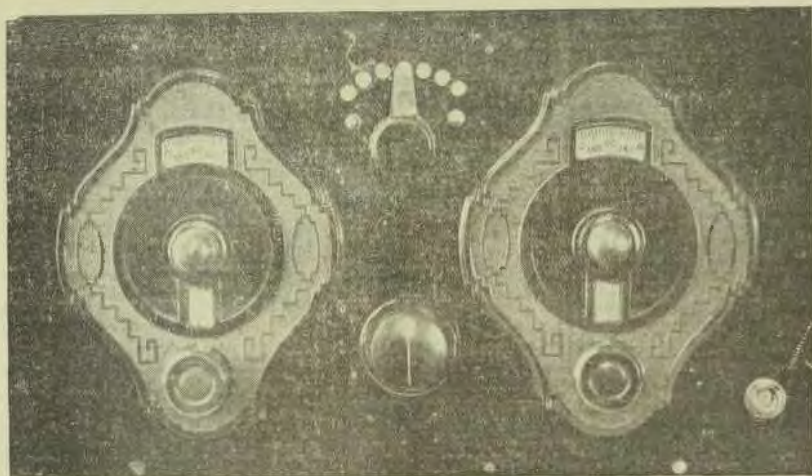
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Branches:— PARRAMATTA: Corner Church and Macquarie Streets. Phone U.W. 0601.
NEWCASTLE: 569 Hunter Street West. Phone: New. 1622.



The Cockaday Four Circuit Tuner

WE make no apology whatever for resurrecting this well-known receiver which will, we feel sure, be welcomed by our many readers. This receiver is extremely selective and will solve the problem of interference for a good many people.

Within half an hour of its completion 3LO, 4QG and 5CL were heard faintly but nicely on the headphones, free from interference from each other. The volume of the local stations was all that could be desired, therefore, we may be pardoned for feeling enthusiastic.

Towards the end of 1923 or the beginning of 1924 Lawrence M. Cockaday startled the American listeners when he produced this Four Circuit Tuner, and even to-day in U.S.A. it is extremely popular. Sharp tuning is the keynote.

In "Wireless Weekly" of June 20, 1924, this excellent receiver was described by "The Little American." Read what he says then and prove it for yourself to-day—almost three years later:—"This set has proved exceptionally selective, and the signals from nearby stations can be eliminated even when the difference in frequency between these signals and desired ones is very small. This circuit is also very sensitive to weak signals and the regeneration is easily

A popular receiver of years ago which even to-day proves its qualities of sensitivity and selectivity. The decorative front panel is reproduced exactly half-size above.

controlled." That statement reads well, doesn't it?

The Circuit.

Suppose now we analyse the circuit to see just why this should be. Looking closely we find that taking coil B and the valve battery and 'phone circuit, we have a circuit which very closely resembles the ultra audio circuit popularised in N.S.W. by "Insulator" and known to most as "The Marnikay." Readers who constructed the Marnikay will know just how selective it proved and will, no doubt, welcome this receiver, which is far more easily handled. Again we have coil C, which is not connected conductively to any other part of the circuit, but is of course inductively coupled to coil B. Coil C is tuned and really becomes a wave trap, to which is coupled one turn of the aerial coil D. This ensures extremely sharp tuning, and a nice smooth reaction control, which are features mostly desired to-day by listeners. As again all aerials are not of a standard length, coil D is tapped and is well worth the trouble,

as will be explained later on. And don't forget to note that the grid leak is taken from the grid of the valve to the negative A battery, not the positive as is usual.

Parts Required.

Here is a list of parts and the brands alongside to assist the constructor to make a duplicate of the receiver built by us. All the parts may be obtained from any of the advertisers in "W.W."

- 1-Radion or Dilecto Panel 12x7x 3-16.
- 2-Accuratune Mydar Dials.
- 1-30 ohms De Jur Rheostat.
- 1-B.M.S. SC Jack.
- 1-Rotary Switch Arm.
- 7-Contact Studs and two Stops.
- 1-23 plate Modified Pilot S.L.F. Condenser.
- 1-17 plate Modified Pilot S.L.F. Condenser.
- 1-Benjamin Socket.
- 1-Electrad Grid Condenser.
- 1-Philmore 2-meg Leak and Clips.
- 1-Terminal Board.
- 1-5-inch length of 3-inch diameter Radion tubing.
- 1-24-inch length of 3-inch diameter Radion tubing.
- 1-lb. 22 D.C.C. Wire.
- 1-Bushboard 11x8x1/2 in.
- 6-Bushbars.
- 2-Lengths of Spaghetti Tubing
- Sundry screws, etc.

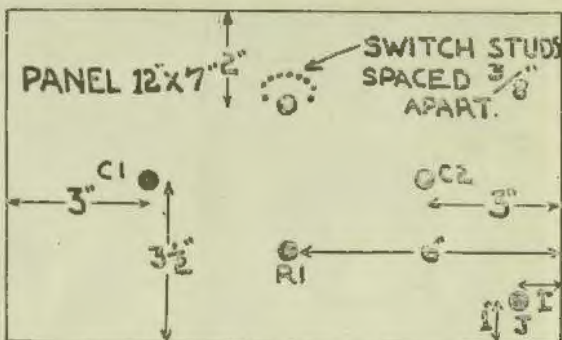
Ask any Radio Engineer about Burgess.

All these parts are of a good quality and their inclusion in this excellent little receiver will greatly repay the constructor. Anything that is worth doing is worth doing well, and remember there is nothing more annoying than to have the fixed and moving plates of a variable condenser touch together. The remedy is to get good parts at the beginning.

Construction.

That pleasant occupation of winding coils comes first. Tackle the 6-inch length of tubing and wind firstly the 45 turns for coil B. Begin by drilling two small holes $\frac{1}{2}$ an inch apart and both $\frac{3}{16}$ ths of an inch from one end of the former. Now thread one end of the 22 gauge D.C.C. wire through each hole, securing in this manner, and wind on the 45 turns, each turn close to the other, and finish off by threading through two more holes drilled at the termination of this winding. Secure tightly here. This winding should be approximately 24-inches long. At a distance of 4th. of an inch away start the winding for coil C, which consists of 37 turns of the same wire. Secure at the beginning and end as previously effected in coil B. The beginnings and terminations of these windings should all be in line, so that when the former is mounted on the board all the connections may be made on the top of the coils.

Next wind coil D on the 24-inch long former. This coil comprises 43 turns and is commenced on the former 4th. of an inch from one end. This



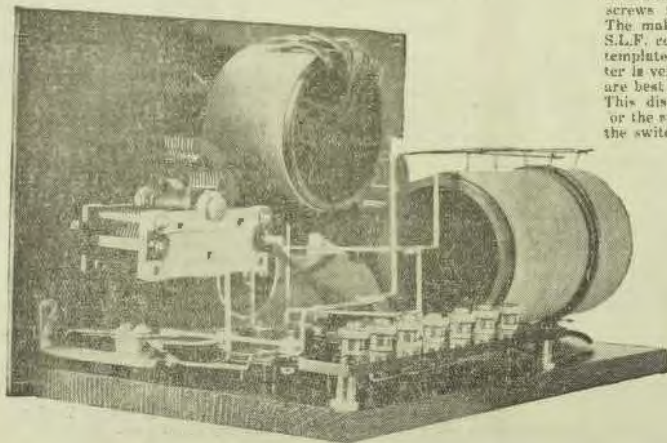
The drilling template for the front panel. This layout was used in the construction of the panel shown on the previous page.

coil is tapped at the 7th, 13th, 18th, 27th and 31st turns. The taps consist of a small loop twisted in the wire as the winding proceeds. When finished there should be approximately 3 of an inch of former to spare. This is to be used for mounting the coil.

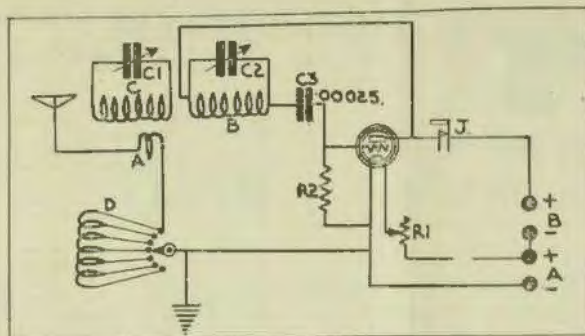
Coil winding is very simple provided the wire runs freely off the reel. To do this get a flat piece of wood about 3-inches square and drive a nail of a cut 21-inches long in the centre. Place the reel over this, allowing the nail to fit inside the hole in the reel.

Another method is to grip a pencil or a rat-tail file in the vice and slip the reel over this. This will allow the wire to run off the reel quite freely and is a great aid. Before leaving coil D aside carefully scrape the cotton covering off the loops or taps so that the leads may be easily soldered later on.

Next prepare the panel. This has to be marked off and drilled, in accordance with the diagram reproduced. This diagram, by the way, besides showing measurements and distances, is also drawn to scale. Mark out the positions with a centre punch, keeping the panel on a flat surface and then determine the positions for the fixing screws for the variable condensers. The makers of the Modified Pilot S.L.F. condensers include an accurate template in each packet, so this matter is very simple. The contact studs are best placed 4ths of an inch apart. This distance allows an easy riding of the switch arm. Don't forget that the switcharm used in this receiver is



A side and rear view of receiver. Note the coil windings and the relation of each end to the others. The two S.L.F. condensers are seen either side of the tapped coil. In the foreground is the plug-jack and the battery and phone connections.



The Technical Editor has added several small modern improvements to the circuit as originally designed by Laurence M. Corkadap.

14-inches in radius. If yours varies then be careful not to mark out the switch hole in a wrong position.

Carefully drill all the required holes, remembering the good old rule, "A high speed and light pressure accomplishes much." Countersink the holes for the fixing screws of the variable condensers, using a larger sized drill if a rose bit is not found in the kit of tools. Assemble the panel components, noting that the lock nut of each contact stud is made tight. Don't forget to make provision for the fixing screws at the bottom of the panel, so that it may be secured to the baseboard.

Baseboard.

This useful article is best when sandpapered and given a coat or two of shellac varnish or Ezywuk. Lay out all the parts, following out the suggestion in the back of panel wiring diagram for position. The larger former is mounted on the baseboard and is kept up from the board by means of two small pillars, a screw right through holes drilled in the edge of the former sufficing to take a brass wood screw through former, and pillars, and into the baseboard. See when mounting this coil to note that all the connections are on top as already explained. The terminal board also requires small pillars for a similar purpose.

Wiring.

At this stage start the wiring—before the tapped coil is mounted in position. The Wiring Instructions to-

gether with the back of panel wire, and the circuit will give all the instructions necessary and you are advised to follow out the wiring in the order given in the Wiring Instructions. When soldering is called for then do this carefully. Wunderflux is an easy flux to work and is also non-corrosive. Take each wire step by step and be certain that you are correct.

When it comes to soldering the taps from coil D to each stud, tin the stud firstly, and also the end of a short piece of wire long enough to go back through the inside of the coil former to the contact stud. Solder this short piece of wire (any gauge will do) to the tapping and then encase it in a short length of varnished cambric

spagheti and then solder to the already tinned stud. Keep these tappings and studs in order of rotation.

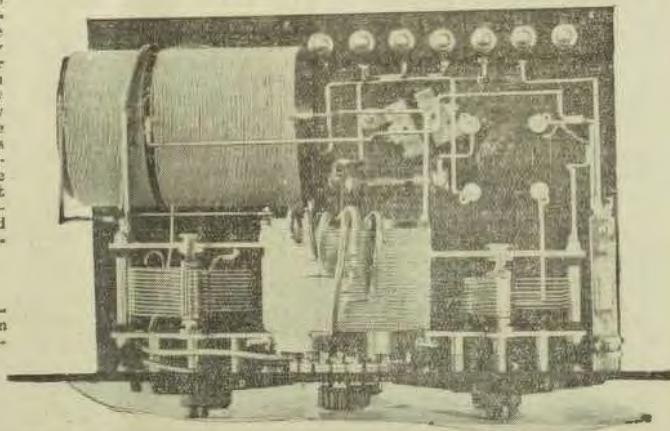
It should have been mentioned previously that two small holes—big enough for a contact stud—should be provided in the edge of coil D former, approximately one-third of the circumference of the coil apart, and on the 1 of an inch edge left free from wire. Through these holes should be fixed a screw or contact stud to support a small bracket made from a piece of busbar and shaped in such a way that they will be gripped under the nut of the switch stops on the panel. These brackets, of course, are not seen being inside the coil former. Of course it is easier for soldering purposes to solder the taps first, then fix the former to the panel in the manner prescribed.

It will be noticed that the terminal board used boasts of seven terminals, but only six are used, one being left free—the Bx amplifier in fact.

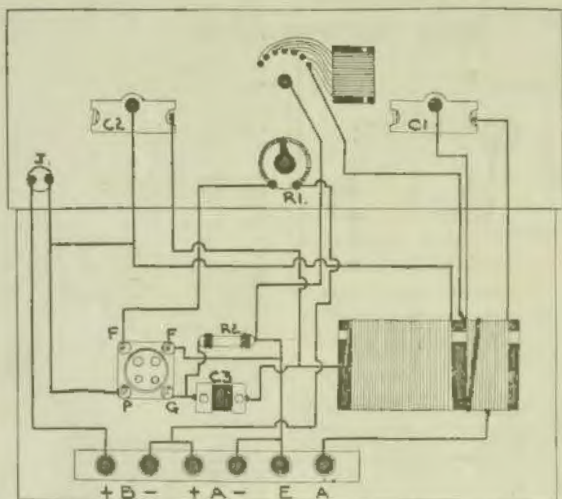
Testing.

Check every connection to be sure that no error has arisen, and then hook on the aerial and earth and connect up the correct A battery to suit the valve being used. The B battery may be between 100 and 45 volts according to the valve used. Be sure you don't connect the B battery to the A battery terminals, or you will have to replace the valve which, while pleasing the hearts of the radio dealers, to put it mildly, hurts the feelings of the constructor.

Leaving your condensers set at zero, plug in the 'phones and turn up the rheostat. Slowly turn both dials together until the nearby station is



A photograph of the baseboard layout. The rheostat is hidden by the tapped coil.



The simple wiring diagram of the Cochran receiver. No novice is likely to experience difficulty in constructing a set if he follows this correctly.

heard. Remember all the time you have a sharply tuned receiver, so you are not allowed much leeway on the dials. Tune in this station to the loudest pitch possible, then rotate the switch over the contact stud until the most suitable stud is found. A slight retuning, particularly of the smaller condenser, will effect a vast difference in signal strength. If the receiver is inclined to oscillate too freely, then turn back the rheostat until the oscillations disappear. Remember that vernier dials are strongly advised, particularly if inter-State stations are to be received. The switch arm is very interesting indeed, as it shortens or lengthens the aerial according to the degree of selectivity desired. Use the condensers slowly and the rheostat judiciously and an excellent receiver will render yeoman service.

Test Report.

At Merrickville, using a Mullard P.M.3 valve, excellent results were received as mentioned at the beginning of the article. Other Mullard and De Forest valves were tried and used with equal success. We are so pleased with the qualities of this set that next

week we will describe how to build an amplifier to increase the volume to loud speaker strength.

CANADIAN LISTENERS INCREASING.

Wireless trade developments in Canada have been very rapid during the last three years, and there exist at present about sixty broadcasting stations catering for 155,000 licensed listeners. Broadcasting is under Government control, and comes under the Marine Department's jurisdiction, which deals with regular broadcasting as well as official signalling to ships at sea. The licence fee is 4/6 per annum.

Britain supplies about 30 per cent. of the country's requirements in sets and component parts. The numerous small companies which sprang into being with the first boom in wireless are now mostly consolidated into fifteen important firms. There is also a considerable import trade, in which America heads the list, with Great Britain second, France third, and Germany fourth.

The market is constantly widening, and Great Britain has every prospect of more successful competition with U.S.A. She is favoured by a preferential tariff of 10 per cent. less than the ordinary rate. There is a good market for British amplifiers and loud-speakers of first-class quality. The French competition is strongest in loud-speakers, but in all other apparatus America is Great Britain's strongest rival. Under the commercial treaty with France a duty of 22 1/2 per cent. is payable on French goods, 5 per cent. less than the ordinary tariff.

WIRING INSTRUCTIONS

Join on terminal board B- in A+ and thence to right hand side of rheostat.

Join on terminal board A- to Ground or Earth terminal, thence to right hand F terminal of socket and to right side of grid leak.

Connect left hand side of rheostat to left hand terminal of valve socket.

Clamp grid condenser under G terminal of valve socket and join other side of grid condenser to nearest end of coil B (68 turns) and thence to fixed plates of C2 (17 plate).

Join remaining side of grid leak to grid terminal of valve socket. Join bottom end of SG Jack to moving plates of C2 (17 plate), thence to P terminal of valve socket and from thence to remaining side of coil B (65 turns).

Link together B+ terminal of terminal board to top side of jack. Connect moving plates of C1 (23 plate) to nearest end of coil C (37 turns) and the other side of this coil to the fixed plates of condenser C3.

Run a flexible connection from the A- side of the grid leak to the switch arm.

Next solder connections from each top of coil D (53 turns) to each respective stud, also the beginning and end of this coil to the respective two outside contact studs.

Run a flexible lead from Ant terminal of terminal board around the nearest end of coil C (37 turns) for use turn in the same direction as the winding itself and thence to the outside stud to which the beginning of coil D is soldered.

This completes the wiring.

HOW TO TUNE

- ☞ A Neutrodyne
- ☞ A Browning - Drake
- ☞ A Harkness Reflex
- ☞ A Super Heterodyne

LAST week we learned how to tune a straight out detector circuit, we learned the method of tuning in on a carrier wave, we learned just what an important part may be played by a rheostat in some receivers, and now let us discuss the methods of handling a receiver employing radio frequency.

At the very outset let it be understood that audio frequency or note magnification plays no part in tuning. It is the detector circuit and the radio frequency circuits that require tuning, and very often careful tuning at that. Remember, too, that a receiver using regeneration is a little more critical of control than those without regeneration. Many multivalve sets don't employ regeneration in any direct shape or form, and are, therefore, easy to handle. Take a five-valve Neutrodyne for example. This well known and rightly popular receiver comprises two stages of radio frequency, detector, and two stages of audio frequency.

Radio frequency, we know, serves its purpose by building up the power of a signal before it is detected. Radio frequency is the term applied to the energy which is transmitted from a transmitting station and is really an alternating current which changes the direction of its flow many thousands of times a second. To further explain alternating current it may be described as an electrical energy which flows first in one direction and then in the opposite direction round a circuit alternately. One way round the circuit is taken as positive and the other as negative. The time intervals for the two directions are usually equal in magnitude but opposite in direction after the expiration of equal fractions of the intervals. Alternating Electro Motive Forces and Magnetic Fluxes may be defined in a similar manner.

The sequence of values attained by the current in passing through one complete set of positive and negative values is called one Cycle (or wave

Being a continuation of the article "To Tune or not to Tune" in last week's issue. In this article the writer gives some helpful hints on the art of tuning several well known receivers.

when plotted a graph to a time base). The number of cycles passing a given point in one second is known as the Frequency.

Now broadcasting stations transmit energy at an enormous frequency, too high, indeed, for the human ear to detect—the eardrums won't vibrate at such a high speed to hear these sounds normally. This is known as radio frequency, and as mentioned is beyond human hearing without the aid of something to lower or detect this frequency. This is precisely what the detector valve, or a crystal for that matter, does; it detects and renders audible the sounds emitted at this radio frequency.

It is quite accepted that this radio frequency energy can be built up before detection, so that we have receivers employing one, two and three stages of radio frequency which is explained in its functioning increases the value of signals received, building it up in each stage.

The Neutrodyne, previously mentioned, employs two stages of radio frequency, so that a weak signal, too weak to actuate a detector valve straight out, is built up in strength, passed on to the detector, and detected or rectified, and then through the audio amplifiers to the loud speaker.

This means that the very weak signal which may come from the inter-State stations such as G.L.O. Melbourne, is built up in strength, firstly by the radio frequency portion of the receiver, then detected and then built up again by the audio-frequency section afterwards, and then produced through the loud speaker. It is, therefore, understood that a signal ordinarily too weak to actuate a straight out detector valve, can be made strong enough with radio frequency to do this job and consequently be heard through the loud speaker with the addition of audio frequency.

This, we realise, is apart from the subject of tuning, but is of such a kindred subject to merit this short description here. As has been pointed out last week, one must realise what is going on within one's receiver before it can be thoroughly understood, and the most made from it. The radio frequency transformers used in a Neutrodyne are so designed that selectivity results, and only the secondary of these neutroformers or radio frequency transformers are tuned with variable condensers. As again these neutroformers are usually matched—that is, they are all of the same inductance and, incidentally, capacity value—it follows that as three are used in the average circuit, and all three are invariably tuned by the same brand and the same capacity condenser when a certain station is received, all dials, three altogether, should read the same. For example, after slowly turning two out of three dials very slowly—we only have two hands—it is only necessary to bring the third dial into the same reading as the other two at which the desired station should be received at maximum strength. Understand that now!

To put it more plainly, suppose using the right hand on the third dial, that is the dial governing the condenser which tunes the grid of the detector valve, and again the left

hand is on the dial which tunes the middle condenser, and by very slow turning of these two dials, keeping both in unison, a certain local station is heard ever so faintly by bringing the third condenser into unison, or to the same degree setting the desired station should be heard at maximum volume. A slight readjustment will give this for yourselves.

Once the local station, or the two local stations are located, say 2BL and 2PC, it, therefore, follows that 3LO and 4QG and 5CL will be found between the settings of the two local stations. Suppose, for example, that 2BL is located at 32 degrees on the dial and 2PC in 30 degrees, then look for 3LO on 35 degrees, 4QG on 40 degrees and 5CL on 42 degrees. Only by slow turning of the two dials mentioned can stations be located. With a properly neutralised receiver the different stations should just slide in without any sign of carrier wave, and provided the aerial is not too long—not longer than say 70 feet—and provided the dials are evenly matched, no difficulty should be experienced in any way in bringing in all stations below 600 metres and above 200 metres. This is the usual wave-length governed by Gridin, Watless, or Radiocos Neutroformers in conjunction with a 00035 mfd. S.L.F. condenser.

With the Airzone neutroformers a 0001 mfd. condenser is required to cover the wave length. Bear in mind a Neutrodyne, usually tuned, The Browning Drake, on the other hand, uses regeneration and accordingly, though simple to tune, it is, perhaps, slightly more difficult than a Neutrodyne. This fact is brought about by the use of regeneration purely and simply. Regeneration in this instance takes the form of a rotor coil acting in the field of a grid coil governing the input to the detector valve. To tune this circuit correctly the rotor should be left at right angles to the grid coil and both condensers rotated slowly again until a local station is heard. Then by carefully using the reaction the volume of signals will be increased until a point is reached when extreme oscillation is produced. Keep away from this point and return carefully with the second condenser. Now plot out where the other local A class station is and determine approximately just where the distant station may be reconciling in your mind as far as is possible the relations between the wavelength of the desired station and the dial reading. Of course, don't forget to incorporate a .001 fixed condenser across the primary of the first audio transformer, otherwise the set will not oscillate as nicely as it should. If, on the other hand, the set is inclined to oscillate

too violently reduce the capacity of this condenser to .0005 or .00025. This hint is worth while.

Sometimes again it happens that there is not sufficient value of selectivity in a Browning Drake or in any other set for that matter, and it is a drawback which makes one think seriously. The writer had that experience some time back, and it was overcome by including a .0001 condenser in series with the aerial event. This proved worth while. Another method of making the Browning Drake receiver more selective is to loosely couple the aerial circuit. By loosely coupling I mean the insertion of another coil alongside of the grid coil and connecting the aerial to one side of this coil and the earth to the other side. This coil may conveniently be a honeycomb coil or a Reactance Coil placed inductively to the grid coil, that is alongside and close to the grid coil, so that the windings of both coils are running in the same directions. The aerial and earth should, of course, be disconnected from the existing coil and transferred to the newly installed coil, which need not be tuned by a variable condenser. Realise, of course, that when this extra coil is added much sharper tuning will result on the first condenser. The second condenser is at any time very sharp in tuning. The Browning Drake is an extremely selective receiver, and is capable of bringing in all inter-State stations excepting GWP at loud speaker strength. Ofttimes difficulty is met with in neutralising the radio frequency valve, so it behoves the constructor to employ a valve of a low internal capacity in this radio stage. Such a valve is of the UX199 type for 4 volts or a True Blue Power Plus Valve for a 6 volt accumulator job. These valves are much more easily neutralised than the standard 201a type and are worthy of great consideration.

The Harkness Reflex having two dials is indeed very simple to tune. Read over the instructions in last week's "Wireless Weekly" with reference to dial handling and rheostat and B battery control. Valves play a most important part, and it is good to see the British manufacturers making special purpose as well as general purpose valves. For example, we have valves designed especially for radio frequency purposes, for detectors and for low frequency amplification, as well as power amplification. These special purpose valves are interesting from the point of view of tuning, and are, therefore, included in this article. The Super Heterodyne is just a bit different to the average straight receiver from the point of view of tuning. Suppose the receiver has a

separate oscillator valve there will be at least two dials, one tuning the grid circuit of the detector valve and the other tuning the oscillator condenser.

In operation, the main tuning condenser is slowly rotated in the usual way, while the oscillator condenser is swung fairly rapidly backwards and forwards over a small arc until the desired station is picked up. When the receiver is first handled it will be necessary to rotate the oscillator condenser round its full scale for every degree or so of the grid condenser, until the settings of the two which approximately correspond have been discovered.

Subsequently it will be possible to confine the searching with the oscillator condenser within much smaller limits. For any given position of the grid condenser, it will normally be possible to bring in the signals at two distinct settings of the oscillator condenser. Either of these may be chosen by the operator, and in the event of interference from undesired stations it will often be possible by selection of the correct one of the two settings to eliminate the interfering station altogether.

These receivers mentioned are perhaps the most popular of all, and the hints given here we hope will serve a useful purpose. Secret of successful tuning lies in handling the dials very slowly, for, paradoxical as it may seem, it is only by learning slow handling that one can be accomplished at quick tuning. After all one must learn to write slowly before one can do so quickly. Remember, it is true.

CHECK HAYES, THE TALKATIVE CHAP: During the past three or four years, various brands of humor having sprung into being. We no longer rely upon the old-fashioned red-nosed comedian, who works hard to get a laugh, and who relies, in his turn, upon a pair of dilapidated trousers and a battered bowler hat to move his audience to mirth. As a matter of fact, this style of humor would not "work" on the wireless, for, as the artist is invisible, the effects would be lost. Instead of this, we have the more or less "docile" comedian, who depends on the smartness of his jokes, and the subtle induction of his voice, to get points home. One of the latest recruits to the fun makers at 2LO is Mr. Check Hayes, who billed as the "talkative comedian," has evolved a distinctly original brand of mirth, and "gets away" with some very smart patter, which listeners will find very much to their liking.

PRICE AND QUALITY.

*Baldwin speaker £1/3/1
Height 17"; Diameter
of Flare 10". Weight
6-lb. Includes 3-ft. cord.*



*CONCERT SIZE, Gold
or Silver finish £5/3/-.*

The name Nathaniel Baldwin is known throughout the world as the pioneer and premier manufacturer of Loud Speakers and Telephones. Baldwin Loud Speakers are products which occupy the first position in Radio.

The Baldwin Loud Speaker reproduces faithfully every note in the musical register, from the low tones of the organ to the high sweet notes of the violin. Each Baldwin product is made with watch-like accuracy, which assures the superiority of Baldwin instruments over any others.

This Loud Speaker is one of Nathaniel Baldwin's latest improvements, and in addition to its rich handsome appearance combines all of the features necessary for perfect loud speaker reception.

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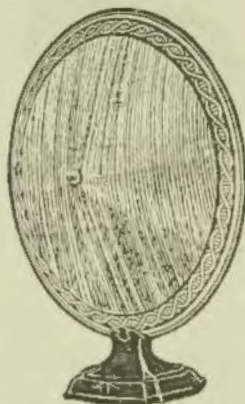
Let all the Family Hear the Duke of York

Have a Loud Speaker in readiness for the following Historic Broadcasts:—*March 26th—Duke of York's arrival. March 27th—Duke's speech to disabled soldiers. March 29th—Duke's speech to Soldiers and Sailors' Imperial League. April 1st—Barbecue. April 2nd—The corroboree. May 9th—Opening of Parliament House at Canberra.*



Brown H1.

Brown H1	£7/10/-
" H2	£3/5/-
" H3	£4/2/6
" H4	£2/-
Cabinet Model ...	£8/10/-
Type HQ	£8/10/-
Type Q	£21/-

The "Farrand" Cone
Speaker, 80/-.

Amplion AR19.

Amplion AR19 ..	£6/10/-
" AR102 ..	£1/5/-
" AR38 ..	£3/-
" AR111 ..	£3/10/-
" AR58 ..	£4/-
" AR88 ..	£5/15/-
" AR880 ..	£6/10/-
" AR88M ..	£6/10/-
" AR65 ..	£4/15/-
"Radiolux" Amplion Model RS2	£6/10/-



Amplion AR114, £5/15/-.



"Manhattan" Speaker, 23/6

The "Crossley Musicone"
Speaker, 97/6.

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Branch: 23 Pitt St., Near Circular Quay.

Branch: 384 Pitt St., Opp. Anthony Horderns

BROADCASTING PROGRAMMES

For the COMING WEEK

Friday, March 25
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.
7.10 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
7.25 a.m.—Investment market, mining share market, metal quotations.
7.35 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.
8.15 a.m.—Close down.

MORNING SESSION.

- 9.30 a.m.—Marching music for school children.
9.40 a.m.—Studio music.
10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Late "Sydney Morning Herald" news service.
10.30 a.m.—Studio music.
10.45 a.m.—A serial story.
11 a.m.—"Big Ben," Australian Press Association and Reuter's cable services.
11.15 a.m.—A talk on Home Cooking and Recipes by Miss Ruth Furst.
11.30 a.m.—Marching music for school children.
11.55 a.m.—Close down.

MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
12.5 p.m.—Stock Exchange, first call.
1.25 p.m.—Studio music.
1.30 p.m.—Rugby wireless news.
1.55 p.m.—Miss Kathleen Horn, soprano; "Piper Jang" (Carew).
1 p.m.—"Big Ben." Weather intelligence.
1.5 p.m.—"Evening News" midday news service.
Producers Distributing Society's report.
1.20 p.m.—Studio music.
1.25 p.m.—Stock Exchange, second call.
1.30 p.m.—Marching music for school children.
1.40 p.m.—Miss Kathleen Horn, soprano; "Unlil" (Sanderson).
1.45 p.m.—Studio music.
2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- 2.50 p.m.—"The Chimes of 2FC."
2.55 p.m.—A vocal recital by the pupils of Madame Slapoffski.
3 p.m.—"Big Ben." A talk on Scotland Yard by Mr. S. H. Bowden.
3.15 p.m.—Further vocal items arranged by Madame Slapoffski.
3.40 p.m.—Marching music for school children.
3.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Alice Kent, mezzo; "Powder and Patch" (Phillips).
3.45 p.m.—From the Studio: Mr. Liala Fresse, xylophone solo.
3.55 p.m.—Studio music.
4 p.m.—"Big Ben." FROM FARMER'S TEA ROOMS:

- Miss Meryl Holliday, contralto; "Mould Sweet" (Brabe).
4.5 p.m.—A music talk by Mr. Ewart Chapple.
4.55 p.m.—FROM FARMER'S TEA ROOMS: Miss Alice Kent, mezzo; "Sing, Sing, Blackbird" (Phillips).
4.25 p.m.—Mr. Liala Fresse, xylophone solo.
4.30 p.m.—Studio music.
4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Meryl Holliday, contralto; "Dreams of the Duke" (D'Hardolet).
4.45 p.m.—Stock Exchange, third call.
4.49 p.m.—Close down.

EARLY EVENING SESSION.

- 4.45 p.m.—"The Chimes of 2FC."
5.00 p.m.—"The Hello Man" talks to the children.
5.10 p.m.—A story about the Duke and Duchess of York.
5.40 p.m.—Dinner music from FARMER'S OAK HALL: Instrumental and vocal items.
5 p.m.—"Big Ben." Last minute sporting information by the 2FC Racing Commentator.
5.10 p.m.—Delaney's market reports (wool, wheat and stock).
5.15 p.m.—Fruit and vegetable markets.
5.20 p.m.—Weather and shipping intelligence.
5.25 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.40 p.m.—Announcing a programme specially prepared for the approaching entrance into Sydney Roads of the "RENOVAN."
7.45 p.m.—The Leichhardt District Band.
8 p.m.—"Big Ben." Mr. Alfred Cunningham, baritone.
8.4 p.m.—The Leichhardt District Band.
8.16 p.m.—Miss Alice Fresse, contralto; "Song of the little Folk" (Coates).
8.20 p.m.—Mr. Ellis Price, entertainer.
8.24 p.m.—The Leichhardt District Band.
8.30 p.m.—Mr. Charles Lawrence, entertainer; "All about Love" (Gray).

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

- 2FC.—Farmer's Broadcasting Station, Ltd., Sydney, wavelength 442 metres, power 5000 watts.
2BL.—Broadcasters' Ltd., Sydney, wavelength 343 metres, power 5000 watts.
2GB.—Theosophical Broadcasting Station, Ltd., Sydney, wavelength 316 metres, power 300 watts.
2KY.—Trades and Labour Council, Sydney, wavelength 250 metres, power 1500 watts.
2LW.—Olive Sandel, Sydney, wavelength 257 metres, power 500 watts.
2UC.—Olive Sandel, Waverley, wavelength 300 metres, power 500 watts.
2MK.—Muskler Bros., Balhurst, wavelength 275 metres, power 250 watts.
2L3.—Electrical Utilities Supply Co., Sydney, wavelength 250 metres, power 250 watts.
2BR.—Burrin Electric Co., Sydney, wavelength 314 metres, 100 watts.
2BL.—A. A. Dunlop, Newcastle, wavelength 258 metres, 100 watts.

- 9.48 p.m.—Miss Gwladys Finister, soprano.
9.49 p.m.—Mr. Alfred Cunningham, baritone.
9.52 p.m.—The Leichhardt District Band.
9 p.m.—"Big Ben." A message of Welcome to our ROYAL VISITORS.
9.3 a.m.—"The Deal of Bells, after which Mr. Alfred Cunningham will sing (with effects) a song of welcome, specially written for the occasion.
9.10 p.m.—The Leichhardt District Band.
9.20 p.m.—Miss Alice Fresse, contralto.
9.24 p.m.—Mr. Ellis Price, entertainer.
9.34 p.m.—Mr. Harrison White, banjo solo.
10.1 p.m.—The Leichhardt District Band.
10.13 p.m.—Mr. Charles Lawrence, entertainer; (a) "Shot up" (Harrie), (b) "That Cat" (Rutherford).
10.22 p.m.—Mr. Alfred Cunningham, baritone.
10.27 p.m.—Miss Gwladys Finister, soprano.
10.30 p.m.—Transmission from the Tivoli Theatre.
10.45 p.m.—FROM THE STUDIO: Mr. Harrison White, baritone solo.
10.55 p.m.—Late news and announcements.
11 p.m.—"Big Ben." The WENTWORTH SYMPHONIC DANCE ORCHESTRA (conductor, Mr. Sydney Simpson) in popular numbers until midnight.
12 midnight—"Big Ben." National Anthem. Close down.

2BL, SYDNEY

Broadcasters' Ltd.

Wave Length, 353 Metres.

Friday.

EARLY MORNING SESSION.

- 7.10 a.m.—G.P.O. clock and chimes.
7.16 a.m.—Metropolitan weather forecast.
7.47 a.m.—Musical programme from the Studio.
7.55 a.m.—Physical training and health exercises.
7.59 a.m.—G.P.O. clock and chimes.
7.51 a.m.—Hints on health.
7.56 a.m.—Physical training and health exercises.
7.46 a.m.—G.P.O. clock and chimes.
7.40 a.m.—Weather report.
7.47 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.
10.5 a.m.—Musical programme from the Studio.
10.20 a.m.—News service from the "Daily Telegraph."
10.55 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."
11.16 a.m.—Habbit 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.—Lond'n dairy, farm, egg and poultry market report.

- 11.55 a.m.—London metal quotations.
 11.28 a.m.—Ships in call by wireless.
 11.31 a.m.—Information by intermediate and overseas mail.
 11.33 a.m.—Shipping information—arrivals and departures.
 11.35 a.m.—Women's section—Talk on "Civinet" by Miss G. Vester, Broadcasters' women's special authority.
 11.46 a.m.—Sport notes by Mr. Jordan.
 11.53 a.m.—Mrs. Jordan replies to correspondents.
 12.5 p.m.—Talk on "Feeding the Family," by Mr. Jordan.
 12.50 p.m.—G.P.O. clock and chimes.
 12.51 p.m.—Sydney Stock Exchange calls.
 12.53 p.m.—"Sun" Newspaper's news service.
 12.55 p.m.—Billie's Instrumental Quartet—Director, Carl Kurling.
 1.30 p.m.—G.P.O. clock and chimes.
 1.31 p.m.—Weather report.
 1.32 p.m.—Sydney Stock Exchange calls.
 1.34 p.m.—News from the "Sun."
 1.35 p.m.—Musical programme from the Studio.
 2 p.m.—G.P.O. clock and chimes.
 Close down.

AFTERNOON SESSION

- Raring information broadcast by courtesy of the "Sun."
 2 p.m.—G.P.O. clock and chimes.
 2.1 p.m.—Weather report and forecast.
 2.1 p.m.—Social notes from the "Sun."
 2.3 p.m.—News from the "Sun."
 2.35 p.m.—Civil Service Strain Trio—Director, Miss de Courcey Bremer.
 2.50 p.m.—G.P.O. clock and chimes.
 2.51 p.m.—News from the "Sun."
 2.55 p.m.—Musical programme from the Studio.
 3 p.m.—G.P.O. clock and chimes.
 3.01 p.m.—Civil Service Strain Trio.
 3.15 p.m.—Social story.
 3.20 p.m.—G.P.O. clock and chimes.
 3.21 p.m.—Musical programme from the Studio.
 3.45 p.m.—Producers' Distributing Society's fruit and vegetable market report.
 3.50 p.m.—Shipping information when available.
 4.03 p.m.—Day's racing resume on race data.
 4.05 p.m.—News from the "Sun."
 4.08 p.m.—Resume of night's programme.
 4 p.m.—G.P.O. clock and chimes.
 Close down.

EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. clock and chimes.
 5.45 p.m.—"Little Willie and Dandy Lung Liza" will entertain the kiddies.
 6 p.m.—The puppets of Miss Monica Smully will entertain the kiddies.
 6.40 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

- 7 a.m.—G.P.O. clock and chimes.
 Australian Mercantile, Land and Finance Co.'s report.
 Weather report and forecast.
 Stock Exchange calls.
 Producers' Distributing Society's fruit and vegetable market report.
 Fruit and Golden report ("Sun").
 Dairy produce report ("Sun").
 7.15 p.m.—Country news from the "Sun."
 7.30 p.m.—Talk on "Standard Bounce," by Mr. G. Cooper, Park Superintendent of City Council.
 7.45 p.m.—Talk on "The Tour of the Redwood" by Mr. Hulme.
 8 a.m.—G.P.O. clock and chimes.
 Broadcaster's Topical Chorus.
 8.1 p.m.—Broadcasters' Trio.
 8.3 p.m.—Mr. Albert Carlisle, tenor.
 8.20 p.m.—Mr. Stan Cartmel, comedian.
 8.27 p.m.—Miss Myrtle Hobbs, soprano.
 8.34 p.m.—Miss Eily Dalgleish, soprante.

- 8 p.m.—G.P.O. clock and chimes.
 Weather report and forecast by courtesy of Mr. C. J. Mars, Government Meteorologist.
 8.11 p.m.—Miss Mary Neal, contralto.
 8.15 p.m.—Resume of following day's programme.
 Announcements.
 Incident.
 9.1 a.m.—Mr. Albert Carlisle.
 9.14 p.m.—The Sporting Editor of the "Sun" will talk on the prospects of Saturday's racing.
 9.21 p.m.—Mr. Stan Cartmel.
 9.25 p.m.—Interval.
 9.28 p.m.—Broadcasters' Trio.
 9.30 p.m.—Miss Myrtle Hobbs.
 9.33 p.m.—G.P.O. clock and chimes.
 10.3 p.m.—Miss Eily Dalgleish.
 10.8 p.m.—Miss Mary Neal.
 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.
 10 midnight—G.P.O. clock and chimes.
 National Anthem.

2GB, SYDNEY

Theosophical Broadcasting Service.
 Wave Length, 316 Metres.

Friday.

MORNING SESSION.

- Cherico Hour, conducted by Mr. J. N. Powell.
 9 a.m.—Music.
 9.5 a.m.—Psychological Class.
 9.15 a.m.—Music.
 9.25 a.m.—Biographical Talks for Behovitz.
 9.40 a.m.—Music.
 9.45 a.m.—Close down.

AFTERNOON SESSION.

- 3.30 p.m.—Music.
 4.15 p.m.—Talk.
 4 p.m.—Music.
 4.5 p.m.—Talk.
 4.50 p.m.—Music.
 4.50 p.m.—Talk.

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

- 2LO.—Broadcasting Company of Australia, Ltd., Melbourne, wavelength 161 metres, power 5000 watts.
 3UJ.—Queensland Radio Service, Brisbane, wavelength 385 metres, power 8000 watts.
 2CL.—Central Broadcasting Ltd., Adelaide, wavelength 495 metres, power 5000 watts.
 4WF.—Western Farmers, Ltd., Perth, wavelength 1295 metres, power 5000 watts.
 7ZL.—Tasmanian Broadcasters, Ltd., Hobart, wavelength 634 metres, 3000 watts.
 JAR.—Associated Radio Co., Ltd., Melbourne, wavelength 484 metres, power 1000 watts.
 3DB.—Draughts Business and Technical College, Melbourne, wavelength 255 metres, power 500 watts.
 81Z.—O. J. Nilzee & Co., Melbourne, wavelength 313 metres, power 100 watts.
 41R.—Gold Radio Electric Service, Townsville, Queensland, wavelength 274 metres, power 100 watts.
 8KA.—Special Radio Broadcasting Station, Adelaide, wavelength 259 metres, power 1000 watts.
 8DN.—SDN Pty., Ltd., Adelaide, wavelength 213 metres, 600 watts.

EVENING SESSION.

- 8.30 p.m.—Children's Session conducted by Mr. Powell.
 7.16 p.m.—Music.
 7.20 p.m.—Address by The Rev. G. S. Attridge. "Do you really want to be happy?"
 7.30 p.m.—Music.
 7.35 p.m.—Chorus Talk.
 7.55 p.m.—Chorus solo, DAN SCULLY.
 8.1 p.m.—Address by Professor Ernest Wood.
 8.15 p.m.—A short talk on Beethoven in commemoration of his death, followed by a programme of chamber music and songs from his works.
 8.25 p.m.—Violin and piano Sonata by Beethoven; article, DAN SCULLY, ADA BROOK.
 8.40 p.m.—Piano Sonata by Beethoven; article, ADA BROOK.
 8.49 p.m.—Songs by Beethoven; article, Nellie Ravens.
 8.55 p.m.—Announcements.
 9.2 p.m.—Talk Talk.
 9.18 p.m.—An hour with the 2GB String Quartette: FLOYD DAVIES, MONICA BURDET, CHARLES ROULT, MURRELLE LANG.
 9.50 p.m.—Songs by Beethoven; article, Nellie Ravens.
 9.57 p.m.—Chorus Talk.
 10 p.m.—Great Thoughts from Great Minds.

3LO, MELBOURNE

Broadcasting Co. of Aust.
 Wave Length, 271 Metres.

Friday

MIDDAY SESSION.

THE STUDIO ORCHESTRA.

- E. MASON WOOD, Baritone.
 AGNES FORTUNE, Piano.
 ALMA HORLOCK, Soprano.
 DOROTHY FOXBURGH, Viola.
 CHECK HAYES, The Talkative Chapp.
 Announcer: ALFRED ANDREW.
 Accompanist: AGNES FORTUNE.
 Results of Public School Cricket will be given at the Luncheon, Tea and Stumps adjournments.
 12 noon—Time signal, British Official Wireless news from Rugby, Reuter's and the Australian Press Association Cables, Stock Exchange information, "Argus" and "Herald" news service.
 12.30 p.m.—STUDIO ORCHESTRA: "New Sullivan Selection."
 12.40 p.m.—E. MASON WOOD, baritone: "Tuzade's Song" (Armon Blaz).
 12.47 p.m.—AGNES FORTUNE, piano.
 12.54 p.m.—ALMA HORLOCK, soprano: "Thou'rt like a lovely flower" (Schumann); "Who's Love is Kind."
 1.1 p.m.—STUDIO ORCHESTRA: "Two Nocturnes" (Aufflie).
 1.11 p.m.—Weather reports.
 1.16 p.m.—DOROTHY FOXBURGH, viola: "Intermezzo" (Brahms).
 1.23 p.m.—E. MASON WOOD, baritone: "Uncle Home" (Homer), "The Garden of Allah" (Macabill).
 1.53 p.m.—STUDIO ORCHESTRA: "Three Irish Pictures" (Ansell).
 1.40 p.m.—ALMA HORLOCK, Soprano: "Eina Veit's Burles of Seville." "Lackaday" (Arampton).
 1.47 p.m.—CHECK HAYES, The Talkative Chapp, has a "Spanish" news service.
 1.55 p.m.—STUDIO ORCHESTRA: "A Deep Sea Romance" (Lake).
 2 p.m.—Close down.

AFTERNOON SESSION.

Speakers:

- "AU FAIT."
 MRS. M. CALLAWAY MARGOTT.
 MRS. E. B. BRYNE and FRYER.
 MAGGIE FOSTER, Viola.
 KEITH DESMOND, Elocutionist.
 MARGUERITE VERE, Soprano.
 ORGAN RECITAL BY DR. FLOYD.

THE STUDIO ORCHESTRA.

- Announcer ALFRED ANDREW
Accompanist AGNES FORTUNE
- 7.30 p.m.—STUDIO ORCHESTRA:
Reve Angélique (Rubinstein).
- 8.10 p.m.—"AU PAIT" of Muzes, Burley & Nunn Ltd.; Fashion Talk.
- 8.25 p.m.—DR. FLOYD will give an Organ Recital from St. Paul's Cathedral.
1. "Ella's Bridal Procession to the Cathedral" from Lohengrin (Wagner).
2. "Bridal March"—Lohengrin (Wagner).
3. "The Question" (Wolfsheimler).
- "The Answer" (Wolfsheimler).
4. "Two Old Church Tunes Illustrating specified varieties of Organ Tone."
- 8.40 p.m.—OSBORNE AND PERRYER:
"Flashes of Fun."
- 8.50 p.m.—STUDIO ORCHESTRA:
"Glimpses of London" (Herbert Gray).
- 9.00 p.m.—MAGGIE FOSTER, violin:
"Melody in E."
"Walter's Prize Song."
- 9.15 p.m.—KEITH DESMOND, pianist:
"The Girl on the Stairs."
"Snores."
- 9.14 p.m.—STUDIO ORCHESTRA:
"A Dervish Chant" (Sibelius).
- 9.23 p.m.—MARGHERITE KERR, soprano:
"Aria—O San" (Dey).
- "Will you think of me" (O'Hanan).
- 9.30 p.m.—MRS. M. CALLAWAY MAHOOD:
"Art in Modern Life."
- 9.45 p.m.—"Herald" news service. Stock Exchange information.
- 9.50 p.m.—Close down.

EVENING SESSION.

- 8.40 p.m.—CHILDREN'S HOUR. Answers to letters and Christmas greetings.
- 8.55 p.m.—THELMA READY will give you two little melodies on her harp.
- 9.2 p.m.—ALMA HORLOCK, soprano:
Tiny Songs for Tiny Tots.
- 9.30 p.m.—"BILLY HUNNY" will not tell the little ones a story.
- 9.40 p.m.—ALMA HORLOCK, soprano:
Will give two more little songs.
- 9.50 p.m.—"BILLY HUNNY" stories:
"The Queen Bee."
"The Black Princess."
- 9.55 p.m.—"Argus" and "Herald" news services. Weather synopsis, shipping movements.
- 10.1 p.m.—Stock Exchange information.
- 10.2 p.m.—Fish Market reports by J. B. Borrett Ltd.
- 10.30 p.m.—River reports.
- 10.38 p.m.—Market reports by the Victorian Producers' Co-operative Co. Ltd. Haymarket sheep sales. Poultry, Grain, Hax, Straw, Juice, Dairy Produce, Potatoes and Onions.
- 10.5 p.m.—Market reports of Fruit, by the Victorian Fruitgrowers' Association, compiled by the "Fruit World," exclusive of 10. Market prices of oranges and lemons by the Victorian Central Citrus Association Pty. Ltd.

NIGHT SESSION.

- Speakers:
MR. D. B. ADAM, MR. H. K. LOVE,
"CARDIGAN"
- THE STUDIO ORCHESTRA.
HASTINGS AND ADAIR.
TASMA TIERNAN, Violin.
KEITH DESMOND.
MADAME E. ASHLEY, Soprano.
REG. WYKHEATH AND PRESSY PRESTON.
SYD. L. EXTON, Tenor.
OSBORNE AND PERRYER.
BESSIE GAUNSON, Violin.
CHECK HAYES, The Talkative Chap.
THE COLLINGWOOD CITIZENS' BAND.
Announcer MAURICE DUDLEY
Accompanist AGNES FORTUNE
- 7.15 p.m.—Under the auspices of the Department of Agriculture, MR. D. B. ADAM, Vegetable Pathologist, will speak.
- 7.30 p.m.—STUDIO ORCHESTRA:
"Serenata" (Makowski).

- 7.38 p.m.—HASTINGS AND ADAIR:
Song "Looking at the world through rose-colored glasses."
"Hello, Little Girl of my Dreams."
Comedy, "I know where the Flies Go."
- 7.50 p.m.—TASMA TIERNAN, Violin:
"Chant Sans Paroles" (Tschakowsky).
- 7.56 p.m.—KEITH DESMOND:
"Bridges" (Spoon).
"The Lounger."
- 8.2 p.m.—COLLINGWOOD CITIZENS' BAND:
conductor, MR. F. C. JOHNSTON:
"A Rustic Suite."
- 8.12 p.m.—MADAME E. ASHLEY, soprano:
"Il Bacio."
"Little Brown Cottage."
- 8.19 p.m.—STUDIO ORCHESTRA:
"Brazz Marie" (Frumi).
- 8.21 p.m.—CHECK HAYES, The Talkative Chap:
"Sally, not the same old Sally."
"I ain't in love no more—and no wonder."
- 8.35 p.m.—COLLINGWOOD CITIZENS' BAND
"Duck's Minuet."
Duet from "Il Trovatore"—Moreira, Noidola, W. Honey and A. Thorne.
- 8.48 p.m.—SYD. L. EXTON, tenor:
"Mary" (Richardson).
"The Secret" (Sokol).
- 8.53 p.m.—MR. H. K. LOVE:
"Technical Talk."
- 9.0 p.m.—STUDIO ORCHESTRA:
"St. Agnes' Eve" (Coleridge Taylor).
- 9.11 p.m.—MADAME E. ASHLEY, soprano:
"If I were a Lark" (Chabani).
"The Market" (Carow).
- 9.22 p.m.—OSBORNE AND PERRYER:
Radio Frolics.
- 9.23 p.m.—COLLINGWOOD CITIZENS' BAND
March, "Brilliant."
- 9.30 p.m.—"CARDIGAN"—Mr. H. A. Wall, Sporting Editor of the "Argus" and "Australasian," will speak on Saturday's Race.
- 9.40 p.m.—E. MAON WOOD, baritone:
Selected.
- 9.50 p.m.—STUDIO ORCHESTRA:
"The Merry Widow" (Lehar).
- 10.0 p.m.—"Argus" news service. British Official Wireless news service.
- 10.16 p.m.—BESSIE GAUNSON, violin:
"Ave Maria" (Massenet).
- 10.20 p.m.—REG. WYKHEATH AND PRESSY PRESTON:
Saxoph. "The Artist."

- 10.22 p.m.—SYD. L. EXTON, tenor:
"The Spirit Flower."
"Alma Mine."
- 10.41 p.m.—COLLINGWOOD CITIZENS' BAND:
Selection, "Rondeletto."
9.10 p.m.—Meteorological Information. Announcements.
- 11 p.m.—GUR GREAT THOUGHT:
"Discretion and hard work are the twins of honor"—Browning and Fletcher.
- 11.1 p.m.—JOE ARONSON AND HIS SYNCHRO-SYMPHONISTS:
"I wish I had my old gal back" (Yellen), "Angry" (Brunies).
"Dye Eye, Blackbird" (Dixon).
"In a Little Spanish Town" (Wagon), "Hollering" (West).
"That's Why I Love You" (Donaidson).
"To-night's My Night with Baby" (Meyer), "Dreaming of Madies to the Air" (Ward), "Drogony" (Cable).
"Am I wasting my Time" (Hibbs).
"Red-colored Gallop" (Stelger).
"It's the Merry" (Brown).
"John de Walter" (Arr. Berque).
"Let's Talk about my Sweetest" (Kahn).
"I Wish You were Jaalms of Me" (Rowen), "That Samson and Delilah Melody" (Sney).
11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Queensland Radio Service

Wave Length, 385 Metres.

Friday

MIDDAY SESSION.

- 1 p.m.—Market reports. Weather information. "The Daily Mail" news. "The Daily Standard" news.
- 1.30 p.m.—From Hotel Carlton: Lunch Hour Music, played by Hotel Carlton Symphony Orchestra.
- 1.54 p.m.—From the Observatories:
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.—"The Telegraph" news.
- 4.30 p.m.—Close down.

EARLY EVENING SESSION.

- 6 p.m.—"Daily Standard" news. Weather information. Announcements.
- 6.30 p.m.—Belgian Stories by "The Sandman."
- 7 p.m.—Market reports. Stock reports. Lectures—"French Agriculture—Some Economic and Social Phases"—Mr. J. F. Reid (Bull. Queensland Agricultural Journal).
7.30 p.m.—Weather news. Announcements.
7.45 p.m.—Standard Time signal.

NIGHT SESSION.

- 8.30 p.m.—Lecture (Session)—"The Modern Mind"—Mr. R. V. South, Librarian Workers' Educational Association.

BRISBANE CITY ORCHESTRA.

- The first portion of tonight's programme will comprise the broadcasting of a concert by the Ipswich City Concert Chorus, and will be relayed from the Town Hall, Ipswich.
- 8 p.m.—From the Town Hall, Ipswich:
Orchestra, march, "Triana" (Lopez), the Ipswich City Concert Orchestra (conductor, Mr. T. H. Lindsay); tenor, Mr. H. Fleischmann; solo, "Elizabeth's Prayer" from "Tannhauser"—Wagner; Miss Nancy Mulhoad; orchestra, "Brokenhearted Sparrow" (Benedict); instrumental trio, "Serenata" (Torres); Miss Inesse Fitzroy (soprano); Mr. E. Fitzroy (violin); Mr. T. White (cello); tenor solo, "Goodnight, Beloved" (Raffa); orchestra, "Egyptian Ballet" (Lizigut), the Ipswich City Orchestra.
- 9 p.m.—From the Studio: Weather news.

NEW ZEALAND STATIONS:

1YA, Auckland, The Radio Broadcasting Co. of New Zealand, Ltd.

Power 500 Watts; Wave-length, 420 Metres. Silent Night, Monday.

2YK, Wellington, The Radio Broadcasting Co. of New Zealand, Ltd.

Power 120 Watts; Wave-length, 295 Metres.

3YA, Christchurch, The Radio Broadcasting Co. of New Zealand, Ltd.

Power 500 Watts; Wave-length, 400 Metres. Silent Night, Thursday.

4YX, Dunedin, The Radio Broadcasting Co. of New Zealand, Ltd.

Power 750 Watts; Wave-length, 380 Metres.

2YM, The Gisborne Radio Co., Gisborne.

Power 50 Watts; Wave-length, 260 Metres.

BOYS' CLUB NIGHT.

The second portion of the concert provided by the Thompson Estate Presbyterian Boys' Club will be relayed from the South Brisbane Town Hall. The programme will include: Soprano solo by Mrs. P. Knott; violin solo by Mr. Luis Amadio; Piano: tenor solo, Mr. W. W. Crisp; melodrama, Miss G. Whilduff; bass solo, Mr. Stanley Tamblyn; Hawaiian instrumental items, Messrs. Gardner and Block; contralto solo, Mrs. Bieck; piano solo, Mr. Tall.

10 p.m.—From the Studio: Week-end road information for motorists, officially supplied by the Royal Automobile Club of Queensland. "The Daily Mail" news. Weather news. Close down.

5CL, ADELAIDE

Central Broadcasters, Ltd

Wave Length, 395 Metres.

Friday.

MORNING SESSION.

12 noon.—G.P.O. Chimes
12.1 p.m.—Selections on Automatic Reproductor and new Reproductor Service.
12.30 p.m.—"Advertiser" news service.
1.25 p.m.—Market reports.
1 p.m.—Musical programme continued.
2 p.m.—G.P.O. Chimes, and close down.

AFTERNOON SESSION.

3 p.m.—From Maple Leaf Cafe—Orchestral selections.
3.45 p.m.—Selections from the Studio.
4 p.m.—G.P.O. Chimes.
4.15 p.m.—Relay from the Adelaide Cafe—Orchestra, and Studio.
4.55 p.m.—Market reports.
5 p.m.—G.P.O. Chimes. Close down.

EVENING SESSION.

6 p.m.—G.P.O. Chimes.
6.15 p.m.—Dinner music.
7 p.m.—Bedtime stories.
7.30 p.m.—Market reports.
7.45 p.m.—Sporting talk by "Metropolitan".
8 p.m.—G.P.O. Chimes.
8.1 p.m.—Relay from Malcolm Beale's Orchestral selections.
8.15 p.m.—Song, Miss Elsie Kilduff.
8.18 p.m.—Malcolm Beale's orchestra.
8.24 p.m.—Song, Mr. Eric Stephenson.
8.38 p.m.—Malcolm Beale's orchestra.
8.42 p.m.—Song, Miss Elsie Kilduff.
8.44 p.m.—Malcolm Beale's Orchestra.
8.58 p.m.—G.P.O. Chimes.
9.1 p.m.—Weather report.
9.15 p.m.—Daily news report.
9.25 p.m.—Malcolm Beale's orchestra.
9.35 p.m.—Points from the studio champion.
9.55 p.m.—Song, Mr. Keith Stewart.
9.58 p.m.—Song, Mr. Harry Woodward.
9.43 p.m.—Banjo solo, Mr. Seth Smith.
9.57 p.m.—Song, Miss Elsie Kilduff.
9.51 p.m.—Malcolm Beale's orchestra.
9.57 p.m.—Song, Mr. Eric Stephenson.
10 p.m.—G.P.O. Chimes.
10.1 p.m.—"Advertiser" news service.
10.15 p.m.—Malcolm Beale's concert continued.
10.25 p.m.—Song, Miss A. Newell.
10.25 p.m.—Banjo solo, Mr. Seth Smith.
10.35 p.m.—Song, Mr. Keith Stewart.
10.37 p.m.—Malcolm Beale's orchestra.
10.42 p.m.—Song, Mr. Harry Woodward.
10.48 p.m.—Song, Miss A. Newell.
10.55 p.m.—Malcolm Beale's orchestra.
10.58 p.m.—Song, Mr. Eric Stephenson.
11 p.m.—G.P.O. Chimes, and close down.

6WF, PERTH

Western Farmer's,

Wave Length, 1250 Metres.

Friday

10.30 a.m.—Tune in.
11.15 a.m.—First local news bulletin.
Market reports.
Cally.
1 p.m.—Time signal from Perth Observatory.
1.15 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.35 p.m.—Studio Quintette.
March: "Spartan" (Percy).
Valse: "Death" (Dunskovars).
Overture: "Orpheus" (Offenbach).
"Domenica" (Schumann).
Selection: "Maritima" (Welles).
"Las Caravas" (Hoff).
2 p.m.—Close down.
2.30 p.m.—Paris in.
2.35 p.m.—Musical programme.
3.50 p.m.—Close down.
7 p.m.—Tune in.
7.15 p.m.—Musical evening for the kiddies, by Aunt Dollys and Charles Henry. Ladies, Pairs, Rag and Duff.
8.00 p.m.—Book and share intelligence.
Market reports.
Cally. News supplied by the courtesy of "The West Australian" Newspaper Co.
8.30 p.m.—Time signal from Perth Observatory.
8.45 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
8.55 p.m.—A HIGBY.
Lecture: No. 4.—"The Sonata and its development," by Miss Florence Hood, L.R.A.M.
No. 5.—"Sonata for two voices and piano" (Purcell), Messrs Wright and Hood.
No. 6.—"Sonata in A Flat" (A. P. El Bach), Miss Fox, L.A.M.
9 p.m.—From the Studio.
Dances by Misses Mason and De Winter, instrumental solo, of the sa. Katoonia.
Talk: "Gardening Notes" by Mr. E. A. Hughes, corresponding Member, Duxton and Garrison.
10 p.m.—Second local news bulletin, supplied by courtesy of "The Daily News" Newspaper Co.
10.50 p.m.—Close down.

Saturday, March 26
2FC, SYDNEY

MORNING SESSION.

8 p.m.—"Big Ben" and announcements.
8.5 p.m.—FROM THE DECK OF THE NEWLY-BUILT AND HUNTER RIVER STEAM COMPANY'S BOAT, "GWYDRI" proceeding outside the Heads to take up a position in view of the arrival of the "WELSHMAN" the annual "Sydney Morning Herald" news service will be given, interspersed with items by a brass band on board the "Gwydri".
This transmission will be carried out by means of a transmitting set erected on the seamer and placed up an lead relayed to the Studio by special lines and then sent in constant hills to broadcast.
The sa. "Gwydri" will follow the "Renown" until anchor is dropped at the place allotted. Descriptions will continue with all the attendant atmosphere and notes.
10.30 a.m.—Interad.

10.45 a.m.—FROM THE SPECIAL PLATFORM—erected for broadcasting companies—address to the landing unions at Farm Cove, a description of the skated scene surrounding the landing, with full catalogue of the Royal Visitors leaving the "Renown" in Neutral Bay and going through the avenue of boats to the landing stage.

The Reception by the Prime Minister will take place, and later on the Reception by the State Governor and State Ministers. The usual inspection of the Guard will be made and the procession through the city will commence at approximately 11.50 a.m. APPROX.

11.55 a.m.—FROM FARMER'S STRONG POINT at the corner of George and Market Streets. Brass Band items with choral numbers sung by the Sydney Harmonic Society, conducted by Mr. W. Bourne.
The Brass Band of 40 members will give melodious tunes, interspersed with descriptions of the procession by the skimmer.
APPROX.

12.30 p.m.—Close down.

AFTERNOON SESSION.

2 p.m.—"Big Ben" and announcements. Weather Intelligence.
2.30 p.m.—"Fusion News" midday news service. Stock exchange information.
2.50 p.m.—Studio music.
NOTE: During the afternoon the Rosehill Racing Club's meeting will be described direct from the Course.
During the intervals of racing events items will be taken from the Westwark Symposium, Casino, and the Woburn Instrumental Trio playing at the Studio.
3.00 p.m.—Complete resume of the afternoon's sporting news.
3.25 p.m.—"Big Ben" Close down.

EVENING SESSION.

6.45 p.m.—The Chimes of 2FC.
6.55 p.m.—"The Helms Man" talks to the studio.
8.30 p.m.—A story of the Royal Landing this morning.
8.45 p.m.—Dinner music.
8.50 p.m.—"Big Ben" Late sporting news and complete resume of the day's happenings.
9.00 p.m.—"Fusion News" late news service.
9.20 p.m.—Weather Intelligence. Studio music.

NIGHT SESSION.

10.45 p.m.—Programme announcements.
10.50 p.m.—More about the Royal Visitors.
10.55 p.m.—"Big Ben" FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY. The Orchestra, conducted by Mr. Harry Stone.
11.15 p.m.—Miss Mabel Hatchelor, soprano: "Grand Invalant" (Ponchetti).
"Wonder Time" (Debut).
11.21 p.m.—The EFC Dance Band, conducted by Mr. Eric Pearce.
11.28 p.m.—Miss Virginia Bassetti, contralto.
11.35 p.m.—Mr. Cliff Arnold, novelty pianist.
11.38 p.m.—THE CRYSTAL PALACE THEATRE ORCHESTRA, conducted by Mr. Harry Stone.
11.45 p.m.—FROM THE STUDIO.
Miss Mabel Hatchelor, soprano: "Won't you tell me" (Claribel).
11.50 p.m.—Mr. Jack Lunstead, songs at the piano.
12.02 p.m.—Miss Virginia Bassetti, contralto.
12.10 p.m.—The EFC Studio Dance Band in popular numbers.
12.15 p.m.—Miss Dorothy Dewar, songstress.
12.25 p.m.—Mr. Cliff Arnold, novelty pianist.
12.35 p.m.—Miss Mabel Hatchelor, soprano.
"There is one" (For the Road) (Gower).
12.50 p.m.—Mr. Jack Lunstead, songs at the piano.
1.00 p.m.—Miss Virginia Bassetti, contralto.
1.10 p.m.—The EFC Studio Dance Band, with the popular numbers, Mr. Len Harrier.



Emmco transforms, & amplify music and speech without distortion, because they are designed and manufactured to the highest possible degree of electrical and engineering efficiency. Ratios 2 to 1, 3½ to 1, 5 to 1, 7½ to 1 ... 21/-



Made of moulded bakelite, adaptable for all standard valves and with rubber shock absorbing cushions, Emmco valve sockets cannot become displaced by long usage. Springs make positive contact, eliminating all microphonic noises. They are of handsome appearance. Price 4/6



Every detail in the Emmco headphones is manufactured to the highest standard of efficiency. A light spring headband, with sliding adjustment, on each ear-piece, enables them to be worn with utmost comfort. Price 21/-

Emmco—Efficiency

Before you buy the parts for your new 1927 receiver inspect EMMCO components at your dealer's. You will find that the EMMCO parts illustrated on this page have no superior in price or quality. In other words EMMCO parts mean Economy and Efficiency.



Constructed with one new style metal frame and Bakelite knob, the Emmco Rheostat cannot lose its adjustment, because of the double inside grip on sliding arm. Price, for 6, 10, 20 and 30 ohms. 4/6

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A Lightning Arrester is a positive necessity for the adequate protection of any radio receiver. The Emmco Lightning Arrester is mounted on a bakelite base, and the gap principle prevents static corrosion, at the same time affording an easy path to earth for heavy static discharges. 4/3

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Bakelite moulded frame, ball-bearing adjustment and pig-tail connection are main features of the Emmco straight line frequency condenser. Prices, .0005, 25/-; .0005, 33/6; .00025, 22/6.

10.55 p.m.—THE CRYSTAL PALACE THEATRE ORCHESTRA.

10.15 p.m.—Miss Dorothy Dwyer, soprano.
10.22 p.m.—Mr. Cliff Arnold, novelty pianist.
10.28 p.m.—Miss Virginia Bassett, contralto.
10.30 p.m.—The 2FC Studio Dance Band.
10.43 p.m.—Miss Dorothy Dwyer, soprano.
10.50 p.m.—Trombone solo by Mr. Harry Hande.

11 p.m.—Late news and announcements.

11 p.m.—"Big Ben." The 2FC Studio Dance Band.

NOTE: During the evening opportunity will be taken for transmission and descriptions of incidents in connection with the historic landing, including actual stories told from the streets and on the harbour, and no effort will be spared to convey to listeners a complete outline of what is happening in Sydney.

11.16 p.m.—FROM THE WESTWORTH CAFE: The Westworth Symphonic Dance Orchestra in popular numbers until midnight. Conductor, Mr. Sydney Simpson.

12 midnight—"Big Ben."

National Anthem.

Close down.

2BL, SYDNEY

Saturday.

EARLY MORNING SESSION

7.11 a.m.—G.P.O. clock and chimes.

7.18 a.m.—Metropolitan weather forecast.

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

7.33 a.m.—Physical training and health exercises.

7.50 a.m.—G.P.O. clock and chimes.

8.1 a.m.—News on beach.

8.36 a.m.—Physical training and health exercises.

8.45 a.m.—G.P.O. clock and chimes.

8.46 a.m.—Weather report.

8.47 a.m.—Broadcast of Special News Service.

9 a.m.—G.P.O. clock and chimes.

Close down.

MORNING SESSION

10.10 a.m.—Description of the Royal Regatta taken by Their Royal Highnesses the Duke and Duchess of York.

11 a.m.—Official landing of Their Royal Highnesses the Duke and Duchess of York.

11.30 a.m.—G.P.O. clock and chimes.

11.51 a.m.—Talk on sporting and athletic fixtures for the day. (Lenses, hockey, golf, bowls, surfing, baseball). During the day sporting information will be broadcast by courtesy of the "Sun" Newspapers. Inter-sport with musical programme from the studio.

4.55 p.m.—Resume of night's programme.

5 p.m.—G.P.O. clock and chimes.

5.15 p.m.—Resume of day's sporting.

4.5 p.m.—Close down.

EARLY EVENING SESSION

6.45 p.m.—G.P.O. clock and chimes.

6.50 p.m.—Uncle George's story to the kiddies. Bringas will talk to the kiddies.

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

7.15 p.m.—Result of all sporting information including racing, bowls, tennis, swimming, walking, athletics, by courtesy of the "Sun."

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

8 p.m.—Programme from the studio, including:

Mr. A. T. GARGLAN (singer).

8id and Mully Owen, and Jack Netherland (novelty entertainers).

Miss Gladys Hays (soprano).

Mr. David Smith (baritone).

The main events broadcast from Maroubra Speedway.

10.15 p.m.—The Ambassadors Dance Band broadcast from the Ballroom of the Ambassadors. During intervals between dances news reports by courtesy of the "Sun" will be broadcast.

12 midnight.—G.P.O. clock and chimes.

National Anthem.

3LO, MELBOURNE

Saturday.

(PUBLIC SCHOOLS CRICKET. Results will be given at Luncheon, Tea, and Snacks Adjournment.)

11.10 a.m.—STUDIO ORCHESTRA:

"Pleasant Chase" (Dunham).

"Evening Star" (Tanhauser).

11.10 a.m.—C. RICHARD (VIOLIN, solo):

"Classical Studies" (Korndorfer).

11.15 a.m.—STUDIO ORCHESTRA:

"Ballet Music from William Tell" (Rossini).

11.21 a.m.—IAN DEVEREUX, baritone, of the Ross Marie Co., by permission of J. C. Williamson Ltd.:

"The Hills of Donegal" (Sanderson).

"I Love You Truly" (Jacobs Bond).

11.31 a.m.—THELMA READY:

Radio selections.

11.40 a.m.—STUDIO ORCHESTRA:

"An Air" (Chabrier).

11.50 a.m.—KATH DESMOND, elocutionist:

"Glimpse the Ground."

"Home."

12 noon—Time signal. British Official Wireless news from "Radio Reuter", and the Australian Press Association Cable. South Exchange information "Argus" and "Herald" news services.

12.10 a.m.—STUDIO ORCHESTRA:

"Summer Days Suite" (Grieg).

12.10 p.m.—IAN DEVEREUX, baritone:

"Onaway awake, Beloved."

12.15 a.m.—THELMA READY, banjo:

Popular airs.

12.24 p.m.—HASTINGS AND ADAIR:

"A timely sketch, 'Watts and Measures'."

12.30 a.m.—STUDIO ORCHESTRA:

"Four Great Suites"—Part 1.

1.31 p.m.—Meteorological information. Weather reports for Victoria, Tasmania, South Australia, and New South Wales.

1.35 p.m.—MARJORIE VERE, soprano:

"Mass Song."

"Thine's Love Song."

1.40 a.m.—CHRIS HAYES, The Talkative:

"Chip."

"She's Nice: All Mine."

"The Wedding of Fanny Malton."

1.44 a.m.—STUDIO ORCHESTRA:

"Four Great Suites"—Part 2.

1.48 p.m.—MARJORIE VERE, soprano:

"Just around the Corner" (Tilzer).

Selected.

2.00 p.m.—STUDIO ORCHESTRA:

"It Happened in Nordland" (Herbert).

Selected. Close down.

2.10 p.m.—Description of Two Year Old Handicap. MENTONE RACES, by "Musket" of the "Sporting Globe."

AFTERNOON SESSION

3 p.m.—Description of MENTONE PLATE. Mentone Races, by "Musket" of the "Sporting Globe."

3.15 p.m.—JOE ARONSON AND HIS SYNCOSYMPHONISTS:

"There's a Boatman on the Volga."

"I'm Not Angry with Me."

"Mary Lou."

"Ting-a-ling of the 24th."

"A Cup of Coffee, a Sandwich and You."

"Baby Face."

3.30 p.m.—Description of BRUSH STEEPLE. Mentone Races, by "Musket" of the "Sporting Globe."

3.45 p.m.—JOE ARONSON AND HIS SYNCOSYMPHONISTS:

"Until to-morrow."

"Pandaemon."

"Baby Face."

"Let's all Hurray Ford."

"Hello Alcha."

"I Don't Want Nobody but You."

"A Night of Love."

4 p.m.—Description of MENTONE HANDICAP. Mentone Races, by "Musket" of the "Sporting Globe."

4.15 p.m.—JOE ARONSON AND HIS SYNCOSYMPHONISTS:

"Beside a Garden Wall."

"Just me more Kiss."

"Just a Bird-eye View of my old Kentucky Home."

"The King of you."

"I wish I had my old old Jack."

4.30 p.m.—Description of MENTONE PURSE. Mentone Races, by "Musket" of the "Sporting Globe."

4.35 p.m.—JOE ARONSON AND HIS SYNCOSYMPHONISTS:

"The Samson and Delilah Melody."

"On the Riviera."

"Some other bird, whistled a tune."

4.45 p.m.—Herald news service. Stock Exchange information. Race results.

5 p.m.—Description of HOWEIGHT HANDBICAP. Mentone Races, by "Musket" of the "Sporting Globe."

"Sparting Globe."

Close down.

EVENING SESSION

5.30 p.m.—SPORTING RESULTS.

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

5.55 p.m.—MAGGIE FOSTER, violin:

"Liebestraum" (Liszt).

"Ave Maria" (Gounod).

6.2 p.m.—MISS KOOKABURRA will tell you more about the fiction "Starry"—about his going to school.

6.12 p.m.—MARJORIE VERE, soprano:

"Two little songs for the kiddies."

6.19 p.m.—MAGGIE FOSTER, violin, will now play two small pieces.

6.24 p.m.—MISS KOOKABURRA will tell to the bigger boys and girls the next instalment of Carol of Holthouse School. (Miss gets lost).

6.35 p.m.—"Argus" and "Herald" news services. Other information. Aerial Mail information by the Australian Aerial Services Ltd.

6.47 p.m.—Stock Exchange information. Overseas shipping.

6.50 p.m.—Fish Market reports by J. H. Borrett.

6.55 p.m.—Market reports by the Victorian Producers Co-operative Co. Ltd. Haymarket sheep sales. Fruit, Apples, and Oranges. Market prices of Oranges and Lemons, by the Victorian Central Citrus Association Pty. Ltd. Fruit Market reports by the Victorian Wholesale Fruitellers' Association, compiled by the "Fruit World" exclusive to 3LO.

NIGHT SESSION.

Speakers:

MR. W. A. M. BLACKETT, MR. R. RAWSON, DR. LEACH.

ST. AUGUSTINE'S BAND.

HASTINGS AND ADAIR.

LEN GIBSON'S NEAPOLITAN SEXTET.

I. MASON WOOD, baritone.

OSBORNE AND PERRYER.

KATH DESMOND, Elocutionist.

MAGGIE FOSTER, Violin.

CHECK HAYES, The Talkative Chap.

MATAME FORTUNE, ASILEY, Soprano.

JOE ARONSON AND HIS SYNCOSYMPHONISTS.

Accompanists AGNES FORTUNE

Announcers MAURICE DUDLEY

7.15 p.m.—Under the auspices of the Royal Victorian Institute of Architects, MR. W. A. M. BLACKETT, F.R.V.I.A., Vice-President.

R.V.I.A.:

"Melbourne's Historical Buildings of Architectural Importance."

7.30 p.m.—MR. R. RAWSON:

Extempore Talk.

7.45 p.m.—DR. J. A. LEACH:

"Albatrosses or Mollusks?"

8 p.m.—ST. AUGUSTINE'S ORPHANAGE BAND, Conductor, Mr. Percy Jones:

March, "Blanchette" (Himmer).

Intermezzo, "Gondrella's Bridal Procession" (Dirker).

8.10 p.m.—HASTINGS AND ADAIR:

"When Autumn Leaves are Falling."

"Pal of my Yesterday."

"I'm only come down for the Day."

"Never be too sure about the Ladies."

Special Announcement

BURGIN ELECTRIC CO. LTD.

desire to announce that notwithstanding the recent fire at their premises, arrangements are being made to carry on business with a minimum of delay and inconvenience to customers.

Stocks are available to immediately execute orders for standard lines of Radio Accessories, including Valves, Batteries, etc.

New stocks of

Burginphone Wireless Receivers

are being immediately put into production. Orders will now be booked for early delivery of "Standard" and "Senior" model Burginphone Receivers.

Temporary Address:

BURGIN ELECTRIC CO. LTD.

342 Kent Street, SYDNEY

Telephones: City 141; M 3069

8.30 p.m.—LEN GIBSON'S NEAPOLITAN

SEXTET: "Mardelita"; Mandolin solo, "Le Cygne" (St. Saens); "Moon River";

8.30 p.m.—E. MASON WOOD, baritone: "The Lute Player" (Albaniz);

8.47 p.m.—GIBBONS AND PERRY: "The Garden of Allah" (Marshall);

8.57 p.m.—ST. AUGUSTINE'S ORPHANAGE BAND: Selection, "Goodbye" (Sullivan);

9.7 p.m.—MAGGIE FOSTER, violin: "Spring Song" (Kievitz); "An Old Air";

9.14 p.m.—MADAME EVELYN ASHLEY, soprano: "Blackbird Song" (Scott);

9.21 p.m.—ST. AUGUSTINE'S ORPHANAGE BAND: Selection, "March of the Mannibius" (Pfeiffer);

9.31 p.m.—"The Postman" (Walker);

9.37 p.m.—"Have you ever been in a Funny Dress Hall" CHECK HAYES, The Talkative Chap, will give his experiences at our

9.41 p.m.—LEN GIBSON'S SEXTET: "Magnificent" (Nimrod);

9.46 p.m.—British official wireless news from Rugby;

10 p.m.—E. MASON WOOD, baritone: "From the land of sky blue water" (Caldwell);

10.17 p.m.—"The Early Morning" (Paul);

10.31 p.m.—ST. AUGUSTINE'S ORPHANAGE BAND: Selection, "Echoes of Evelyn Ashley";

10.41 p.m.—MADAME EVELYN ASHLEY, soprano: "Nightingale and the Rose" (Thompson);

10.47 p.m.—"Ma Corde-headed Babe" (Cortam);

10.54 p.m.—ST. AUGUSTINE'S ORPHANAGE BAND: Selection, "Maid of the Mountains" (Prater-Simpson);

10.58 p.m.—"Territorials" (Hilkenberg);

10.40 p.m.—JOS. ARONSON AND HIS SYMPO-SYMPHONISTS: "Blush of Steam";

"No Foolin'"; "T'wilight Waltz";

10.45 p.m.—"OUR GREAT THOUGHT: "The eloquent utterance of thought, by speech or action, to any end, is art."— Emerson;

10.51 p.m.—JOE ARONSON AND HIS SYMPO-SYMPHONISTS: "Then I'll be Happy";

"Rose Marie"; "Ladies Love Call"; "Pearly";

"Gimme a Little Kiss"; "Are You Ready, Lady?";

"Fire, Fire, turn the Hizz on Me"; "Rattlers";

"Precious"; "I'll Climb the Highest Mountain";

"Nightingale Nights"; "Smiling Eyes";

"Hi Diddle Diddle";

11.10 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Saturday. NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

3.25 p.m.—Tune in. 3.40 p.m.—A Music for little listeners by "Miss Waxah." 4.00 p.m.—Close down.

EARLY EVENING SESSION.

5.33 p.m.—Tune in. 5.39 p.m.—Children's Session—Bed-time stories by "Uncle Ben" and "Uncle Jim." 7.13 p.m.—Sporting News.

NIGHT SESSION.

A Musical evening will be held in the Ipswich Bowling Club House and will be relayed by 4QG. 8 p.m.—Duo, Music Concert from Ipswich. 8.10 p.m.—From the Studio: "The Sunday Mail" news service. Weather news. Close down.

SCL, ADELAIDE

Saturday. MORNING SESSION.

11 noon—4 P.M. times. 12 p.m.—Musical on New Reproducing Records and Autolone Reproducers. 12.30 p.m.—News reports. 12.45 p.m.—Market reports. 1 p.m.—Special programme continued. 2 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—Orchestral selections from Maple Leaf Cafe. 3.45 p.m.—Opera selections. 4.10 p.m.—Orchestral selection from Arcadia Cafe. 4.45 p.m.—Market reports. 5 p.m.—G.P.O. times and close down.

EVENING SESSION.

6 p.m.—G.P.O. times. 6.10 p.m.—Trimmer music broadcast to Govett Garden orchestra. 7 p.m.—Dramatic serials. 7.30 p.m.—Sporting results. 7.45 p.m.—G.P.O. times. 8.11 p.m.—Heavy from Osborne Hall—Mr. Oswald Armstrong's recitals. 8.20 p.m.—Concertium at tennis championship by Mr. J. J. Mills. 8.30 p.m.—"Beauty" Mr. H. Tideman. 8.54 p.m.—Mr. Andrew Caraboncho's orchestra. 9.10 p.m.—Song, Miss Stella Sobels. 9.14 p.m.—Mandolin-Guitar, Mr. Jack Lenthal. 9.15 p.m.—Song, Mr. H. Tideman. 9.25 p.m.—Heavy from Osborna Hall. 9.30 p.m.—Song, Miss Stella Sobels. 9.35 p.m.—Mandolin-Guitar, Mr. Jack Lenthal. 9.40 p.m.—G.P.O. Times. 10.1 p.m.—Sporting News. 10.15 p.m.—Mr. H. Carmichael's orchestra. 10.30 p.m.—Song, Mr. H. Tideman. 10.35 p.m.—Mandolin-Guitar, Mr. Jack Lenthal. 10.41 p.m.—Song, Miss Stella Sobels. 10.47 p.m.—Mr. H. Carmichael's orchestra. 11 p.m.—G.P.O. times, and close down.

6WF, PERTH

Saturday. 11 noon—Tune in. 12.5 p.m.—Musical programme, including pianoforte selections of Miss Evelyn Willis, A.F.C.M. 12.47 p.m.—First local news bulletin. Market reports. Cables. 1 p.m.—Time signal from Perth Observatory. 1.10 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia. 1.12 p.m.—Close down. 1.35 p.m.—Tune in. 2 p.m.—Detailed description of races, relayed from the Asson Racecourse, Belmont. Close down after last race. 7 p.m.—Tune in.

7.5 p.m.—Uncle Perry with the radio bird.

7.55 p.m.—Children's story, "Real Australia," introducing "Professor Kookab-tru" and his Arctic News.

7.59 p.m.—Sports results supplied by courtesy of "The Mirror" Newspaper Co.

7.55 p.m.—Market, news, and cables. 8 p.m.—Time signal from Perth Observatory.

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

8.2 p.m.—Talk "Birds of the Arctic Region," by Mr. F. Lawson-Walpole.

8.10 p.m.—Music and song. Musical programme, including ariettes.

8.10 p.m.—Second local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.

8.15 p.m.—Sports results supplied by courtesy of "The Mirror" Newspaper Co.

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8.10 p.m.—Music and song. Musical programme, including ariettes.

8.10 p.m.—Second local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.

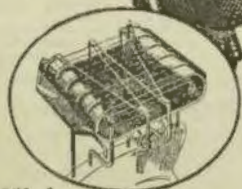
8.15 p.m.—Sports results supplied by courtesy of "The Mirror" Newspaper Co.

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EVENING SESSION.

- 4 p.m.—"Big Ben." FROM THE CONGREGATIONAL CHURCH, PETERSHAM.—A Organ Recital arranged by Mr. Christian Heilmann, A.R.C.M. (London).
- 4.46 p.m.—FROM THE STUDIO: Mr. Cyril Monk, the well-known Violinist and Member of the Professional Staff of the Conservatorium of Music, will give a talk on the Beethoven Ceremony.
- 7 p.m.—"Big Ben." FROM THE CONGREGATIONAL CHURCH, PETERSHAM.—Organ solo by Mr. Christian Heilmann, A.R.C.M. (London).
- 7.15 p.m.—The Evening Service, conducted by Rev. A. P. Duxon.
- 8.25 p.m.—Interim.
- 8.25 p.m.—THE BAND ROTUNDA, BONDI BEACH.

- Items by the Bondi Beach Concert Band (Champion Band for 1937), conducted by Mr. W. Partridge:
 - March, "Brilliant" (Home).
 - Waltz, "On the Lawns" (Halter).
 - Overture, "The Village Bride" (Rimmer).
- 8.41 p.m.—FROM THE STUDIO: Madame Ada Thumher, organist.

- 8.41 p.m.—THE BAND ROTUNDA, BONDI BEACH.
- The Bondi Beach Concert Band:
 - Fox Trot, "Give me a Star" (Bell).
 - Contra solo, "Just a cottage small" (Hawley).
 - Selection, "Rose Marie" (Fryal).

- 8.46 p.m.—FROM THE STUDIO: Mr. C. M. Duxon, bass.
- "The wine changed my address" (Ground).

- 9.14 p.m.—FROM THE BAND ROTUNDA, BONDI BEACH.
- The Bondi Beach Concert Band:
 - Fox Trot, "On the Riviera" (Characterist).
 - Close to the Cotton.
 - Contra duet, "In the Day" (Lacey).

- 9.25 p.m.—FROM THE STUDIO: Madame Ada Thumher, organist.

- 9.25 p.m.—FROM THE BAND ROTUNDA, BONDI BEACH:
 - The Bondi Beach Concert Band:
 - Morceau, "Turkish Patrol" (Michael).
 - Selection, "Darke's Dreamland" (Rimmer).

- 9.41 p.m.—FROM THE STUDIO: Mr. C. M. Duxon, bass.
- "Bless them, who Winter Wind" (Reveries).
- 9.41 p.m.—THE BAND ROTUNDA, BONDI BEACH:
 - The Bondi Beach Concert Band:
 - Fox Trot, "Semolina" (Warren).
 - March, "Anglo-Oriental" (Home).

- 10 p.m.—"Big Ben." National Anthem.
- Close down.
- At the Piano — MR HORACE KRATS

2BL, SYDNEY

Sunday.

- 10.45 a.m.—Special news service.
- 11 a.m.—Service broadcast from Chalmers' Presbyterian Church.
- 2 p.m.—Concert by Sydney Vocalist quartet broadcast from Bardon House.
- 4 p.m.—Organ recital broadcast for Chalmers' Church.
- 4.10 p.m.—Bible Class, conducted by Mr. W. "Gard" Bradley.
- 6.25 p.m.—Close down.
- 6.45 p.m.—children's service.
- 7 p.m.—Service broadcast from St. Jude's Church of England, Randwick.
- 8.10 p.m.—Broadcasters' Trio.
- 8.18 p.m.—Miss Helena Stewart soprano.
- 8.47 p.m.—Mr. Lance Jeffere, tenor.
- 8.44 p.m.—Resume of following day's programme.

- Weather report and forecast by courtesy of Mr. C. J. Marco, Government Meteorologist.
- 9 p.m.—A.P.D. clock and chimes.
- 9.1 p.m.—Miss Madge Helmer, contralto.
- 9.8 p.m.—Mr. Leslie Berford, baritone.

- 9.15 p.m.—Duet: Miss Helena Stewart and Mr. Lance Jeffere.
- 9.25 p.m.—Broadcasters' Trio.
- 9.30 p.m.—Miss Madge Helmer.
- 9.37 p.m.—Miss Helena Stewart.
- 9.44 p.m.—Mr. Leslie Berford.
- 9.51 p.m.—Mr. Lance Jeffere.
- 9.58 p.m.—Broadcasters' Trio.
- 10.5 p.m.—National Anthem.

2GB, SYDNEY

Sunday.

- 10.20 p.m.—Organ Music from St. Alban's Literal Catholic Church, Bottery.
- 10.40 a.m.—Morning Service from St. Alban's (Celebration of the Holy Eucharist) solemnly Celebrant.
- 12 noon—Close down.
- 1 p.m.—Music from Steno.
- 1.45 p.m.—Music and Lecture from Adyar Hall.
- 2.15 p.m.—From Studio: CLEMENT HOBSON QUARTETTE:
 - 1 "Rock of Ages."
 - 2 "I heard the voice of Jesus say."
 - 3 "O Lord of Heaven and Earth and Sea."
- 2.41 p.m.—Songs by EVA CHOUT:
 - 1 "I heard the voice of Jesus say."
 - 2 "O Lord of Heaven and Earth and Sea."
- 2.42 p.m.—Talk.
- 2.50 p.m.—CLEMENT HOBSON QUARTETTE:
 - 1 "The Shades of Night around us Stare."
 - 2 "Softly Falls the Shades of Evening."
- 3.28 p.m.—Songs by ELSIE BROWN.
- 3.5 p.m.—CLEMENT HOBSON QUARTETTE:
 - 1 "Jesus Christ is Risen Today."
 - 2 "When I Survey the Wondrous Cross."
 - 3 "Come ye Thankful People Come."
- 3.10 p.m.—Close down.

3FL, MELBOURNE

Sunday.

- MORNING SESSION:
 - 10.50 a.m.—St. Paul's bells.
 - 10.45 a.m.—British Official Wireless News from Rugby.
 - 11.9 a.m.—SERVICE FROM BAPTIST CHURCH, Collins Street, Melbourne. Minister, REV. W. D. JACKSON, B.A. Invocation. Lord's Prayer (Choral). Hymn, 195, "Breathe on me, breath of God." Scripture. Quartet, "Behold the Lamb of God." Children's Address. More words to young Sixties' Collectors. Hymn, 104, "Little Troops of Water." Notices. Officiary Prayer. ANTHEM "O for the Wings of a Dove" (Mendelssohn). Prayer. Hymn, 274, "O for a closer walk." SERMON, "The Harren Monies of the Church." Hymn 288, "Still, Still With Thee." Benediction.
 - 12.15 p.m.—Close Down.
- AFTERNOON SESSION:
 - 3.0 p.m.—A SPECIAL SERVICE FOR MEN'S MEETINGS, sponsored by St. Paul's Cathedral, Speaker, BISHOP OF LONDON. Hymn. Lord's Prayer. The Apostles' Creed. Psalms XV, and VIII. Lesson. Hymn. Intercessions and Prayers. Hymn.

- SERMON, THE BISHOP OF LONDON. Hymn (Collection). Blessing. 4.39 p.m.—Close Down.

EVENING SESSION:

- 4.40 p.m.—CHILDREN'S HOUR. Hymns by "The Pied Piper." "Jerusalem the Golden." "All the World is Glad."
- 4.50 p.m.—"BILLY BUNNY," The Christmas Carol.
- 5.0 p.m.—Musical Programme by "The Pied Piper." Chorus, "In the Morning Kary." Solo, "A Little Birdie." Chorus, "The Visitor." Piano, "Shadow Dance." Duet, "God of Mercy." Chorus, "My Land." Evening Hymn, "O Little Child."
- 5.25 p.m.—Answers to letters and Birthday Greetings.
- 6.05 p.m.—"BILLY BUNNY," more about "David Livingston."
- 6.45 p.m.—Close Down.

NIGHT SESSION:

- 8.40 p.m.—Bells from St. Paul's Cathedral.
- 9.0 p.m.—Service from ST. PAUL'S CATHEDRAL, Melbourne. Evening Hymn, "O Little Child." Hymn. Scripture. Confession. General Confession. The Absolution. The Lord's Prayer. Versicles and Responses. Psalm. 1st Lesson. Magnificat. 2nd Lesson. None Dimittit. The Apostles' Creed. The Collect. ANTHEM: O come ever one that thirsteth, O come to the waters, come unto Him, O stay, and your souls shall live for ever. Mendelssohn.

- Prayers. SERMON: THE BISHOP OF LONDON. Hymn. Benediction.

- FROM THE STUDIO. ST. AUGUSTINE'S ORPHANAGE BAND. WESLEY CHURCH CHOIR. GRACE JACKSON, Contralto. W. G. JAMES, Pianoforte Recital. J. ALEXANDER BROWNE, Baritone. Accompanied by AGNES FORTUNE Announcer. ALFRED ANDREW A SPECIAL PROGRAMME ARRANGED BY REV. H. G. GAIN.

- 8.30 p.m.—ST. AUGUSTINE'S ORPHANAGE BAND, Conductor, Mr. Percy Jones. Selection, "Tchaikowsky's Works" (Douglas).
- 8.42 p.m.—WESLEY CHURCH CHOIR, Under direction of Mr. W. G. James. Hymn, 267, "Hallelujah" (Mendelssohn). Soloist, Mrs. William James.
- 8.48 p.m.—ST. AUGUSTINE'S ORPHANAGE BAND, "Old Comrades" (Teich). 8.54 p.m.—GRACE JACKSON, Contralto. "Aria O Sun" (Crane Day). "He Draw and Smile" (Penny). 9.0 p.m.—W. G. JAMES, Pianoforte Recital. "The Con-oon" (Daquin). "Minuet" (Dr. Arno). "Favourite A. Beger" (Chopin). "Waltz D. F. A." (Chopin). "Hakody March" by Rouget (Liszt).
- 9.15 p.m.—A NEW AUSTRALIAN NATIONAL ANTHEM. "OH! FAVOURED ISLE." Words by G. H. Daniels. Music by W. G. James. Mr. C. J. Dennis' explanation of how the song was written will be given by J. BOWLETT ROSE. Soloist: J. ALEXANDER BROWNE. Assisted by the Wesley Church Choir, under direction W. G. James.
- 9.25 p.m.—ST. AUGUSTINE'S BAND. Overture, "Bohemian Girl" (Baltic).

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AT ALL DEALERS



- 9.32 p.m.—GRACE JACKSON, Contralto.
"The Kneelantress" (Hanson).
"The Arrow and the Song" (Halls).
9.39 p.m.—ST. AUGUSTINE'S BAND.
Intermission, "In a Persian Market"
(Kasaly).
9.46 p.m.—WESLEY CHURCH CHOIR.
"Annie Laurie," by request. Unaccompanied.
"The Angels' Chorus" Maritana (Wallace).
9.53 p.m.—"Arcus" News Service; Announcements; Meteorological Information.
9.53 p.m.—OUR GREAT THOUGHT.
"Oominga leavendence is not stationary, but
peripetetic. It couth about doing good."
—NEVINS.
10.0 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Sunday.

MORNING SESSION.

The complete Morning Service from St. Stephen's Roman Catholic Cathedral will be relayed.

10.30 p.m.—Tune In.

11 a.m.—Archives Mix; Introit; Kyrie, Mass in honor of St. Patrick; Gradual; Creed; Offertory; Sanctus; Benedictus; Agnus Dei; Communion; Laudate Dominum—organ solo.
12.30 a.m.—Close down.

AFTERNOON SESSION.

The Classic Revival provided by the Black-necked Ipswich Cambrian Choir, in conjunction with the Ipswich Vice-regal Band, will be relayed from the Watergarden Theatre, Ipswich.

3 p.m.—Recital.

4.30 p.m.—Close down.

NIGHT SESSION.

CHURCH SERVICE.

The complete Evening Service from St. Stephen's Roman Catholic Cathedral will be relayed.

7.30 p.m.—Church Service.

8.30 p.m.—Communion.

BAND CONCERT.

At the conclusion of the Church Service, the Concert provided by the Brisbane Municipal Concert Band will be relayed from Wickham Park. The programme will include:
Overture, "Zampa" (Hérold); fantasia, "Reminiscences of Rossini" (Goffredo); descriptive piece, "A Highland Scene" (Moros).
8.30 p.m.—Close down.

5CL, ADELAIDE

Sunday.

MORNING SESSION.

11 a.m.—G.P.O. chimes.

11.1 a.m.—Holiday from Black Forest Baptist Church.

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

EVENING SESSION.

6.30 p.m.—G.P.O. chimes.

6.41 p.m.—Sunday stories for children.

7 p.m.—Relay from Rose Park Congregational Church.

8.10 p.m. (approx.)—Relay from S.A.R. Institute; instrumental and vocal concert, by S.A.R. Band, Miss Lucy Fugles, Mr. Harold Durdin (bass), and Mr. George Whitla (celloist).

9 p.m.—Time announcement.

9.1 p.m.—Mr. F. H. Nicholls, "The King-sons."

9.16 p.m.—Concert continued.

10.6 p.m.—G.P.O. chimes, and close down.

6WF, PERTH

Sunday.

10.45 a.m.—Tune In.

11 a.m.—Morning service relayed from the Wesley Church, Perth. Preacher, Rev. J. W. Grove, M.A., LL.D.

11.1 a.m.—Tune In.

11.15 p.m.—Lieut.-Col. Le Soud will give a short talk on reptiles of the Zoo.

12.30 p.m.—B.S.J. Band and vocal concert relayed from the Wesleyan Church, South Perth. Conductor, Mr. Geo. S. Mellor.

4 p.m.—Close down.

7 p.m.—Tune In.

7.5 p.m.—Children's bedtime stories by Miss Aileen Beard, mezzo.

7.50 p.m.—Evening service relayed from St. Andrew's Presbyterian Church, St. George's Terrace, Perth. Preacher, Rev. Geo. Tulloch.

8.45 p.m.—Perth City Band and vocal concert relayed from the Government Gardens, Perth. Conductor, Mr. W. A. Halloway.

Monday, March 28 2FC, SYDNEY

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.

7.15 a.m.—Studio music.

7.15 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.

7.35 a.m.—Wool sales, breakfast markets.

7.45 a.m.—Stock Exchange, Sydney Morning Herald's 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.—Studio music.

10 a.m.—"Big Ben" and announcements.

10.20 a.m.—Studio music.

10.40 a.m.—Last minute racing information by the J.P.O. Racing Commentator.

11 a.m.—"Big Ben" Australian Press Association and Butera's Cable Service.

11.10 a.m.—Studio music.

11.15 a.m.—A serial story.

11.20 a.m.—Marching music for school children.

11.55 a.m.—Close down.

MIDDAY SESSION.

12 noon.—"Big Ben" and Announcements.

12.5 p.m.—Stock Exchange, first call.

12.8 p.m.—Studio music.

12.50 p.m.—Rugby wireless news.

1.25 p.m.—Miss Betty Sullivan, soprano: "Songs my mother taught me" (Dvorak).

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

1.3 p.m.—"Evening News" midday news service. Producers' Distributing Society's report.

1.40 p.m.—Studio music.

1.45 p.m.—Stock Exchange second call.

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

1.49 p.m.—Miss Betty Sullivan, soprano: "April is a Lady" (Williams).

1.49 p.m.—Studio music.

2 p.m.—"Big Ben" Close down.

AFTERNOON SESSION.

3.30 p.m.—Programme announcements.

2.55 p.m.—A Flute Recital arranged by Mr. George Wate.

3 p.m.—"Big Ben" A talk by the well-known Sculpturer, Miss Thea Dowan: Subject, "WORLD FAMOUS STATUES."

3.15 p.m.—Flute items.

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

3.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Katherine Beverly, soprano: "Mighty like a Rose" (Nevin).

3.45 p.m.—Studio music.

4 p.m.—"Big Ben" FROM FARMER'S TEA ROOMS: Miss Aileen Beard, mezzo: "A Walk in the Wood" (Lohr).

4.05 p.m.—Studio music.

4.20 p.m.—FROM FARMER'S TEA ROOMS: Miss Katherine Beverly, soprano: "A Walk in the Wood" (Lohr).

4.25 p.m.—Studio music.

4.30 p.m.—A reading.

4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Aileen Beard, mezzo.

4.45 p.m.—Stock Exchange, third call.

4.46 p.m.—Close down.

EARLY EVENING SESSION.

6.45 p.m.—The Chimes of J.P.O.

6.50 p.m.—The "Holle Man" talks to the children.

6.50 p.m.—Mr. Tal Ordell, well-known Australian Playwright and Film Producer, will commence an original series of stories for the children.

6.55 p.m.—Dinner music.

7 p.m.—"Big Ben." Latest sporting news.

7.10 p.m.—Dalgely's Market reports (wool, wheat, stock).

7.20 p.m.—Fruit and vegetable markets.

7.20 p.m.—Weather and shipping intelligence.

7.25 p.m.—Stock Exchange.

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

NIGHT SESSION.

7.40 p.m.—Programme announcements.

7.45 p.m.—A talk by Mr. E. J. Van de Velden: Subject, "How to take color photographs of THEIR ROYAL HIGHNESSES and the 'RENEWING'."

8 p.m.—"Big Ben" FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY: Items by the Orchestra under the baton of Mr. Stanley Porter.

8.12 p.m.—FROM THE STUDIO: Miss Elsie Peirce, soprano: "The Still, Blackbird" (Sanderson).

8.15 p.m.—FROM THE STUDIO: A Debate by Members of the U.M.M.: Subject, "THAT THE MODERN GIRL IS SUPERIOR TO HER GRANDMOTHER." Chairman, Mr. T. H. Raward. The Leader, Mr. A. Brown, opens the Debate.

8.21 p.m.—Leader of the Opposition, Mr. Walker.

8.20 p.m.—For the Motion, Mr. Pingot.

8.21 p.m.—Against the Motion, Mr. Noel.

8.30 p.m.—For the Motion, Mr. Starka.

8.41 p.m.—Against the Motion, Mr. Jones.

8.45 p.m.—FROM BRALE'S CONCERT SALON: Items by the Royal Sydney Apollo Club of 40 Male Voices: (a) "Y'ranka's Dream" (Coleridge Taylor). (b) Solo. (c) "The Handy Man" (Speiser).

8.50 p.m.—FROM THE STUDIO: Miss Nancy McGeheer and Miss Freda Fleh: "Viola Duet," "Sonata" (Purcell).

8.55 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY: Vocal Act.

9.20 p.m.—FROM THE STUDIO: Miss Freda Fleh, Vocalist: "Slow Movement" (Tschakowsky).

9.25 p.m.—Miss Elsie Peirce, soprano: "My Belaine" (Vannak).

9.30 p.m.—FROM THE SYDNEY TOWN HALL: Descriptions from the Ball given by the Lord Mayor and Lady Mayors of Sydney.

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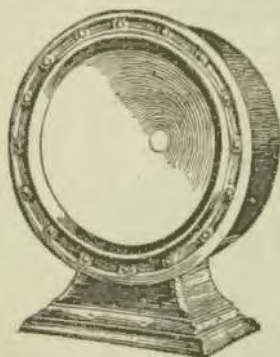
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2GB, SYDNEY

Monday.

8.55 p.m.—The arrival of Their Royal Highnesses.
 9.45 p.m.—FROM BEALIE'S CONCERT SALON.
 Items by the Royal Sydney Apollo Club of 40 male voices:
 (a) "Alphonsus" (Jebsens).
 (b) Solo.
 (c) "Land of Hope and Glory" (Eggar).
 10 p.m.—"Big Ben." FROM THE STUDIO.
 Miss Freda Fisk and Miss Nancy McGillivray, violin solos.
 "Barracole" (Dancla).
 10.5 p.m.—Miss Elaine Peckles, soprano:
 (a) "Pansies-Flowers" (Coates).
 (b) "Spring in Rome" (Hensberg).
 10.15 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY.
 The Haymarket Operatic Orchestra of 20 members, under the baton of Mr. Stanley Porter.
 10.25 p.m.—FROM THE SYDNEY TOWN TOWN HALL.
 Descriptions of the Lord Mayor's Ball.
 10.45 p.m.—FROM THE STUDIO:
 Miss Nancy McGillivray, violin solos:
 (a) "Clive Danes" (Seybold).
 (b) "The Roseary" (Newry).
 10.46 p.m.—FROM THE WENTWORTH HOTEL, CHURCH HILL, SYDNEY.
 Items by the Wentworth Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.
 11 p.m.—"Big Ben." Late news and announcements from the Studio.
 11.14 p.m.—The Wentworth Symphonic Dance Orchestra in popular numbers until midnight.
 11.25 p.m.—"Big Ben."
 National Anthem.
 Close down.

2BL, SYDNEY

Monday.

EARLY MORNING SESSION.

7.15 a.m.—G.P.O. clock and chiming.
 7.18 a.m.—Metropolitan Weather forecast.
 7.17 a.m.—Musical programme from the Studio.
 7.25 a.m.—Physical training and health exercises.
 7.30 a.m.—G.P.O. clock and chiming.
 7.31 a.m.—Hints on health.
 7.35 a.m.—Physical training and health exercises.
 7.45 a.m.—G.P.O. clock and chiming.
 7.47 a.m.—Broadcasters' special news service.
 7.48 a.m.—G.P.O. clock and chiming; close down.

MORNING SESSION.

8.0 a.m.—G.P.O. clock and chiming.
 8.01 a.m.—Weather Report.
 8.03 a.m.—Musical programme from the Studio.
 8.10 a.m.—News service from the "Daily Telegraph."
 8.15 a.m.—Musical programme from the Studio.
 8.16 a.m.—G.P.O. clock and chiming.
 8.17 a.m.—News from the "Daily Telegraph."
 8.18 a.m.—Fish Market Report.
 8.19 a.m.—Vegetable Market Report.
 8.21 a.m.—Fruit Market Report.
 8.23 a.m.—London Dairy Farm, Egg and Poultry Market Report.
 8.28 a.m.—Ships in call by wireless.
 8.30 a.m.—Information re Interstate and Overseas Mail.
 8.33 a.m.—Shipping information—arrivals and departures.
 8.35 a.m.—Women's Session. Talk on "Gold" by Miss Gwen Varley, Broadcasters' Women's Sports Authority.
 8.45 a.m.—Social notes by Mrs. Jordan.
 8.52 a.m.—Mrs. Jordan replies to correspondents.
 8.55 p.m.—Talk on "How to Choose a good Fur," by Mrs. Jordan.

12.50 p.m.—G.P.O. Clock and Chimes.
 12.51 p.m.—Sydney Stock Exchange Calls.
 12.54 p.m.—"Sun" Newspapers, News Service.
 12.55 p.m.—Library Instrumental Quartet—direction, Cary Gaiting.
 1.00 p.m.—G.P.O. Clock and Chimes.
 1.01 p.m.—Weather Report and Forecast.
 1.03 p.m.—Sydney Stock Exchange Calls.
 1.05 a.m.—News from the "Sun."
 1.45 p.m.—Musical Programme from the Studio.
 2.0 p.m.—G.P.O. Clock and Chimes. Close down.

AFTERNOON SESSION.

Razing information broadcast by courtesy of the "Sun."
 2 p.m.—G.P.O. clock and chiming.
 3 p.m.—Weather Report.
 3.5 p.m.—Social notes from the "Sun."
 3.8 p.m.—News from the "Sun."
 3.20 p.m.—Musical programme from the Studio.
 3.45 p.m.—News from the "Sun."
 3.45 p.m.—Musical programme from the Studio.
 3.12 p.m.—News from the "Sun."
 4.0 p.m.—G.P.O. clock and chiming.
 4.1 p.m.—Musical programme from Studio.
 4.15 p.m.—Serial story entitled "The Burzwood Skeek."
 4.30 p.m.—G.P.O. clock and chiming.
 4.31 p.m.—Musical programme from Studio.
 4.45 p.m.—Producers' Distributing Society's Vegetable and Fruit Market Report.
 4.46 p.m.—Shipping information when available.
 4.52 p.m.—Days racing resume in race days.
 4.55 p.m.—News from the "Sun."
 4.55 p.m.—Resume of night's programme.
 5 p.m.—G.P.O. clock and chiming; close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. clock and chiming.
 5.46 p.m.—Uncle George and the kiddies.
 5.48 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

7.0 p.m.—G.P.O. Clock and Chimes. Australian Mercantile Land and Finance Co.'s Report. Weather Report; Producers' Distributing Society's Stock and Vegetable Market Report; Stock Exchange Report; Grain and Fodder Report ("Sun"); Dairy Produce Report ("Sun"); Primary Producers' N'paper Report on London Export Market.
 7.15 p.m.—Country News from the "Sun."—Books to Read.
 7.20 p.m.—Talk on "The Fundamentals of Weights and Measures," by Mr. Rupert Mathias, B.E.
 8.0 p.m.—G.P.O. Clock and Chimes. Broadcasters' Topical Chorus.
 8.3 p.m.—Broadcasters' Trio.
 8.13 a.m.—Miss Maudie Barnett (Comedian).
 8.20 p.m.—Mr. Phil Mountain (Comedian).
 8.27 p.m.—Miss Hilda Lane (Soprano).
 8.34 p.m.—Mr. Douglas Graham (Scottish Comedian).
 8.41 p.m.—Miss May Nanorezov (Soubrette).
 8.45 p.m.—Mr. Fraser Cox (Bariitone).
 8.55 p.m.—Announcements; Resume of Following Day's Programme.
 9.0 p.m.—G.P.O. clock and chiming; weather report and forecast by courtesy of Mr. T. J. Mars, Government Meteorologist.
 9.2 p.m.—Mr. Stan Carbell (Comedian).
 9.3 p.m.—Mr. Douglas Graham.
 9.10 p.m.—Miss Maudie Barnett.
 9.25 p.m.—Mr. Phil Mountain.
 9.30 p.m.—Miss Hilda Lane.
 9.40 p.m.—Mr. Douglas Graham.
 9.47 p.m.—Miss May Nanorezov.
 9.58 p.m.—Mr. Fraser Cox.
 10.0 p.m.—Stan Carbell.
 10.12 p.m.—The Ambassadors Dance Band. Broadcast from the Dalroam of the Ambassadors. During the interval between Dance News Reports by courtesy of the "Sun" will be broadcast.
 12 midnight—G.P.O. clock and Chimes. NATIONAL ANTHEM.

MORNING SESSION.
 6.50 a.m.—Music.
 6.55 a.m.—Conducted by Mr. J. K. Powell.
 6.56 a.m.—Psychological Class.
 6.57 a.m.—Music.
 6.58 a.m.—Biographical Talks for Sepals.
 6.59 a.m.—Music.
 7.00 a.m.—Class down.

AFTERNOON SESSION.

3.50 a.m.—
 3.45 p.m.—
 4 p.m.—
 4.5 p.m.—
 4.20 p.m.—

EVENING SESSION.

8.30 p.m.—Children's Session.
 7.15 p.m.—Music.
 7.25 a.m.—Address by the Rt. Rev. G. S. Atkinson. Has this really went to be happy?
 7.30 p.m.—Music. Studio.
 7.55 p.m.—Violin Solo. DAN SCULLY.
 8.0 p.m.—Address by Professor Ernest Wood.
 8.15 p.m.—Songs by Frederick Turrell.
 8.25 p.m.—Concert. For Two Violins and Piano by Victoria, artists, DAN SCULLY, MONICA HORNER, ADA BROOK.
 8.40 p.m.—Songs by Sylvia Lay.
 8.48 p.m.—Violin Solos, MONICA HORNER.
 8.56 p.m.—Announcements.
 9 p.m.—Topical Talk.
 9.15 p.m.—Sonata for piano by Beethoven. Artist, Ada Brook.
 9.30 p.m.—Songs by Frederick Turrell.
 9.45 p.m.—Dance for two violins with piano accompaniment. DAN SCULLY, MONICA HORNER, ADA BROOK.
 9.55 p.m.—Songs by Sylvia Lay.
 9.58 p.m.—Cheer Talk.
 10 p.m.—Great Thoughts from Great Minds.

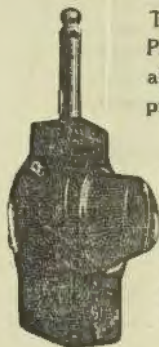
3LO, MELBOURNE

Monday.

MIDDAY SESSION.

THE STUDIO ORCHESTRA.
 CHECK HAYES, The Talkative Chap.
 HASTINGS AND ADAIR.
 GRACE JACKSON, Contralto.
 IAN DEVEREUX, Baritone.
 TASMA, TRIN, Solo.
 Accompanist..... AGNES FORTUNE.
 Announcer..... MAURICE DUDLEY.
 12 noon.—Time Signal. British Official Wireless news from Rugby; Butler's; and the Australian Press Association Cable, Stock Exchange Information; "Angus" and "Herald" News Service.
 12.30 p.m.—STUDIO ORCHESTRA. Raymond Overton.
 12.40 p.m.—CHECK HAYES, The Talkative Chap.
 "The Troubles of Billy the Button Boy."
 12.55 p.m.—HASTINGS AND ADAIR.
 "Freaky old. Where did you get those eyes?"
 One String Violin, "Traumers."
 Duet, "The King isn't King Anymore."
 1.0 p.m.—STUDIO ORCHESTRA.
 "Ballet of the Flowers" (Hadley).
 1.10 p.m.—GRACE JACKSON, Contralto.
 "Thank God for a Garden" (Dol Ringo).
 "Oh Sing to You" (Jack Thompson).
 1.17 p.m.—Meteorological Information; Shipping Intelligence; Weather Forecast for Victoria, Tasmania, South Australia, and New South Wales; Ocean Forecast; River Reports.
 1.22 p.m.—STUDIO ORCHESTRA.
 "Little Miss Buttrick" (Cassons).
 1.32 p.m.—IAN DEVEREUX, Baritone (of the Rose Marie Co., by permission of J. C. Williamson, Ltd.).

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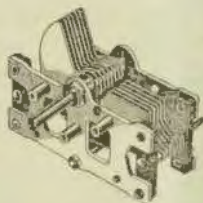
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- "Border Ballad" (Cowan).
- "In an Old Fashioned Town" (Spain).
- 1.10 p.m.—"TARA" (Tara) "Call."
- "Borden" (Boothroy-Kramer).
- 1.15 p.m.—"HUGH JACKSON" (Conway).
- "My Land" (Cowan) (Lush).
- "Lachry" (Crump).
- 1.20 p.m.—STUDIO ORCHESTRA.
- "High Jinks" (Fennell).
- 1.25 p.m.—Description of HANDEGAP HIDEOL ROSSIE VALLEY RACES, by "Market" of the "Sporting Globe." (Charity Race Meeting in aid of the Queen Victoria Hospital).
- 1.30 p.m.—Description of Two-Year-Old Handicap, Rossie Valley Race, by "Market" of the "Sporting Globe."

AFTERNOON SESSION.

- Speakers:
- MRS. DOROTHY KYLE, MISS FLORA FELL, THE PREMIER FOUR.
- DR. FLOYD, Organ.
- ADELLE INMAN, Soprano.
- ARTHUR DOUGLAS, Scotch Comedian.
- Accompanists: GUNES FIDLEY, Announcer: MAURICE FIDLEY.
- 1.40 p.m.—Description of HANDEGAP HIDEOL ROSSIE VALLEY RACES, by "Market" of the "Sporting Globe."
- 1.45 p.m.—STUDIO ORCHESTRA.
- 1.50 p.m.—THE PREMIER FOUR.
- 1.55 p.m.—"Days Never Was a Pal Like You."
- 2.00 p.m.—DR. FLOYD, Organ Recital, transmitted from St. Paul's Cathedral.
 - (1) "Thea's Bridal Procession" by the Cathedral." (Lobosky) (Wagner).
 - (2) "Tantum Ergo, Litanie" (Wagner).
 - (3) "The Mass" (Lobosky).
 - "The Answer" (Walden).
 - (4) "Two Old Church Yards, illustrating special services of service to the dead."
- 2.05 p.m.—Recital of QUINCY VICTORIA HANDEGAP ROSSIE VALLEY RACES.
- 2.10 p.m.—ADELLE INMAN, Soprano.
- "Marching" (Oly) (Waltz).
- "Let us Pray" (W. V. White).
- 2.15 p.m.—STUDIO ORCHESTRA.
- "Four Indian Songs" (Cowan) (Fennell).
- 2.20 p.m.—ARTHUR DOUGLAS, Scotch Comedian.
- "What I Mean Mabel" (London).
- 2.25 p.m.—STUDIO ORCHESTRA.
- "The Fox" (London).
- 2.30 p.m.—MISS FLORA FELL, Inspector of Schools, Education Department, Melbourne.
- "Domestic Economy."
- 2.35 p.m.—"Herald" News Service, Stock Exchange Information.
- 2.40 p.m.—Description of HOSPITAL HANDICAP, Rossie Valley Race, by "Market" of the "Sporting Globe."
- 2.45 p.m.—Close Down.

EVENING SESSION.

- 8.10 p.m.—CHILDREN'S HOUR. Answers to Letters and Hobbies Questions.
- 8.15 p.m.—"Little Miss Bookburners" is wondering what that naughty miss cat "Cousin" is doing to the good little kitten, Sherry? Well, she will tell you.
- 8.20 p.m.—OSBORNE and FERRYER will make you laugh for a few minutes.
- 8.25 p.m.—"THE LITTLE HEADS" Bandaid, will play some "Nurse Melodies."
- 8.30 p.m.—"Little Miss Bookburners" will tell some more about "Cousin of Hollyhens School" (The Mingle) (Gunn).
- 8.35 p.m.—"Arty" and "Herald" News Service, Weather Strips; Shipping Movements.
- 8.40 p.m.—Stock Exchange Information.
- 8.45 p.m.—Fish Market Reports, by J. R. Herrett, Ltd.
- 8.50 p.m.—River Reports.

- 8.55 p.m.—Market Reports by the Victorian Producers' Cooperative Co., Ltd.: Hatched Stock, Sugar, Potatoes, Gram, Hay, Calf, Cows, Jute, Dairy Produce; Postponed and Omita.
- 9.0 p.m.—Market Prices of Oranges and Lemons by the Victorian Citrus Association, Pty. Ltd. Fruit Market Reports by the Victorian Wholesale Fruitvellers' Association, conducted by the "Fruit World" section in 2A.G.

NIGHT SESSION.

- Speakers:
- MR. KENNETH HENDERSON, MR. J. L. ELLIS, MR. E. C. B. TAYLOR, MR. J. C. HARRIS.
- MARGARET VIRE, Soprano.
- HASTINGS and ADAIR.
- OSBORNE and FERRYER.
- ARTHUR DOUGLAS, Scotch Comedian.
- MOANA ITO DDO.
- THE PREMIER FOUR.
- CHUCK HAYES, The Talkative Chap.
- Accompanist: CAROLINE CARVER.
- JOE ARONSON and BILLY SYNO-COPATING.
- SYMPHONISTS.
- Announcer: MAURICE FIDLEY.
- 10.15 p.m.—Under the auspices of the Develop Australia League, Mr. J. L. ELLIS, of the Australian Mission.
- "Teaching the Game for Australia."
- 10.20 p.m.—MR. E. C. B. TAYLOR.
- "Singing, Singing, Singing."
- 10.25 p.m.—Under the auspices of the Depart ment of Agriculture, MR. J. C. HARRIS, Recital of Songs, including:
 - "Cranks of Potsdam and Orlins."
 - OSBORNE and FERRYER.
 - 10.30 p.m.—STUDIO ORCHESTRA.
 - "The Book of Humphrey (Paul Hubert).
 - 10.35 p.m.—MARGARET VIRE, Soprano.
 - "A Birdland" (Cowan).
 - 10.40 p.m.—Songs (Cowan).
 - 10.45 p.m.—HASTINGS and ADAIR.
 - "Peep, Peep, 'Oh you son of a Gun."
 - "Paler."
 - 10.50 p.m.—"Little Love."
 - "Paler," "My Home."
 - 10.55 p.m.—OSBORNE and FERRYER.
 - 11.00 p.m.—"Consistent."
 - 11.05 p.m.—STUDIO ORCHESTRA.
 - "Selection, 'Meritans'."
 - 11.10 p.m.—ARTHUR DOUGLAS, Scotch Comedian.
 - "That's what made me join the Sodgers" (Douglas).
 - 11.15 p.m.—MR. KENNETH HENDERSON, "Witless in Schools—General Possibilities."
 - 11.20 p.m.—CONCERT by the UNIVERSITY CONSERVATORIUM STUDENTS, under direction PROFESSOR BERNARD HEINZE.
 - 11.25 p.m.—CARTHY BBOVS, English Comedian.
 - "Some Types of English Humor."
 - 11.30 p.m.—British Official Wireless News from Rugby Announcements.
 - 11.35 p.m.—MOANA ITO DDO.
 - "Lullaby."
 - "Knock! Knock! Knock!"
 - 11.40 p.m.—PREMIER FOUR.
 - "The Old Song."
 - "All for You."
 - 11.45 p.m.—STUDIO ORCHESTRA.
 - 11.50 p.m.—CHUCK HAYES, The Talkative Chap, will now entertain you.
 - 11.55 p.m.—MOANA ITO DDO.
 - "The Song of the Lullaby."
 - "Rose of Walchell."
 - 12.00 p.m.—PREMIER FOUR.
 - "The Song of the Lullaby."
 - "Comin' thro' the Box."
 - 12.05 p.m.—"Great" News Service, Meteorological Information.
 - 12.10 p.m.—"GIRK GREAT THOUGHT" ("In almost everything, experience is more valuable than prompt.") Oulitain.
 - 12.15 p.m.—JOE ARONSON and BILLY SYNO-COPATING.
 - "Flap dancers and Dullah Mabely."
 - "I Wish You Were Jealous of Me."
 - "Let's Talk About My Sweety."

- "You've Got to Black Shuffle."
- "Rose Colored Glasses."
- "Am I Wasting my Time."
- "The Village Blacksmith Owns the Village Now."
- "That's Why I Love You."
- "Hi, Ho, the Merrle."
- "Me Too, Boo, Ho, Ho, Ha."
- "Durning."
- "It's a Little Spanish Town."
- "Goin'."
- "To-night's my Night with Bally."
- "Bye, Bye, Bye."
- "I Wish I Had My Old Gal Back."
- "Aber."
- 11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Monday.

- MIDDAY SESSION.
- 1.0 p.m.—Market Reports; Weather Information supplied by the Commonwealth Weather Bureau, News Service supplied by the "Daily Mail" and "The Daily Standard."
- 1.20 p.m.—From Hotel Carlton Lunch Music played by Hotel Carlton Symphony Orchestra.
- 1.25 p.m.—From the Observatory: Standard Time Signal.
- 2.0 p.m.—Close Down.
- AFTERNOON SESSION.
- 2.30 p.m.—From Hotel Carlton: Afternoon Tea Music, played by Hotel Carlton Symphony Orchestra.
- 4.15 p.m.—From the Studio: News Service supplied by "The Telegraph."
- 4.50 p.m.—Close Down.

EARLY EVENING SESSION.

- 6.6 p.m.—News Service supplied by the "Daily Standard."
- 6.10 p.m.—The Children's Section: Stories by "The Sandman."
- 7.0 p.m.—Market Reports; Stock Reports, Lectures, "Prospects for the Easter Pig Market" by Mr. B. J. Gochen (Instructor in Pig Raising).
- 7.30 p.m.—Weather News, Announcements.
- 7.45 p.m.—Standard Time Signal.

NIGHT SESSION.

- 7.45 p.m.—Lecture Series: The Children's Music Corner, conducted by "The Music Man."

STUDIO CONCERT

PART I.

INSTRUMENTAL QUARTETTE

- 6.0 p.m.—Quartette, "Les Huguenots" (Ord Home), Ipswich City Vice Royal Band Party.
- 6.10 p.m.—W. Ryder, W. B. Argemont, A. Clark and D. Jordan: contralto solo, "In An Old Fashioned Town" (Sauter), Miss Dorothy Brown; corset doct, Polka de Concert "Birds of the Forest" (Maye), Messrs. W. Ryder and W. B. Argemont; monologue, "The Hitchhikeman" (Noyes), Miss Ruby Messer; quartette, "Memories of Wagner" (Ord Home), Ipswich City Vice-Royal Band Party; tenor solo, "O Lovely Nymph" (Rinaldi), Mr. J. Lord; euphonium solo, "The Sallies" (Cler Smith), Mr. A. Clark; soprano solo, "Carissima" (Fenn), Miss Evelyn Grise; tenor horn solo, "Stradella" (Kasper), Mr. D. Jordan; contralto solo, "Oat & Ray of Sunlight" (Sauter), Miss Dorothy Brown.
- 9.0 p.m.—Metropolitan Weather Forecast.

PART II.

THE GAILEY THEATRE ORCHESTRA.

- 8.0 p.m.—Overture, "Comrade in Arms" (Ogrenwald), the Gailey Theatre Orchestra (conductor, Miss Jean Taylor); monologue, "Gobbo Rings up His Doctor" (Aron), Miss

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Ruby Mases; fox-trot, "Who" (Kern), the Gaiety Theatre Orchestra; soprano solo, "Chanson Indoue" (Blazky-Kurasky), Miss Beatrice Pugh; cornet and euphonium duo, "My Lady's Pleasure" (Smith), accompanied by the Gaiety Theatre Orchestra; tenor solo, "Wait" (D'Harclo), Mr. J. Lord; tenor, "White" (Years Go Drifting By" (Kahn), the Gaiety Theatre Orchestra; a thought for tonight, "Life's Shadows" by Will H. Lister; soprano solo, "My Task" (Ashford), Miss Evelyn Grace, (extra); (a) "Roses for Remembrance" (Kahn), (b) "Baby Face" (David and Axt), the Gaiety Theatre Orchestra; soprano solo, "Down Yankal Way" (Oliver), Miss Beatrice Pugh; selection, "Red Hot" (Bowers), the Gaiety Theatre Orchestra.

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

5CL, ADELAIDE

Monday.

MORNING SESSION.

12 noon.—G.P.O. chimes.
12.1 p.m.—Recitals on the Autophone Reproducing System and the New Reproducing System.
12.30 p.m.—Advertiser news service.
1.30 p.m.—Market reports.
1 p.m.—Musical programme continued.
2 p.m.—G.P.O. chimes, and close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. chimes.
3.1 p.m.—Orchestral selections from Maple Leaf Cafe.
3.45 p.m.—From the Studio, New Reproducing System and Autophone Reproducing recitals.
4 p.m.—G.P.O. chimes.
4.1 p.m.—Recital from the Arcadia Cafe—orchestral numbers.
4.35 p.m.—Station announcements.
6 p.m.—G.P.O. chimes, and close down.

EVENING SESSION.

8 p.m.—G.P.O. chimes.
8.1 p.m.—Dinner music broadcast by Concert Garden orchestra.
9 p.m.—Bedtime stories.
1.0 p.m.—Market reports.
1.40 p.m.—Physical culture talk by Mr. Noel Hubble, of the Central College of Physical Culture.
2 p.m.—G.P.O. chimes.
2.15 p.m.—Experimental relay test.
6.20 p.m.—"Twinklers" (Mr. F. J. Mill) burlesque talk.
8.40 p.m.—Relays continued.
9 p.m.—G.P.O. chimes.
9.1 p.m.—Weather report.
9.40 p.m.—Gaiety orchestra.
9.50 p.m.—Studio concert by Mr. Meston Skinner, Mr. Tom King, Mr. Stephen Dunks, Miss Beryl Counter.
10 p.m.—G.P.O. chimes.
10.1 p.m.—Advertiser news service.
10.15 p.m.—Concert partly recast.
11 p.m.—G.P.O. chimes and close down.

6WF, PERTH

Monday.

Cables.
12.30 noon.—Time in.
12.35 p.m.—First local news bulletin.
1 p.m.—Time signal from Perth Observatory.
1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.4 p.m.—Studio Quintette.
2 p.m.—Close down.
3.30 p.m.—Time in.
8.35 p.m.—Musical programme.
9 p.m.—Studio trio.

4.30 p.m.—Close down.
7 p.m.—Time in.
7.5 p.m.—Children's bedtime stories by Uncle Luffy and Henry.
7.55 p.m.—Stock and Share Intelligence.
8 p.m.—Market reports.
Cables. News supplied by courtesy of "The West Australian" Newspapers Co.
8 p.m.—Time signal from Perth Observatory.
8.15 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
8.5 p.m.—Bee Keeping talk by Mr. C. Walslow, under auspices of the Bee Keepers' Association.
9.15 p.m.—BAND NIGHT.
Concert by the Perth Finances Silver Band. Conductor, Mr. J. C. Palmer.
March: "Pompier" (Langworthy).
Song: "Overcome in Arms" (Adnan H. Wakes).
"War March of the Priests" from "Mendelssohn's Athalia".
Euphonium Solo: "The Village Blacksmith" (Hawkes).
Soloist: Deputy Bandmaster Everett.
Descriptive selections: "The Voyage to Heaven" (Hawkes).
Lute Selection.
Fantasia: "Old Kentucky Home" (Grove).
Selection: "The Banner of Liberty" (Goldsmith).
The "Hymns" "Marian and Maidstone" March "Undulant" (Giles).
8.50 p.m.—Health talk by Mr. H. S. Hutton, of the Huxton School of Physical Culture.
10 p.m.—Special local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.
10.30 p.m.—Close down.

Tuesday, March 29

2FC, SYDNEY

EARLY MORNING SESSION.

7 a.m.—"Big Ben." Programme announcements.
7.15 a.m.—Studio music.
7.10 a.m.—Official weather forecast, rainfall, temperatures, astronomical, nautical, shipping intelligence, mail services, commercial news.
7.25 a.m.—Investment market, mining share market, metal quotations.
7.35 a.m.—Food sales, breadstuffs markets, interstate 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.

9.50 a.m.—Marching music for school children.
9.40 a.m.—Studio music.
9.45 a.m.—Last minute sporting information by the ZFC Racing Commissioner.
10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Late "Sydney Morning Herald" news service.
10.30 a.m.—Studio music.
10.40 a.m.—A talk on home cooking and recipes by Miss Ruth Forst.
10.50 a.m.—Studio music.
11 a.m.—Australian Press Association and Bester's Cable Services.
11.5 a.m.—FROM THE SYDNEY TOWN HALL.
Description of the People's Reception at which His Royal Highness, the Duke of York, will attend.
11.55 a.m.—Marching music for school children: From the Studio.
11.55 a.m.—Close down.

MIDDAY SESSION.

12 noon.—"Big Ben" and announcements.
12.5 p.m.—Stock Exchange, first call.
12.8 p.m.—Studio music.
12.50 p.m.—Rugby wireless news.

12.55 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.15 p.m.—"Evening News" midday news service. Producers' Distributing Society's report.
1.25 p.m.—Studio music.
1.34 p.m.—Stock Exchange, second call.
1.40 p.m.—Marching music for school children.
1.50 p.m.—Studio music.
1.55 p.m.—HOTEL WENT.
WORTH at the luncheon table to His Royal Highness, the Duke of York, by the Returned Soldiers' and Sailors' Imperial League. Speeches will be transmitted.
NOTE: At approximately 3 p.m. the Duke of York will speak.
2.15 p.m.—Close down.

AFTERNOON SESSION.

2.30 p.m.—Programme announcements.
2.50 p.m.—Studio music.
2.45 p.m.—FROM THE SYDNEY CRICKET GROUND.
Description of the Display by the Children of the State Schools of New South Wales. Their Royal Highnesses will be received by the Minister of Education and Director of Education.
This will continue until 3.30 p.m.
3.50 p.m.—Marching music for school children.
3.40 p.m.—FROM PARKER'S TEA ROOMS: Miss Jeanette Rooney, contralto: "Some quiet day" (Hops).
3.44 p.m.—A reading.
3.45 p.m.—Studio music.
4 p.m.—"Big Ben."
FROM PARKER'S TEA ROOMS: Miss Eileen Crowley, soprano: "A heart that's true" (Robyn).
4.5 p.m.—FROM THE SYDNEY UNIVERSITY.
The Conferring of Degrees on His Royal Highness, the Duke of York, who will be received by the Chancellor and the Senate.
4.30 p.m.—FROM PARKER'S OAK HALL: Miss Jeanette Rooney, contralto: "Parting" (Hops).
4.55 p.m.—FROM THE SYDNEY UNIVERSITY.
The Conferring of Degrees transmitted in 60 s.
4.40 a.m.—FROM PARKER'S OAK HALL: Miss Eileen Crowley, soprano: "Bird Songs at Eventide" (Coates).
4.45 p.m.—Stock Exchange, third call.
4.48 p.m.—Close down.

EARLY EVENING SESSION.

5.45 p.m.—The Chimes of 2FC.
5.50 p.m.—The "Helo Man" talks to the children.
5.15 p.m.—Miss Sheila Arthwood, mezzo-soprano for the young folk: (a) Australian Bush Song, "Kangaroo Song" (Peterson).
1. Little songs for little folk:
1. "The Happy Child" (Kerchman, arr. by Kahn).
2. "Naughty Boy."
3. "Fiddle Fiddle."
6.30 p.m.—Mr. Tal Ordell continues his series of stories for the children.
6.40 p.m.—Other music.
7 p.m.—"Big Ben." Late sporting news.
7.5 p.m.—Dalgety's Market reports (wheat and stock).
7.55 p.m.—Fruit and vegetable markets.
7.14 p.m.—Weather and shipping intelligence.
7.15 p.m.—Late "Evening News" news service.

NIGHT SESSION.

7.30 p.m.—Programme announcements.
7.35 p.m.—The Rev. A. H. Garnsey, M.A., Warden of St Paul College (in connection with the Workers' Educational Association), will talk on "International Relationships."
7.45 p.m.—FROM HER MAJESTY'S THEATRE, PITT STREET, SYDNEY:
A description of the audience present at the Gala Performance (arranged by J. C. Warden, L.H.) in honor of the visit of Their Royal Highnesses, the Duke and Duchess of York.

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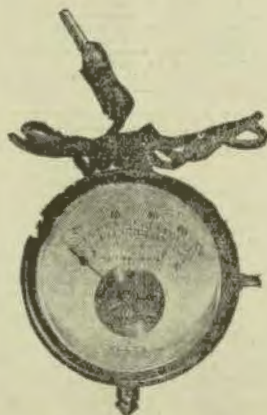
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RADIO

March 16th Issue

Articles include full constructional details of **THE INVICTA FIVE**, the receiver which gained a special prize at the recent Sydney Radio Exhibition.

THE AIRZONE 500, another excellent receiver specially constructed and described by R. H. Oxford and C. Carter.

A wealth of technical information always handy for the broadcast listener.

RADIO

6d.

AT ALL BOOKSTALLS

7.55 p.m.—The Fanfare for Trompeta, written by Mr. Andrew MacCunn, and played by four trumpeters at the famous "Aidu" trumpets.

8. p.m.—"God Save the King" by the Augmented Orchestra under the baton of Mr. Andrew MacCunn.

8.15 p.m.—BROADCAST FOR THE FIRST TIME IN THE HISTORY OF THE WORLD.

Two complete Gilbert and Sullivan Operas—"TRIAL BY JURY."

"H.M.C. PINAFORE."

NOTE: During the intervals at Her Majesty's Theatre, descriptions of interest to listeners will be given and the following items transmitted from the Studio:

(a) "When the tide comes in" (Danby).
(b) "Three Hales" (Hollid).
(c) "Hoot thee, and hoar" (Riego).
(d) "Roubil Order" (Wildely).

The EFC Studio Dance Band, conducted by Mr. Eric Parker.

Mr. Oliver King, well-known basso:
(a) "Now Phoebus sinketh in the West" (Arnel).
(b) "Give a man a horse he can ride" (Hrad).
(c) "You along of me" (Sanderson).
(d) "Young and old" (Kestelby).

APPROX.

11.9 p.m.—"The Ben," FROM THE STUDIO!
Lala news and announcements.

11.6 p.m.—Mr. Belle Pholozig; trumpet solo.

11.3 p.m.—The EFC Dance Band in popular music until midnight.

11.0 p.m.—Mr. Belle Pholozig; trumpet solo.
11.25 p.m.—The EFC Dance Band in popular music until midnight.

10. midnight—"Big Ben."
National Anthem.
Close down.

2BL, SYDNEY

Tuesday.

EARLY MORNING SESSION.

7.15 a.m.—G.P.O. Clock and Chimes.

7.45 a.m.—Metropolitan Weather Forecast.

7.17 a.m.—Musical Programme from the Studio.

7.57 a.m.—Physical Training and Health Exercises.

7.59 p.m.—G.P.O. clock and chimes.

7.31 a.m.—Hints on health.

7.38 a.m.—Physical Training and Health Exercises.

7.55 a.m.—G.P.O. Clock and Chimes.

7.46 a.m.—Weather Report.

7.47 a.m.—Broadcasters' special news service.

8.0 a.m.—G.P.O. clock and chimes; close down.

MORNING SESSION.

10.0 a.m.—G.P.O. clock and chimes.

10.1 a.m.—Weather Report.

10.3 a.m.—Musical Programme from the Studio.

10.35 a.m.—News from the "Daily Telegraph."

10.50 a.m.—Musical Programme from the Studio.

11.0 a.m.—Reception to the Duke and Duchess at the Sydney Town Hall and presentation of Albert Medal to Stanley Gibbs.

11.30 p.m.—G.P.O. Clock and Chimes.

11.41 p.m.—Stock Exchange Reports.

11.52 p.m.—"Sun" Newspapers News Service.

12.01 p.m.—Hilbert's Instrumental Quartet-direction, Carl Gustav.

12.10 p.m.—G.P.O. Clock and Chimes.

12.15 p.m.—Weather Report and Forecast.

12.25 p.m.—Sydney Stock Exchange Cuffs.

12.40 p.m.—News from the "Sun."

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

2.0 p.m.—G.P.O. Clock and Chimes; Close Down.

AFTERNOON SESSION.

Raising information broadcast by courtesy of "Sun."

2.15 p.m.—Children's Display at Sydney Cricket Ground to the Duke and Duchess of York.

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

4.0 p.m.—Reception to the Duchess by the National Council of Women at the Sydney University.

6.0 p.m.—G.P.O. Clock and Chimes; Close Down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes.

6.45 p.m.—Uncle George and the Kiddies.

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

SPECIAL COUNTRY SESSION.

7.0 p.m.—G.P.O. Clock and Chimes. Australian Mercantile Land and Finance Co.'s Report; Weather Report and Forecast; Stock Exchange Reports; Producers' Distributing Society's Fruit and Vegetable Market Report; Daily Produce Report ("Sun"); Grain and Feed Report ("Sun").

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

7.30 p.m.—Talk on "The Motor Car," by Mr. Martin.

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

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

8.15 p.m.—Professor Randal Woodhouse (Toscar).

8.20 p.m.—Broadcaster Mals Quartet.

8.27 p.m.—Mr. Henri Bern (Pialet).

8.37 p.m.—Miss Gladys Vernon (Soprano).

8.43 p.m.—Resume of Following Day's Programme.

8.0 p.m.—G.P.O. Clock and Chimes. Weather Report and Forecast, by Courtesy of Mr. C. RICHARD CHUGG, Flute.

8.27 p.m.—Miss Nellie M. Ferguson.

8.43 p.m.—Mr. Max Gwynne (Soprano).

8.53 p.m.—Mr. Henri Bern (Pialet).

9.06 p.m.—Professor Randal Woodhouse.

9.43 p.m.—Broadcasters' Miniature Orchestra.

9.53 p.m.—Broadcasters' Male Quartet.

10.0 p.m.—G.P.O. Clock and Chimes.

10.11 p.m.—Miss Nellie M. Ferguson.

10.16 p.m.—Mr. Max Gwynne (Soprano).

10.26 p.m.—The Ambassadors' Dance Band.

10.36 p.m.—The Ambassadors' Dance Band.

10.46 p.m.—The Ambassadors' Dance Band.

10.56 p.m.—The Ambassadors' Dance Band.

11.06 p.m.—The Ambassadors' Dance Band.

11.16 p.m.—The Ambassadors' Dance Band.

11.26 p.m.—The Ambassadors' Dance Band.

11.36 p.m.—The Ambassadors' Dance Band.

11.46 p.m.—The Ambassadors' Dance Band.

3LO, MELBOURNE

Tuesday.

MIDDAY SESSION.

THE STUDIO ORCHESTRA.

THE PREMIER FOUR.
C. RICHARD CHUGG, Flute.

ADELIE INMAN, Soprano.

BESSIE GAUNSON, Violin.

HILTON PORTER, Baritone.

Accompanied by ALICE FORTUNE.

"MELLOW-BLING."

12 noon.—Time Signal; British Official Wireless News from Rugby; Reuters' and the Australian Press Association Cables.

"Argus" and "Herald" News Services; Stock Exchange Information.

12.30 p.m.—STUDIO ORCHESTRA, "Post and Peasant" (Suppe).

12.40 p.m.—THE PREMIER FOUR, "Where'd You Get Those Eyes?"

"That's Why I Love You."

12.47 p.m.—C. RICHARD CHUGG, Flute, "Romance" (Salis Sarns).

12.52 p.m.—ADELIE INMAN, Soprano, "Down the Vale" (Frank L. Melri).

"The Little Damocel" (Ives Novello).

1.0 p.m.—STUDIO ORCHESTRA, "Kalinka" (G. Radtzi Friedl).

1.10 p.m.—THE PREMIER FOUR, "Mignonne."

"Holla Acha."

1.17 p.m.—BESSIE GAUNSON, Violin, "Chant Hindu" (Dinuck-Korakow).

1.23 p.m.—Micro-physical Information; Shipping Intelligence; Weather Forecast for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Reports.

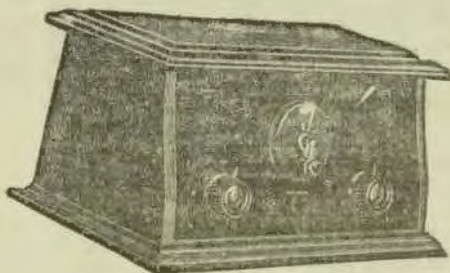
- 1.30 p.m.—**HILTON PORTER**, Baritone, of the Rose Marie Co., by permission of J. C. Williamson, Ltd.,
 "Harcourt" (Sanderson).
 "Myself when Young" (Liza Lehman).
 1.37 p.m.—**STUDIO ORCHESTRA**,
 "Muskowkiana" (Muskovsky).
 1.47 p.m.—**HILTON PORTER**, Baritone,
 "The Call of the Wild."
 "Friends."
 1.54 p.m.—**STUDIO ORCHESTRA**,
 "Wedgewood Blue" (Ketelby).
 2.0 p.m.—Close Down.
 Results of Mainsbury and Quambatook Races will be given as they come to hand.

AU FAIT, MAISON MORELAND.
JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS.

- ARTHUR DOUGLAS**, Scotch Comedian.
HASTINGS AND ADAIR,
OSBORNE AND PERRYER,
CARTHY BROS., English Comedians.
 Accompanied by **AGNES FORTUNE**
 "DISSIPATED SYMPHONISTS."
 2.0 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS**,
 "Sunday" (Miller).
 "By the Sign of the Rose" (Fields).
 "Hello Little Girl of my Dreams" (Berk).
 2.9 p.m.—**"AU FAIT"**, Fashion Talk.
 2.14 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS**,
 "The Original Black Bottom" (Henderson).
 "Hello Aloha" (Baer).
 "Let's All Henry Ford" (Leslie).
 "Comedienne" (Waltz) (Goussak).
 2.54 p.m.—**ARTHUR DOUGLAS**, Scotch Comedian,
 "Noochie McLean" (Faulder).
 2.48 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS**,
 "Buffareddy" Piano Solo (Barry).
 "The More We Are Together" (Lampbell).
 "Very Low" (Lynnans).
 2.49 p.m.—**HASTINGS AND ADAIR**,
 Song, "Georgina."
 Pastor.
 One String Violin, "Berceuse" (Godard);
 Bass, "The King and the King's Men."
 2.49 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS**,
 "Tink a Ling Waltz of the Bell" (Reitt);
 "Baldy Face" (Akatt).
 "Somebody's Lonely" (Davis).
 2.49 p.m.—**OSBORNE AND PERRYER**,
 "Mirthful Moments."
 2.14 p.m.—**JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS**,
 "A Cup of Coffee, A Sandwich, and You" (Meyer).
 "Just One More King" (Gwens).
 "Just a Bird's Eye View" (Donaldson).
 "Thinking of You" (Ash).
 2.25 p.m.—**CARTHY BROS.**, English Comedians,
 "Humor From Home."
 2.32 p.m.—**MATRON MORELAND**,
 Infant Welfare.
 2.45 p.m.—"Herald" News Service; Stock Exchange Information.
 2.48 p.m.—Close Down.

EVENING SESSION.

- 8.49 p.m.—**CHILDREN'S HOUR**, Answers to Letters and Birthday Greetings.
 8.55 p.m.—**STUDIO ORCHESTRA**,
 Nursery Rhymes.
 9.0 p.m.—**MARY GUMLEAF**, Poems,
 "When He Grows Up."
 "Prayer Under D. Realities."
 Story for the Littlest One, "Doll o' Dreams"
 9.16 p.m.—**TRIO**—Clarinet, Violin and Piano,
 "Fairy Tales" (Schumann).
 9.26 p.m.—**MARY GUMLEAF**, Story for Girls, "A Nymph."
 Story for Boys, "The Nave de Well."
 9.35 p.m.—"Arcus" and "Herald" News Service; Weather Synopses; Shipping Movements.
 9.47 p.m.—Stock Exchange Information.
 9.52 p.m.—Fish Market Reports, by J. R. Barrett, Ltd.
 9.55 p.m.—River Reports.
 9.58 p.m.—Market Reports by the Victorian Producers' Co-operative Co., Ltd., Dairy Produce; Potatoes and Onions; Hargraves Sheep Sales; Poultry; Grain; Straw, Hay and Jute.



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RADIO DEPARTMENT, GROUND FLOOR.



Trouble Shooting

The grandest sea game of a century in "trouble shooting" in the stormy Atlantic.

If I were an American boy I should lie awake at night imagining myself in a tiny coastguard cutter stealing up to some huge sleepy iceberg, plunging a deep crevice with dynamite, and then racing away to safety.

How wildly I would cheer as I pressed down the "plunger" and saw the enormous mass of ice rent asunder with a terrific roar, throwing up mountainous waves!

The perils of "trouble shooting" would fascinate me—the days and nights on a tossing cockle-shell out on a rough ocean; the danger of sudden death from shallow ice below the surface; the risk of freezing to death; the ever-present possibility of a dynamite-toned block of the berg falling all out in an instant.

Even more alluring would be the duty of sending wireless warnings to the mighty liners across whose track an iceberg was drifting. I could even see the brilliantly-lighted steamers catch the alarm as they rushed across the seas and shrilly race away to right or left of the annihilation ahead.

Just fancy being able to direct the mightiest fleets in the world by the simple pressure of a finger in a craft lying like a hair-line one hundred miles away!

But it would be all a dream if it were not that the wonderful Burgess Batteries carried by every American coastguard vessel enable the Atlantic liners to carry on in perfect safety. Upon the life and strength, the un-failing service of the finest dry battery ever made, depend the lives of tens of thousands of care-free passengers.

Some day men will build a great monument to the black and white striped radio battery introduced to Australia by the New System Telephones Pty. Ltd., 250 Castlereagh Street, Sydney.

7.4 p.m.—Market Prices of Oranges and Lemons by the Victorian Central Citrus Association; Fruit Market Reports by the Victorian Wholesale Fruiters' Association, compiled by the "Fruit World" exclusive to 21.0.

NIGHT SESSION.

Speakers:
MADAME SOWARD, MR. IAN MAXWELL, M.A., MR. KINGSLEY A. HENDERSON, REV. KENNETH HENDERSON, MALVERN TRAMWAYS BAND, ADELE INMAN, Soprano, THELMA READY, Junge, THE PREMIER FOUR, TAYLOR AND SUMMERS, CARTHY BEGS, English Comedians, HASTINGS AND ADAIR, GRACE JACKSON, Contralto, UNCLE TOM'S CABIN, JOE ARONSON AND HIS SYMPOCIATING SYMPHONISTS.

Accompant ADRES FORTUNE
Announce MAURICE DUDLEY.
7.45 p.m.—MADAME SOWARD,
"Ode To The Sun."

7.50 p.m.—Under the auspices of the University Extension Board, MR. IAN MAXWELL, M.A., Lecturer in English Literature at University Extension House "Tramp, Scholar and Poetist."

7.55 p.m.—Under the auspices of the Royal Institute of Architects, MR. KINGSLEY A. HENDERSON, F.R.V.L.A., "A Civic Centre."

BY SPECIAL REQUEST
8.0 p.m.—MALVERN TRAMWAYS BAND, Conductor, Mr. Harry Shuge, Selection, "Mikado" (Sullivan).

8.10 p.m.—ADELE INMAN, Soprano, "Fruiter Your Neph" (Kranke and Brockman).

"Sommersette" (Clifton Bonnas).
8.15 p.m.—THELMA READY, Junge, Selections.

8.24 p.m.—THE PREMIER FOUR, "Hush a Bye."

8.31 p.m.—REV. KENNETH HENDERSON, "Wireless in Schools—The Bush School."

8.40 p.m.—MALVERN TRAMWAYS BAND, March, "Holyrood" (Alford).
Waltz, "Star of the Ball" (Rimmer).

8.51 p.m.—TAYLOR AND SUMMERS, Songs and Impromptus.

9.1 p.m.—MALVERN TRAMWAYS BAND, Fantasia, "Under Sunny Skies" (Rimmer).
Songs and Impromptus.

MUSICAL NUMBERS.
Quartette, "My Old Kentucky Home" (Huxham Serenaders).

Quartette, "Rhin' Fly" (Huxham Serenaders)
Song and Dance—Topsy.
"The Real Poppy, Woppy, Topsy."

Dancer Marie Le Vere.
8.30 p.m.—THELMA READY, Junge, Quartette, "O, Dem Golden Sippers." (Huxham Serenaders).

"Who's Dat a-calling?" (Huxham Serenaders).
Solo—Uncle Tom, "Swanee River." (Family Tunes)

Quartette, "Foot Old Joe" (Huxham Serenaders).
8.38 p.m.—UNCLE TOM'S CABIN. Adapted and Produced by Mr. Erniey Turner, Musical Items by Huxham's Serenaders and Malvern Tramways Band.

CAST.
Mr. Shelby (Planter) John Forde
Mr. Haley (Planter) Bradford Fowler
Uncle Tom Erniey Turner
Phineas Fletcher Norman Pili
Levy (Black) Edward Lister
Simon Legree John Doherty
Loker Charles Smith
Sambo Thomas Williams
Mr. St. Clare P. L. Jackson
George Shelby Sidney Burgess
Elinor Harris Eugenie Dugan
Marie (Mrs. St. Clare) Geraldine Turner
Lillian Evva Elsie Parkington
Uncle Remus Maudie Herrick
Miss Ophelia Marie Le Vere
Daisy Buchanan Thelma Kowen
Clog Dancer Thelma Dugan
10.0 p.m.—British Official Wireless News from Radio Announcements; Sporting News by "Olympus"

10.10 p.m.—MALVERN TRAMWAYS BAND, Euphonium Solo, "Asleep in the Deep" (Patric).

Soloist, E. K. Pells.
Foycroft, "After I May For Sorry" (Denslow).

10.20 p.m.—CARTHY BEGS, English Comedian,
Let a Pet' Sorry Moment.

10.27 p.m.—HASTINGS AND ADAIR, M.A., "Where'd You Get Those Eyes?"
Patter.

10.30 p.m.—"Tramster,"
Duet, "The Old Top Hat Father Wore."
10.37 p.m.—MALVERN TRAMWAYS BAND, March "Cadejo de Corte" (Huxham).

10.44 p.m.—GRACE JACKSON, Contralto, "The Call of Maytime" (Brube).
"Kintucky Babe" (Gibbel).

10.50 p.m.—Austral News Service; Announcement; Meteorological Information.
11.0 p.m.—OUR GREAT THOUGHT

"Strong chances are brought out by change of situation, and gentle snow by permanence."

RICHIE.
11.1 p.m.—JOE ARONSON AND HIS SYMPOCIATING SYMPHONISTS,
"Baby Face," "Little Bit."

"At Peace with the World,"
"H. Diddle Diddle,"
"Smiling Eyes."

"Nepolitian Nights,"
"Precious,"
"Katinka,"

"Fire, Fire, Fire, Turn the Hose on Me,"
"Princess Betty's Lullaby,"
"Any Ice Today, Lady,"

"Gimme a Little Kiss, Will Ya, Hub?"
"Sweet Marie,"
"Indian Love Call,"
"No Foolin'!"
"Howlin' Off Steam"

"Them'll Be Haver"
11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Tuesday.

MIDDAY SESSION.

1.0 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 Hotel Carlton: Lunch Music played by Hotel Carlton Symphony Orchestra.

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

AFTERNOON SESSION.

3.30 p.m.—A PROGRAMME OF MUSIC FROM THE STUDIO—Duo Art selection, "Serenade" (Schubert); Aeolian Vocalion selections: (a) violin, "Berceuse" (Gul); Miss Peggy Cochrane, (b) contralto solo, "Western Wind" (Irrabe), Miss Ethel Hoole;

Duo Art selection, "Apple Blossoms" (Roberts); Aeolian Vocalion selections: (a) fox-trot "Kinky Kids Parade" (Donaldson), Jeffries Kiallo Orchestra, (b) baritone solo "Toscaletto George Veto" (Terhald), Mr. Ernest Hunter; Duo Art selection, "Moon Motifs" (Kraemer); Aeolian Vocalion selections: (a) band "El Cautivo" (Somel), U.S.A. (b) Regiment Band, (c) contralto solo "In the Gloaming" (Harrigan), Miss E. Francis Fischer; Duo Art selection, "Concerto in A Minor" (Handelshohm).

4.10 p.m.—Lecture, "A Talk on Baseball." No. 1, by a representative of the Australian Ladies Baseball Association.

4.20 p.m.—"The Telegraph" News Service.
4.30 p.m.—Close Down.

EARLY EVENING SESSION.

5.0 p.m.—"Daily Standard" News, Announcement.
4.40 p.m.—The Children's Session: Storms by "The Bez and Uncle Jim."

7.0 p.m.—Market Reports; Stock Reports; Lecture, "A Talk on Dairying" (Mr. C. H. Murray-Goodwin); "The Daily Standard" News Service.

7.30 p.m.—Weather News, Announcements.
7.45 p.m.—Standard Time Signal.

NIGHT SESSION.

7.45 p.m.—Lecture Session, "The Home Beautiful," by Mr. E. J. Chilton.

CONCERT FROM MR. W. DONALD'S HOME.
The whole of to-night programme will be relayed from the home of Mr. W. Donald, of West End.

8.0 p.m.—From West End: Male Quartette, "Abderfyoyle," the Serenaders; soprano solo, "Sound the Bells;" Miss B. Donald, baritone solo, "March of the Cameron Men;" Mr. F. Curson; contralto solo, "Song of the Emigrant;" Miss G. Henderson; duet, "Wert Thou in the Cauld Blast," Messrs. Donald and Tamblin; comic song, "We're Tootin' us a;" Mr. Donald, tenor; "Jolly solo, selected, Mr. Drover; tenor solo, "Mountain Lovers," Mr. W. Donald, junr.; baritone solo, "Mary of Araby," Mr. J. Woodland; duet, "The Land of the Leal," Miss Oswald and Mrs. Johnson; bass solo, "Burrak for the Highlands," Mr. S. Tamblin; soprano solo, "Willie's tango to Melville Castle," Mrs. Wilson; baritone solo, "Jack of Hazzard;" Mr. D. Donald; Interlude, "The Story of Three Men in a Tent."

9.0 p.m.—Metropolitan Weather Forecast.
Pianoforte solo, selected, Mrs. H. Woolmer; male quartette, "The Long Day Closes," the Serenaders; contralto solo, "Auld Robin Gray," Miss G. Henderson; baritone solo, "Standard on the Bram of Mar," Mr. F. Curson; comic song, "My Old Corduroy," Mr. W. Donald, tenor; soprano solo, "Friends Across the Sea," Miss H. Oswald; violin solo, selected, Mr. H. Drover; baritone solo, "The Auld House," Mr. D. Donald; humorous item, selected, Mr. Johnson; soprano solo, "Castles in the Air," Mrs. Wilson; tenor solo, "Draw the Sword," Mr. W. Donald, junr.; recitation, "Gaidhe Bhean," Miss R. Fredericks; bass solo "The Quaker," Mr. S. Tamblin; male quartette, "The Soldier's Farewell," the Serenaders; comic song, "Dan Maconey," Mr. Donald, tenor; baritone solo, "Annie Laurie," Mr. J. Woodland. AUL LANG SYNE.

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

5CL, ADELAIDE

Tuesday.

MORNING SESSION.

12 noon.—G.P.O. chimes.
12.1 p.m.—Autotone Reminiscence and New Reproducing Sonora recitals.
12.20 p.m.—"Silvercup" News Service.
12.50 p.m.—Market Reports.
1.0 p.m.—Musical Programme Continued.
2.0 p.m.—G.P.O. Chimes and Close Down.

AFTERNOON SESSION.

3.0 p.m.—Relay from Maple Leaf Cafe; Orchestral selections.
3.45 p.m.—Sonora selections from the Studio.
4.1 p.m.—Relay from the Aramida Cafe—Orchestral numbers.
4.45 p.m.—Market reports.
5.0 p.m.—G.P.O. Chimes and Close Down.

EVENING SESSION.

6.0 p.m.—G.P.O. Chimes.
6.1 p.m.—Dinner Music Broadcast by Covent Garden Orchestra.
7.0 p.m.—Bedtime Stories.
7.30 p.m.—Market Reports.
7.40 p.m.—Home beautiful talk by "Domus."
8.0 p.m.—G.P.O. Chimes.
8.1 p.m.—Evening of comic opera gems by the following: Miss Marjorie Walsh, Mr. Fred Williamson, Mr. Lionel Clark, Miss M. Pirie, Mrs. Blanche Scheider, augmented 5CL Orchestra.
9.0 p.m.—G.P.O. Chimes.
9.1 p.m.—Weather Report.
9.3 p.m.—Dalgety's West Report.
9.5 p.m.—Operas Continued.
10.0 p.m.—G.P.O. Chimes.
10.1 p.m.—News Service.
10.15 p.m.—Operas Continued.
11.0 p.m.—G.P.O. Chimes and Close Down.



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6WF, PERTH

Tuesday.

- 12.30 a.m.—Tune in.
12.45 p.m.—First local news bulletin.
Market reports.
Cables.
1 p.m.—Time signal from Perth Observatory.
10.1 a.m.—Weather, news supplied by the
Meteorological Bureau of Western Australia.
1.2 p.m.—Studio Talk.
1.40 p.m.—Close down.
1.50 p.m.—Tune in.
2.45 p.m.—Musical programme, including
phonograph selections by Miss Evelyn Willis.
A.R.C.M.
3.30 p.m.—Studio Talk.
4.30 p.m.—Close down.
7 p.m.—Tune in.
7.15 p.m.—Stories for tiny tots, by Auntie
Kate.
7.30 p.m.—Dale Leslie will talk to the boys.
7.55 p.m.—Stock and share intelligence.
Market reports.
Cables. News supplied by courtesy of "The
West Australian" Newspaper Co.
8 a.m.—Time signal from Perth Observatory.
8.1 p.m.—Weather news supplied by the
Meteorological Bureau of Western Australia.
8.2 p.m.—Talk, "Tops" by Mr. F. Rick.
8.15 p.m.—Main and song.
Musical programme, including artists.
10 p.m.—Second local news bulletin, supplied
by courtesy of "The Daily News" Newspaper
Co.
10.50 p.m.—Close down.

Wednes., March 30 2FC, SYDNEY

EARLY MORNING SESSION

- 7 a.m.—"Big Ben." Programme announce-
ments.
7.5 a.m.—Studio music.
7.10 a.m.—Official weather forecast, rainfall,
temperatures, astronomical, oceanic,
shipping intelligence, mail services.
7.25 a.m.—International market, mining share
market, social quotations.
7.35 a.m.—Wool sales, handicrafts markets,
intelligible markets, produce markets.
7.45 a.m.—"Friday Morning Herald" news
service.
8 a.m.—"The Ben." Studio music.
8.15 a.m.—Close down.

MORNING SESSION.

- 8.30 a.m.—Marching music for school children.
9.10 a.m.—Studio music.
10 a.m.—"Big Ben" and announcements.
10.15 a.m.—Late "Friday Morning Herald"
news service.
10.30 a.m.—Studio music.
10.45 a.m.—A social story.
11 a.m.—"Big Ben" Australian Press As-
sociation and Reader's Cable Services.
11.10 a.m.—Studio music.
11.15 a.m.—A talk on home cooking and re-
cipes by Miss Ruth Farns.
11.30 a.m.—Marching music for school children.
11.35 a.m.—Close down.

MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
12.15 p.m.—Stock Exchange, Best call.
12.20 p.m.—Studio music.
12.30 p.m.—Early wireless news.
12.35 p.m.—Studio music.
1.30—"Big Ben" Weather intelligence.
1.35 p.m.—"Evening News" midday news ser-
vice. Contractors' Distributing Society's re-
port.

- 1.35 p.m.—FROM THE CONGREGATIONAL
CHURCH, PITT STREET, SYDNEY:
The Last Midday Organ Recital by Miss
Lillian Frost prior to her departure for Eng-
land.
2 p.m.—"Big Ben." Stock Exchange, second
call.
2.15 p.m.—Close down.

AFTERNOON SESSION

- 2.30 p.m.—Studio programme announcements.
2.35 p.m.—Solo items by the pupils of
Madame Ada Baber:
1. "When our eyes first met."
2. "If a bell whir threw a smile at You"
(Fenn).
3. "The Frost" (Sibelius).
4. VIOLIN SOLO, "Berocous" (Townsend).
5. Monologue, "He Did" (Fradco).
6 p.m.—"Big Ben." A talk by Captain Fred
Aarons, subject: "Drama of the Ancient
Greeks."
2.15 p.m.—Vocal items by Madame Ada
Baber, pupils:
8 (a) "The Guest"
(b) "A Bowl of Roses" (Clarke).
9. "The Merry of Araby" (Scott song).
8 (a) "Power and Peace" (Phillips).
(b) "With Courty Grace" (Phillips).
3.30 p.m.—Marching music for school children.
3.40 p.m.—FROM FARMER'S TEA ROOMS:
Miss Gladys Aubin, soprano:
"The Pipes of Pan are Calling" (Monkton).
3.45 p.m.—Studio music.
3.50 p.m.—"Big Ben" and announcements.
FROM FARMER'S TEA ROOMS:
Miss Peggy Dunbar, contralto:
"When my Ships" (Dorel).
4.15 p.m.—A reading.
4.20 p.m.—FROM FARMER'S TEA ROOMS:
Miss Gladys Aubin, soprano:
"Daftodia in London Town" (Phillips).
4.25 p.m.—Studio music.
4.40 p.m.—FROM FARMER'S TEA ROOMS:
Miss Peggy Dunbar, contralto:
"If I might come to you" (Squire).
4.45 p.m.—Stock Exchange, third call.
4.45 p.m.—Close down.

EARLY EVENING SESSION.

- 5.45 p.m.—The Chimes of 2FC.
5.50 p.m.—"The Hello Man" talks to the
children.
5.55 p.m.—Mr. Ted Orrell continues his series
of stories for the young folk.
6.40 p.m.—Studio music.
7 p.m.—"Big Ben." Late sporting news.
7.10 p.m.—Oulgate's market reports (wool,
wheat, pig stock).
7.15 p.m.—Fruit and vegetable markets.
7.25 p.m.—Weather and shipping intelligence
Stock Exchange.
7.30 p.m.—Late "Evening News" news ser-
vice.

NIGHT SESSION.

- 7.40 p.m.—Programme announcements.
7.45 p.m.—A talk on Community Service Clubs
by Mr. J. W. Allen.
8 a.m.—"Big Ben." Madame Vera Tasma,
soprano:
"Tell me my heart" (Bishop).
8.5 p.m.—FROM THE N.S.W. CONSERVA-
TORIUM OF MUSIC. (By courtesy of the
Director and the artists.)
Items from the Beethoven Commemoration
Concert:
"Lazarus" No. 2. (Beethoven).
The N.S.W. Conservatorium Orchestra.
Conductor, Mr. W. Arundell Orchard, Mus.
Bac.
8.30 p.m.—FROM THE STUDIO:
Madame Vera Tasma, soprano:
(a) "Daftodia" (Scott).
(b) "Shoes" (Thomas) (by request).
8.35 p.m.—FROM THE N.S.W. CONSERVA-
TORIUM OF MUSIC, SYDNEY:
"Concerto No. 3 in C Minor" for Piano-
forte and Orchestra, Opus 37 (Beetho-
ven).
Solo Pianist, Mr. Frank Hutchens; and the
N.S.W. Conservatorium Orchestra.
9 p.m.—"Big Ben."
9.15 p.m.—"WAIPI" Male Quartet:
(a) "Mulligan's Mustaches" (Aberdeen).

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- (b) "Nolle was a Lady" (Cocks).
- (c) "Curnfield Melodius" (arr. Waifs).
- 9.5 p.m.—Miss Daisy Richards, violinist:
"Spanish Dance" (Sarasate).
- 10.12 p.m.—Madame Vera Lasus, soprano:
"I was Dreaming" (Juncaker).
- 10.20 p.m.—Mr. Frank Leonard, comedian:
"A Telegraph Story" (Meigs).
- 10.24 p.m.—"The Four Waifs," Male Quartette:
(a) "Lost Chord" (Sullivan).
(b) "Pennsylvania."
(c) "Puccinissimo" Lullaby" (Maep).
- 10.28 p.m.—Miss Daisy Richards, violinist:
(a) "Humoreske" (Dvorak) (by request).
(b) "Gavotte" (Bach-Kreisler).
- 10.40 p.m.—Mr. Frank Leonard, comedian:
"Sarah Alice" (Weston Lee).
- 10.44 p.m.—"The Four Waifs," Male Quartette:
(a) "In Absence" (Dudley Buck).
(b) "Medley" (arr. Waifs).
(c) "Every Bushing Tree?"
- 10.48 p.m.—The Radio Serial Fares: **THE MAN WHO WOULDN'T QUIT**, written by Godfrington Hall and produced by Scott Alexander and his Company.

Part Three will be given this evening and listeners who have followed the Story will require to send in their solutions by midday of the 26th April as the final instalment will be given on that evening and the winners of the £10 cash prizes will be announced.

- 10.54 p.m.—Miss Daisy Richards, violinist:
"Dirge of the North" (Balogh-Kreisler).
- 10.58 p.m.—"The Four Waifs," Male Quartette:
(a) "Dear Little Shamrock" (Butcher).
(b) "Show Me the way to get Home" (King).
(c) "Down South" (arr. Waifs).
- 10.58 p.m.—**FROM THE WENTWORTH CAPE**:
The Wentworth Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.
- 11.05 p.m.—Mr. Frank Leonard, comedian:
(a) "Lied Lov" (arr. Weston Lee).
(b) "Have one more before you go" (Pounds).
- 11.05 p.m.—The Wentworth Symphonic Dance Orchestra in popular numbers. Conductor, Mr. Frederick Leighton.
- 11 p.m.—"Big Ben," Late news and announcements from the Studio.
- 11.5 p.m.—Celebrity records.
- 11.15 p.m.—The Wentworth Symphonic Dance Orchestra will play until midnight.
- 12 midnight—"Big Ben," National Anthem.
- Close down.

2BL, SYDNEY

Wednesday.

EARLY MORNING SESSION.

- 5.18 a.m.—G.P.O. Clock and Chimes.
- 7.10 a.m.—Metropolitan Weather Forecast.
- 7.17 a.m.—Musical Programme from the Studio.
- 7.28 a.m.—Physical Training and Health Exercise.
- 7.30 a.m.—G.P.O. Clock and Chimes.
- 7.31 a.m.—Hints on Health.
- 7.36 a.m.—Physical Training and Health Exercise.
- 7.45 a.m.—G.P.O. Clock and Chimes.
- 7.46 a.m.—Weather Report.
- 7.47 a.m.—Broadcasters special news service.
- 8.0 a.m.—G.P.O. Clock and Chimes; Close Down.

MORNING SESSION.

- 11.0 a.m.—G.P.O. Clock and Chimes.
- 11.1 a.m.—Weather Report.
- 11.3 a.m.—Musical Programme from the Studio.
- 11.8 a.m.—Sydney "Daily Telegraph" News Service.
- 11.15 a.m.—Rabbit Market Report.
- 11.17 a.m.—Pish Market Report.
- 11.19 a.m.—Vegetable Market Report.
- 11.21 a.m.—Pruit Market Report.
- 11.23 a.m.—London Dairy Farm Egg and Poultry Market Report.
- 11.25 a.m.—London Metal Quotations.
- 11.30 a.m.—Ships in Call by Wireless.
- 11.35 a.m.—Information re Interstate and Overseas Mails.

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12/- per 5-watt set.
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- 11.24 a.m.—Shipping information—arrivals and departures.
- 11.36 a.m.—WOMEN'S SESSION: Talk on "Camping," by Miss Carley, President'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 p.m.—Talk on "Rheumatic Fever," by Dr. Norris.
- 12.50 p.m.—G.P.O. Clock and Chimes.
- 12.53 p.m.—Sydney Stock Exchange Calls.
- 12.58 p.m.—News from the "Sun."
- 12.45 p.m.—Musical Programme from the Studio.
- 1.0 p.m.—G.P.O. Clock and Chimes.
- 1.1 p.m.—Pianoforte Lecture Recital, by Mr. Arnold R. Moir, B.A. Broadcast from the Fine Art Gallery, Anthony Harders.
- 1.40 p.m.—News from the "Sun."
- 1.50 p.m.—Sydney Stock Exchange Calls.
- 2.0 p.m.—G.P.O. Clock and Chimes.
- 2.11 p.m.—News from the "Sun."
- 2.45 p.m.—Musical Programme from the Studio.
- 3.0 p.m.—G.P.O. Clock and Chimes.
- 3.1 p.m.—Shipping Report.
- 3.20 p.m.—News from the "Sun."
- 3.30 p.m.—Musical Programme from the Studio.
- 3.45 p.m.—News from the "Sun."
- 4.0 p.m.—G.P.O. Clock and Chimes.
- 4.1 p.m.—Musical Programme from the Studio.
- 4.18 p.m.—Serial Story entitled "The Borrowed Shill."
- 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 Fruit and Vegetable Market Report.
- 4.50 p.m.—Shipping Information when Available.
- 4.42 p.m.—Days menu resume on race days.
- 4.55 p.m.—News from the "Sun."
- 4.58 p.m.—Resume of Night's Programme.
- 5.0 p.m.—G.P.O. Clock and Chimes; Close Down.
- EARLY EVENING SESSION.**
- 8.45 p.m.—G.P.O. Clock and Chimes.
- 8.46 p.m.—Little Willie and Daddy Long Legs will entertain the kiddies.
- 8.49 p.m.—Musical Programme from Studio.
- SPECIAL COUNTRY SESSION.**
- 7.0 p.m.—G.P.O. Clock and Chimes.
- 7.0 p.m.—G.P.O. Clock and Chimes. Australia's Mercantile Land and Finance Co.'s Report; Weather Report and Forecast, by courtesy of Government Meteorologist; Producers' Distributing Society's Fruit and Vegetable Market; Stock Exchange Reports; Grain and Fodder Report; Dairy Produce Report ("Sun.")
- 7.15 p.m.—Country News from the "Sun."
- 7.30 p.m.—Talk on St. John's Ambulance.
- 8.0 p.m.—G.P.O. Clock and Chimes; Broadcasters' Typical Chorus.
- 8.10 p.m.—Mr. Reg. Harrison (Comedian).
- 8.17 p.m.—Miss Heather Kinsaid (Contralto).
- 8.24 p.m.—Mr. Frank Ryan (Comedian).
- 8.31 p.m.—Morris and Charlton in Duets.
- 8.48 p.m.—Miss Mae Eatheringham (Soubrette).
- 8.53 p.m.—Mr. Stanley E. Cullitt (Tenor).
- 9.0 p.m.—G.P.O. Clock and Chimes; Resume of Following Day's Programme; Weather Report and Forecast, by courtesy of Mr. G. J. Mares, Government Meteorologist.
- 9.2 p.m.—Mr. A. G. Steel.
- 9.12 p.m.—Mr. Reg. Harrison.
- 9.18 p.m.—Miss Heather Kinsaid.
- 9.25 p.m.—Interim.
- 9.21 p.m.—Mr. Stanley E. Cullitt.
- 9.28 p.m.—Miss M. Pottingham.
- 9.45 p.m.—Mr. Frank Ryan.
- 9.23 p.m.—Nell Crane and Alf. J. Lawrence.
- 10.12 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.
- 12.0 midnight.—G.P.O. Clock and Chimes. National Anthem.

2GB, SYDNEY

Wednesday.

MORNING SESSION.

- Cherish Hour conducted by Mr. J. K. Powell.
- 9.30 a.m.—Music.
- 9.50 a.m.—Psychological Class.
- 10.3 a.m.—Music.
- 10.10 a.m.—Biographical Talk for Seniors.
- 10.25 a.m.—Music.
- 10.30 a.m.—Close down.

AFTERNOON SESSION.

- 3.55 p.m.—
- 4.45 p.m.—
- 4.0 p.m.—
- 4.8 p.m.—
- 4.20 p.m.—
- 4.38 p.m.—

EVENING SESSION.

- 7.30 p.m.—Children's Session conducted by Mr. J. K. Powell.
- 7.18 p.m.—Music.
- 7.25 p.m.—Address by the Rt. Rev. G. S. Arundale: "Do you really want to be happy?"
- 7.50 p.m.—Music from Studio.
- 8.20 p.m.—Songs by Miss Ethel Jones.
- 8.6 p.m.—Address by Professor Ernest Wood.
- 8.16 p.m.—Vocal duet.
- 8.25 p.m.—Piano solos, ADA BROOK.
- 8.30 p.m.—200 Vocal Quartette.
1. "Laugh and get 'er out."
2. "Merry 'ole the waves we go."
3. "I don't see it."
- 8.40 p.m.—Musical Index, MONICA BORDER.
- 8.43 p.m.—Announcements.
- 9.0 p.m.—Typical talk.
- 9.18 p.m.—Vocal duets.
- 9.23 p.m.—Songs by Clement Harding.
- 9.30 p.m.—Piano solo, ADA BROOK.
- 9.33 p.m.—Vocal solo, MONICA BORDER.
- 9.40 p.m.—200 Vocal Quartette:
1. "Way to the West."
2. "Huddling Song."
3. "Good night, Ladies."
- 9.50 p.m.—Cherish talk.
- 10.0 p.m.—Great Thoughts from Great Minds.

3LO, MELBOURNE

Wednesday.

MIDDAY SESSION.

- LENENT MIDDAY SERVICE from ST. PAUL'S CATHEDRAL.
- STUDIO ORCHESTRA.
- MARJORIE VERE, soprano.
- TAYLOR AND SUMMERS.
- ORECK HAYES, the Talkative Chap.
- Accompanied by AGNES FORTUNE.
- "Merry Widows" (Lehar).
- 12 noon.—Time Signal British official wireless news from Rugby, Beuter's and the Australian Press Association cables. Stock Exchange information, "Argus" and "Herald" news services.
- 12.25 p.m.—SPECIAL LENENT MIDDAY SERVICE, transmitted from St. Paul's Cathedral. Speaker: Mr. F. C. PURBRICK.
- 12.55 p.m.—STUDIO ORCHESTRA.
- "Merry Widows" (Lehar).
- 1.3 p.m.—MARJORIE VERE, soprano:
- "The Wood Pigeon" (Lehman).
- "The Owl" (Lehman).
- 1.12 p.m.—TAYLOR AND SUMMERS.
- Songs and Impressions.
- 1.17 p.m.—Meteorological information, Shipping intelligence, Weather forecast for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast, River reports.
- 1.24 p.m.—STUDIO ORCHESTRA.
- Callans, Algers" (Roosin).
- 1.31 p.m.—ORECK HAYES, the Talkative Chap, wants you to join him for a few minutes.

- 1.42 p.m.—**MARJORIE VERY**, soprano:
"The Yellow Hammer" (L. Hanan).
"The Starling" (Fehman).
- 1.48 p.m.—**STUDIO ORCHESTRA**:
Selection, "Nautical Scenes" (Pletcher).
- 2 p.m.—Close down.
Results of the **SIRPPARTON JOCKEY CLUB** will be given as they come to hand.
- 2.30 p.m.—Description of **TRIAL HANDICAP**,
leveling races, by "Musket" of the "Sporting Globe."
- AFTERNOON SESSION.**
THE STUDIO ORCHESTRA.
PREMIER FOUR, male quartet.
WALTER SMITH, cornet.
CARTHY BROS., English comedians.
DOROTHY ROXBURGH, viola.
ADELE INMAN, soprano.
HASTINGS & ADAIR,
Accompanist..... **AGNES FORTUNE**.
- 2 p.m.—Description of **WELTER HANDICAP**,
leveling races, by "Musket" of the "Sporting Globe."
- 2.2 p.m.—**STUDIO ORCHESTRA.**
"In Sunny Spain," Part 1 (Ferry Elliott).
2.16 p.m.—**THE PREMIER FOUR.**
"Midnight Waltz."
"Just around the corner."
- 2.22 p.m.—**WALTER SMITH**, cornet.
"Shoenerd's Morning Song" (Suppe).
- 2.30 p.m.—Description of **142 PONY RACER**,
leveling races, by "Musket" of the "Sporting Globe."
- 2.37 p.m.—**STUDIO ORCHESTRA.**
"In Sunny Spain," Part 2 (Ferry Elliott).
- 2.45 p.m.—**CARTHY BROS.**, English comedians.
Bits from home.
- 2.52 p.m.—**DOROTHY ROXBURGH**, viola.
"Andante" (Haydn).
- 3 p.m.—Description of **ST. PATRICK'S DAY HANDICAP**,
leveling races, by "Musket" of the "Sporting Globe."
- 3.15 p.m.—**STUDIO ORCHESTRA.**
"Bance Oriental."
- 3.15 p.m.—**ADELE INMAN**, soprano.
"Chanson de Florian" (Godard).
"Night Bird's Cooe" (Helf).
- 3.22 p.m.—**STUDIO ORCHESTRA.**
"The Show Suite" (Ansell).
- 3.30 p.m.—Description of **FLYING HANDICAP**,
leveling races, by "Musket" of the "Sporting Globe."
- 3.35 p.m.—**HASTINGS & ADAIR.**
Song, "The Day He Took Me to Wensley."
"Kiss you good morning."
Comedy Song, "Egyptian Mammy."
"I love Lizzie."
- 3.45 p.m.—"Herald" news service.
Stock Exchange information.
- 3 p.m.—Description of **NOVELTY PONY RACE**,
leveling races, by "Musket" of the "Sporting Globe."
- 2.5 p.m.—Close down.
- EVENING SESSION.**
- 5.40 p.m.—**CHILDREN'S HOUR.** Answers to letters and birthday greetings.
- 5.55 p.m.—**HAROLD COLLIER'S CRACKA-JACK MUTHORGAN BAND.**
Popular melodies.
- 6.5 p.m.—"MARY, MARY." Story for the little ones.
"The Princess and the Muffin Man."
- 6.15 p.m.—**GRACE JACKSON**, will sing two little songs to the children.
(Accompanist **ELSIE BRADSHAW**.)
- 6.22 p.m.—"MARY, MARY."
"Goblin Market."
- 6.35 p.m.—"Arise" and "Herald" news services. Weather and aerial mail information, by the Australian Aerial Service, Ltd.
- 6.34 p.m.—Stock Exchange information.
Overseas shipping.
- 6.52 p.m.—Fish market reports by J. R. Borrett, Ltd.
- 6.58 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd. Hay-market shows maize, Poultry, grain, hay, straw, jute, chaff. Dairy produce. Potatoes and onions. Market prices of oranges



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NIGHT SESSION.

Speaker: Mr. H. CROWE.
"MARGOYLE."
CAPT. PETERS
THE STUDIO ORCHESTRA.
CARTHY BROS. English comedians.
LEN GIBSON'S NEAPOLITAN SEXTET.
MADAME E. ASHLEY, soprano.
CIRCE HAYES, the Talkative Chap.
TASMA TERNAN, 'cello.
SYD L. EXTON, tenor.
ARTHUR DOUGLAS, Scotch comedian.
TAYLOR & SUMMERS.
JOE ARONSON & HIS SYNCO-SYM
PHONISTS.

Accompanist AGNES FORTUNE.
Announcer MAURICE DUGLEY.
7.15 p.m.—Under the auspices of the Department of Agriculture, MR. R. L. J. Export Superintendent.
"Market Comments."

7.30 p.m.—"MARGOYLE." Your car in winter. A short talk about the operation of your car during winter, and a few simple suggestions of how to avoid trouble.

7.45 p.m.—CAPTAIN PETERS.
"Books, wine and otherwise."
8 a.m.—STUDIO ORCHESTRA.
"A Love Suite," Part 1. (Lute).
8.15 p.m.—CARTHY BROS., English comedians.

"Humorous Hamburgs."
8.20 p.m.—LEN GIBSON'S NEAPOLITAN SEXTET.

"The Lost Chord" (Sullivan).
"Symphony" (Prinz).

8.27 p.m.—MADAME E. ASHLEY, soprano.
"Quando Men' Ve" (Funetti).
8.35 p.m.—STUDIO ORCHESTRA.
"Lo Sola" (Bonomini).

8.41 p.m.—CIRCE HAYES, the Talkative Chap, has a little trouble with "Tasmania's Donkey."

8.52 p.m.—TASMA TERNAN, 'cello.
"Romance Sans Parole" (Dardoff).
9 p.m.—SYD L. EXTON, tenor.
"When Shadows Gather."

"You in a Gondola."
9.7 p.m.—STUDIO ORCHESTRA.
"The Old Refrain" (Kovalev).

9.17 p.m.—ARTHUR DOUGLAS, Scotch comedian.
"The Hullo Railway Porter" (Douglas).

9.24 p.m.—LEN GIBSON'S NEAPOLITAN SEXTET.
"Melody of Old Time Memories" (Arr. Gibson).

Mandolin solo, Len Gibson.
Melody in F" (Rikhtstein).

9.31 p.m.—MADAME E. ASHLEY, soprano.
"The Blue Danube."
"Charming Chime."

9.38 p.m.—TAYLOR & SUMMERS.
Songs and Impromptus.

9.48 p.m.—STUDIO ORCHESTRA
"Fantasia" from "Miksammer's Night Hymn" (Mendelssohn).

9.54 p.m.—British official wireless news from Rugby. Announcements.

10.0 p.m.—SYD L. EXTON, tenor.
"Two Indian Love Lyrics" (Woodford-Findley).

10.15 p.m.—LEN GIBSON'S NEAPOLITAN SEXTET.
"Where did you get those eyes?"
Mandolin and guitar duo.

"Plantation Melody" (Jr. Gibson).
10.22 p.m.—ARTHUR DOUGLAS.
"The Boss of the house" (London).

10.28 p.m.—STUDIO ORCHESTRA
"Johanna" (Arr. Godfrey).

10.35 p.m.—"Argus" news service. Announcements. Meteorological information.

10.45 p.m.—JOE ARONSON & HIS SYNCO-SYMPHONISTS.
"While the Sahara Sleeps."
"Lobosomo and sorry."



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17 p.m.—OUR GREAT THOUGHT.

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11.1 p.m.—JOE ARONSON & HIS SYNCO-SYMPHONISTS.

"Hilare II on the Walks."

"Dog on the Piano."

"The me to your apron strings."

"Ma Too-He-He-He-He."

"Praying for the Moon."

"Oh, Miss Janina."

"Love Board."

"That's why I love you."

"There's a haunting in the Villa."

"Nobody but you."

"Johanna."

"Moonlight on the Ganges."

"Some other bird whistled a tune."

"While the stars go drifting by."

11.40 p.m.—O'D SAVANNEH.

4QG, BRISBANE

Wednesday.

EARLY MORNING SESSION

6.00 a.m.—Physical Culture Session.

7.0 a.m.—Close Down.

MIDDAY SESSION

1.0 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 4.30 Lunch Hour Music played by the Postal Institute Orchestra.

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

AFTERNOON SESSION

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

4.15 p.m.—From a Studio: News Service supplied by "The Telegraph."
4.20 p.m.—Close down.

EARLY EVENING SESSION

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

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

7.0 p.m.—Market Reports: Stock Reports; Lecture: "Conserving Fuel for Drought Periods" (Mr. J. K. Murray (Principal, Queensland Agricultural High School and College, Gatton)).

7.20 p.m.—Weather News Announcements.
7.45 p.m.—Standard Time Signal.

NIGHT SESSION

7.44 p.m.—Lecture: Seamen: A talk to motorists, by Mr. W. J. Donlan.

STUDIO CONCERT

8.0 p.m.—Overture, "Catherina Carnaro" (Lachner); the Studio Orchestra (conductor, Mr. A. R. Featherston); soprano solo,

"The Carnival" (Molloy); Miss Jill Manners; recitativo, "The Wheels of Time"; Miss Ruby Mason; tenor solo, "Come Into the Garden Maud" (Hulfe); Mr. John Steel;

tenor, "Step Along Henry" (Olman); the Studio Orchestra; a thought for tonight by Will St. Lister, "The Average Man";

baritone solo, "I'll Sing Three Songs of Italy" (Clay); Mr. C. E. Aspley; collection, "Queen of the Pippa Isle" (Lazmann); the Studio Orchestra; concerto solo, selected,

Miss Lillian McLean; group of mouth organ numbers by the Brisbane baritone solo, "Mother of Mine" (Loura); Mr. C. E. Aspley; violin solo, "Nocturne in E-Flat" (Chopin-Sarasate); Mr. E. King McCullough;

soprano solo, "The Dove" (Romaine); Miss Jill Manners; dance fantaisique, "Fleuriste" (Grosswald); the Studio Orchestra.

9.0 p.m.—Metropolitan Weather Forecast.
 Tenor solo, "Roses" (Adams), Mr. John Steel; march, "The Boomerang" (Lithgow); The Studio Orchestra; monologue, "When You Care for a Girl," Miss Ruby Messer; group of mouth organ numbers by "The Sandman"; contralto solo, selected, Miss Lilian McLean, two-step, "Violetta" (Olman), the Studio Orchestra; monologue, "The Shooting of Dan MacGregor," Miss Eileen McLennan; The Intermexes, "Brown Eyes" (Weiss); the Studio Orchestra.
 10.0 p.m.—The "Daily Mail" News; Weather News; Close Down.

5CL, ADELAIDE

Wednesday.

MORNING SESSION.

12 noon.—G.P.O. Chimes.
 12.1 p.m.—Lutitone Reproduser and New Reproducing Sonora recital.
 12.26 p.m.—"Advertiser" News Service.
 12.50 p.m.—Market Reports.
 1.0 p.m.—Musical Programme Continued.
 2.0 p.m.—G.P.O. Chimes and Close Down.

AFTERNOON SESSION.

3.0 p.m.—Relay from the Maple Leaf Cafe—Orchestral numbers.
 3.45 p.m.—From the Studio—Autotone Reproduser and Sonora recital.
 4.0 p.m.—G.P.O. chimes.
 4.1 p.m.—Relay from the Arcadia Cafe—Orchestral numbers.
 4.25 p.m.—Market Reports.
 5.0 p.m.—G.P.O. Chimes and Close Down.

EVENING SESSION.

6.6 p.m.—G.P.O. Chimes.
 6.1 p.m.—Dinner Music Broadcast by Covent Garden Orchestra.
 7.0 p.m.—Bedtime Stories.
 7.30 p.m.—Market Reports.
 7.40 p.m.—Boy Scouts' Corner.
 8.0 p.m.—G.P.O. Chimes.
 8.1 p.m.—Relay from Osborne Hall—Mr. Hubert Carmichael's Dance Band.
 8.20 p.m.—Song, Mr. A. Matters.
 8.24 p.m.—Humorous Interlude, Mr. W. Ronge.
 8.30 p.m.—Mr. H. Carmichael's Band.
 8.45 p.m.—Song, Miss Linda Wald.
 8.49 p.m.—Song, Mr. Fred Williamson.
 8.54 p.m.—Humor, Mr. W. Ronge.
 9.0 p.m.—G.P.O. Chimes.
 9.1 p.m.—Weather Report.
 9.3 p.m.—Dalgety's Wheat Report.
 9.6 p.m.—Relay from Osborne Hall.
 9.30 p.m.—Song, Miss Jean Sinclair.
 9.34 p.m.—Pianoforte solo, Miss M. Meegan.
 9.35 p.m.—Song, Mr. Arnold Matters.
 9.45 p.m.—Relay Osborne Hall.
 10.0 p.m.—G.P.O. Chimes.
 10.1 p.m.—"Advertiser" News Service.
 10.15 p.m.—Song, Miss Linda Wald.
 10.19 p.m.—Humor, Mr. W. Ronge.
 10.24 p.m.—Song, Mr. Fred Williamson.
 10.28 p.m.—Relay Osborne Hall.
 10.45 p.m.—Song, Miss Jean Sinclair.
 10.49 p.m.—Pianoforte solo, Miss M. Meegan.
 10.54 p.m.—Song, Mr. A. Matters.
 10.58 p.m.—Station announcements.
 11.0 p.m.—G.P.O. Chimes and Close Down.

6WF, PERTH

Wednesday.

12.30 p.m.—Tune In.
 12.35 p.m.—Mazette, news and cables.
 1 p.m.—Time signal from Perth Observatory.
 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 1.2 p.m.—Studio Septette.
 2 p.m.—Close down.
 3.30 p.m.—Tune In.
 3.35 p.m.—Musical programme.
 4 p.m.—Biddy's Frie.
 4.30 p.m.—Close down.
 7 p.m.—Tune In.

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7.5 p.m.—Children's playette, "Doric Tom's Cabin" by Dick Duffy.
8.00 p.m.—Stocks, markets, news.
8.10 p.m.—"Time signal from Perth Observatory."
8.15 p.m.—Weather notes.
8.20 p.m.—Talk: "Birds of the Antarctic," by Mr. F. Lawson-Whitlock.
8.30 p.m.—"With Us This Week," selection by the Studio String Trio.
Miss Evelyn Willis, A.R.C.M., piano.
Mr. E. G. Beaman, 'cello.
Mr. E. J. Newman, violin.
10 p.m.—Special local news bulletin compiled by mailing of "The Daily News" Newspaper Co.
10.30 p.m.—Close down.

Thursday, March 31

2FC, SYDNEY

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.
7.8 a.m.—Studio music.
7.10 a.m.—Official weather forecast, rain-fall, temperatures, astronomical, oceanic, shipping intelligence, mail services.
7.25 a.m.—Investment market, mining share market, rental quotations.
7.35 a.m.—Wood sales, breadstuffs markets, inter-State markets, produce markets.
7.45 a.m.—"Sydney Morning Herald" news service.
7.55 a.m.—"Big Ben," Studio music.
8.15 a.m.—Close down.

MORNING SESSION.

8.30 a.m.—Marching music for school children.
8.40 a.m.—Studio music.
9.45 a.m.—Last minute sporting information by the 2FC Racing Commission.
10 a.m.—"Big Ben" and announcements.
10.2 a.m.—Late "Sydney Morning Herald" news service.
10.30 a.m.—Studio music.
10.45 a.m.—A. Dickson's Reading.
11 a.m.—"Big Ben," Australian Press Association and Reuter's cable services.
11.15 a.m.—Studio music.
11.30 a.m.—Marching music for school children.
11.55 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
12.5 p.m.—Stock Exchange, first call.
1.5 p.m.—Studio music.
1.55 p.m.—Rugby wireless news.
1.55 p.m.—Miss Dorrie Carroll, soprano.
2 p.m.—"Big Ben," Weather Intelligence.
2.10 p.m.—"Evening News" midday news service.
Practica's Distributing Society's report.
2.25 p.m.—Stock Exchange, second call.
2.30 p.m.—Marching music for school children.
2.40 p.m.—Studio music.
2.55 p.m.—Last minute sporting information by 2FC Racing Commission.
2 p.m.—Close down.

AFTERNOON SESSION.

2.55 p.m.—Programme announcements.
2.55 p.m.—Elocutionary items by the Pupils of Mr. Lawrence Campbell.
1. "Banerwoman of the Dandies" (Wentner).
Miss Maide Watkins.
2. "Home, Sweet Home" (Aron).
Miss Betty Thorton.
3. "The Quilter" (Serious).
Mr. Harry Timmer.
4. "The Hearty" (Aron).
Miss Olive Melnerney.
5. "Not Understood" (Breakham).
Miss Mary Barr.
6. "The Tree" (Aron).
Miss Dag Vovian.

3.20 p.m.—Mr. Cliff Hannay, violinist!
"Londanberry Air" (Kreuzler).
3.30 p.m.—Marching music for school children.
3.40 p.m.—FROM FARMER'S TEA ROOMS.
Miss Joyce Gillespie, mezzo-soprano.
"Tell me, Miss" (Dye).
3.45 p.m.—Studio music.
3.50 p.m.—A reading.
4 p.m.—"Big Ben."
FROM FARMER'S TEA ROOMS:
Miss Meryl Halliday, contralto.
"Nocturne" (Liszt).
4.05 p.m.—Mr. Cliff Hannay, violinist!
"Amazilia and Kolumba" (Kreuzler).
4.15 p.m.—Studio music.
4.20 a.m.—FROM FARMER'S TEA ROOMS.
Miss Joyce Gillespie, mezzo-soprano.
"Two troubled Kora" (Elliot).
4.25 p.m.—Studio music.
4.30 p.m.—FROM FARMER'S TEA ROOMS.
Miss Meryl Halliday, contralto.
"Go out, Judge, Go!" (Bridge).
4.35 p.m.—Stock Exchange, third call.
4.40 p.m.—Close down.

EARLY EVENING SESSION.

5.45 p.m.—"The Chimes of 2FC."
5.50 p.m.—The "Helm Man" talks to the children.
6.00 p.m.—Mr. Tal Ordell continues his series of stories.
6.15 p.m.—Dinner music.
6.20 p.m.—"Big Ben." Late sporting news.
6.25 p.m.—Baleys's market reports (wheat, wheat and stock).
6.35 p.m.—Fruit and vegetable markets.
6.40 p.m.—Weather and shipping intelligence.
Stock Exchange.
6.45 p.m.—Late "Evening News" news service.

NIGHT SESSION.

7.40 p.m.—Programme announcements.
7.45 p.m.—A talk by the Technical Editor of "Wireless Weekly."
8 p.m.—"Big Ben."
FROM THE LERIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY.
Items by Jimmy Elkin's Orchestra with the Grand Organ.
7.15 p.m.—HIGHLIGHTS FOR THE FIRST TIME FROM THE DECK AND QUARTERS OF THE NAVAL TRAINING SHIP, R.M.A.S. "TUNGARA," ANCHORED AT ROSE BAY, SYDNEY.
Description of the ship and musical items.
See Shanties by Mr. Herbert Fry and his Male Party:
(a) "We're all bound to go."
(b) "Sally Brown."
(c) "Sbandadad."
(d) "What shall we do with the drunken sailor?"
7.25 p.m.—Mr. Alfred Cunningham, baritone:
"When bright eyes glance" (Hedgecock).
7.35 p.m.—The 2FC Studio Dance Band, conducted by Mr. Eric Fearn, in popular numbers.
7.35 p.m.—Some humorous cartoons and comic drawings by Mr. Herbert Jervis.
7.45 p.m.—Miss Mabel Batchelor, soprano:
"Cantata" (Penn).
7.55 p.m.—Mr. Harry Bandle, trumpet solo.
8.00 p.m.—Community singing by the boys on the "Tungara."
8 p.m.—"Big Ben."
Miss Kitty Elliott, comedienne.
8.4 p.m.—The 2FC Studio Dance Band; conductor, Mr. Eric Fearn.
8.12 p.m.—Mr. Alfred Cunningham, baritone:
"In Happy Moments" (Wallace).
8.15 p.m.—Miss Mabel Batchelor, soprano:
(a) "Gilt in the stilly night."
(b) "Musetta Waltz Song" (Boehme).
8.22 p.m.—The 2FC Studio Dance Band in a popular number.
8.25 p.m.—Mr. Herbert Fry and his Male Party in Sea Chanties:
(a) "Blow the man down."
(b) "Good morning, ladies all."
(c) "Tom's cow to Hilo."
(d) "The Dead Horse."
8.45 p.m.—Miss Kitty Elliott, comedienne.
8.45 p.m.—Mr. Alfred Cunningham, baritone:
(a) "Lanang's Log" (Loch).
(b) "Dana."

- 9.52 p.m.—A few words from the Commander of the H.M.A.S. "Tingira."
 9.55 p.m.—Miss Habel Bachelier, soprano:
 "Home o' Mine" (Muehensie).
 9.58 p.m.—The 2FC Studio Dance Band.
 10.05 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY.
 Jimmy Elkin's Jazz Band with the Grand Organ.
 10.15 p.m.—Mr. Norman Leslie, comedian:
 "Cuban uses me thirty-seven dollars" (Gee-lio).
 10.18 p.m.—Mr. Cy Peir, Ukulele Troubadour:
 "A Man never Knows" (Friend).
 10.22 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY.
 Jimmy Elkin's Jazz Band with the Grand Organ.
 10.30 p.m.—FROM THE STUDIO.
 Mr. Cy Peir, Ukulele Troubadour:
 "I've named my yellow after you" (Hemo-Lucas-Waldron).
 "Oh gee, George!" (Sherman).
 10.32 p.m.—Mr. Norman Leslie, entertainer:
 "He was very kind to Me" (Jander).
 10.40 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY.
 The New Wentworth Symphonic Dance Orchestra, Conductor, Mr. Frederick Leighton.
 10.48 p.m.—FROM THE STUDIO.
 Mr. Norman Leslie, entertainer:
 "Oh, to-morrow night."
 10.52 p.m.—Mr. Cy Peir, Ukulele Troubadour:
 "If I can't have you" (Lucas).
 1.00 p.m.—Mr. Norman Leslie, entertainer:
 "What does the pussy-cat mean?" (Nelson).
 11 p.m.—"Big Ben."
 Late news and announcements.
 11.5 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY.
 The Wentworth Symphonic Dance Orchestra, conducted by Mr. Frederick Leighton, in popular numbers until midnight.
 12 midnight—"Big Ben."
 National Anthem.
 Close down.

2BL, SYDNEY

Thursday.

EARLY MORNING SESSION.

- 7.15 a.m.—G.P.O. clock and chimes.
 7.18 a.m.—Metropolitan weather forecast.
 7.17 a.m.—Musical programme from the Studio.
 7.23 a.m.—Physical training and health exercises.
 7.29 a.m.—G.P.O. clock and chimes.
 7.31 a.m.—Hints on health.
 7.38 a.m.—Physical training and health exercises.
 7.43 a.m.—G.P.O. clock and chimes.
 7.46 p.m.—Weather report.
 7.47 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.
 10.3 a.m.—Musical programme from the Studio.
 10.29 a.m.—News service from the "Daily Telegraph."
 10.45 a.m.—Musical programme from the Studio.
 10.59 a.m.—Ten minutes talk supplied by the N.R.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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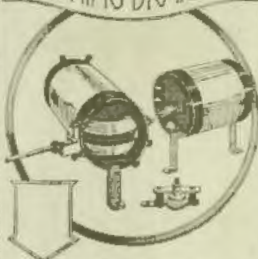
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- 11.31 a.m.—Information re interests and covers mails.
11.33 a.m.—Shipping information—arrivals and departures.
11.35 a.m.—Women's Session—Social notes by Mrs. Jordan.
11.45 a.m.—Mrs. Jordan replies to correspondents.
11.55 a.m.—Talk on "Decorating Parrotree" by Mr. Wrayner.
12.24 p.m.—Musical programme from the Studio.
12.30 p.m.—G.P.O. clock and chimes.
12.31 p.m.—Sydney Stock Exchange calls.
12.33 a.m.—"Sun" Newspaper's news service.
12.45 p.m.—Hullier's Instrumental Quartet—Direction, Caryl Custling.
1.30 p.m.—G.P.O. clock and chimes.
1.31 p.m.—Weather report.
1.33 p.m.—Sydney Stock Exchange calls.
1.35 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.

- Being information broadcast by courtesy of the "Sun."
2 p.m.—G.P.O. clock and chimes.
2.1 p.m.—Weather report.
2.1 p.m.—Special notes from the "Sun."
2.10 p.m.—News from the "Sun."
2.15 p.m.—Musical programme from the Studio.
2.19 p.m.—G.P.O. clock and chimes.
2.21 a.m.—Country Women's Session.
2.45 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.—Serial story, entitled "The Borrowed Shield."
4.30 p.m.—Musical programme from the Studio.
4.45 p.m.—Producers' Distributing Society's fruit and vegetable market report.
4.50 p.m.—Shopping information when available.
4.55 p.m.—Dav's racing routine on race days.
4.55 p.m.—News from the "Sun."
4.58 p.m.—Season of night's programme.
5 p.m.—G.P.O. clock and chimes.
Close down.

EARLY EVENING SESSION.

- 8.45 p.m.—G.P.O. clock and chimes.
8.45 p.m.—Little Willie and Daisy Langless will entertain the kiddies.
8.49 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

- 9 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 reports.
Producers' Distributing Society's fruit and vegetable market report.
Grain and fodder report ("Sun").
Dairy produce report ("Sun").
4.55 p.m.—Country news from the "Sun."
9 p.m.—G.P.O. clock and chimes.
Broadcasters' Topical Chorus.
8.1 p.m.—Broadcasters' Trio.
8.13 p.m.—Miss Winifred Jenner, memo address.
8.20 p.m.—Fashion and social notes by Miss Beale Torrington, Broadcasters' fashion expert, broadcast from the ballroom of the Ambassadors.
8.25 p.m.—Mr. Bobby Watson, comedian.
8.32 p.m.—Miss Beryl Scott, soprano.
8.35 p.m.—Mr. Walter Champney, comedian.
8.46 p.m.—Mr. Albert Jones, tenor.
8.50 p.m.—Miss Eileen Gilbert, comedienne.
9 p.m.—G.P.O. clock and chimes.
Resume of following day's programme.
Weather report and forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.

- 8.8 p.m.—Broadcasters' Trio.
8.13 p.m.—Miss Winifred Jenner.
9.12 p.m.—Fashion and social notes by Miss Beale Torrington, from the Ambassadors.
9.21 p.m.—Mr. Bobby Watson.
9.34 p.m.—Miss Beryl Scott.
9.41 p.m.—Walter Champney and Eileen Gilbert.
9.48 p.m.—Broadcasters' Trio.
10.6 p.m.—Mr. Albert Jones.
10.10 p.m.—The Ambassadors' Grand Band broadcast from the ballroom of the Ambassadors. During the intervals between dances, news report by courtesy of the "Sun" will be broadcast.
12 midnight—G.P.O. clock and chimes.
National Anthem.

3LO, MELBOURNE

Thursday.

MIDDAY SESSION.

- A ribbon gay we weave
Of rare and valuable
And cast it far abroad
O'er sea and done.
THE STUDIO ORCHESTRA.
IAN DEVEREUX, baritone.
TASMA TERNAN, alto.
ADELE INMAN, soprano.
GRACE JACKSON, contralto.
C. RICHARD CRUGG, flute.
Accompanied by AGNES FORTUNE.
12 noon.—Time signal. British official wireless news from Rugby. Reuter's and the Australian Press Association cables. Stock Exchange information.
12.30 p.m.—STUDIO ORCHESTRA.
"Maple Flats."
12.40 p.m.—IAN DEVEREUX, baritone (of the late and much-remembered J. C. Williamson, Ltd., "Lighterman Tom" (Suite), "My Dreams" (Trio)).
12.47 p.m.—TASMA TERNAN, alto.
12.52 p.m.—ADELE INMAN, soprano.
"Haven of Tenderness" (Gordon), "Wake Up" (Phillips).
1 p.m.—STUDIO ORCHESTRA.
"Ballet Suite" (Rameau-Motte).
1.10 p.m.—GRACE JACKSON, contralto.
"Open thy Blue Eyes" (Massenet), "In a Manicure Garden" (Ketyby).
1.17 p.m.—C. RICHARD CRUGG, flute.
"By the Brook."
1.22 p.m.—IAN DEVEREUX, baritone.
"The Women of England" (Gorman), "Wayfarer's Night Song" (Scottish Melody).
1.30 p.m.—STUDIO ORCHESTRA.
"Barrade" (Chaminade), "Love Song" (Weinberg).
1.40 p.m.—GRACE JACKSON, contralto.
"Home of Mine" (Nurdoch), "Bliss You" (Novello).
1.45 p.m.—STUDIO ORCHESTRA.
"Fanchin" (Lenaux).
2 p.m.—Close down.
Results of Wergeratta Turf Club Races and Cranbourne Races will be given as they come to hand.

AFTERNOON SESSION.

- BY WAY OF VARIETY.
Speaker MISS FRANCES FRASER.
THE STUDIO ORCHESTRA.
HASTING AND ADAIR.
CARTHY BROS.
WALTER SMITH, organist.
"GENTLE" HAYES, the Jubilate Chap.
TAYLOR & SUMMERS, English comedians.
EVENING.
Avenge!—AGNES FORTUNE.
2 p.m.—STUDIO ORCHESTRA.
"March" (Schubert).
2.10 p.m.—MISS FRANCES FRASER.
"Early Woman Novelist."

1.30 p.m.—HASTINGS AND ADAIR.
"A Little Nonsense."
1.55 p.m.—STUDIO ORCHESTRA.
"Serenade" (Cagani).
1.45 p.m.—CARTHY BROS., English humor-
ists.
Snaps and Snatches.
1.52 p.m.—WALTER SMITH, cornet.
"Zelda" (Uche).
1.57 p.m.—"CHECK" HAYES, the Talkative
Chap—In patient, he may stop talking
some day.
1.55 p.m.—STUDIO ORCHESTRA.
"Ballad D'Amour" (Blanc).
1.15 p.m.—TAYLOR AND SUMMERS.
Songs and Impressions.
1.22 p.m.—STUDIO ORCHESTRA.
"Tolando" (Sullivan).
1.50 p.m.—"Herald" news service. Stock
Exchange Information. Acceptances for
Epsom Races, Saturday, 2nd April.
1.45 p.m.—EVENSONG, transmitted from St.
Paul's Cathedral.
1.50 p.m.—Close down.

EVENING SESSION.

5.40 p.m.—CHILDREN'S HOUR—Answers to
letters and birthday greetings.
1.55 p.m.—THE PREMIER FOUR.
"Comin' thro' the Rye."
"Barcelona."
6.2 p.m.—HAROLD COLLIER.
Mouth organ selections.
1.10 p.m.—"MARY GUMLEAF"—poems.
"The Naughty Niece."
"Husband Beauty."
Story for the littlest ones.
"The castle of make believe."
6.20 p.m.—THE PREMIER FOUR.
"Little Fish Girl."
"I'm gonna knock my blues."
6.27 p.m.—"MARY GUMLEAF"—Story for
boys and girls.
"Heroes of the World in Chains."
6.55 p.m.—"Aveus" and "Herald" news ser-
vices. Weather synopsis. Shipping move-
ments.
6.47 p.m.—Stock Exchange information.
6.52 p.m.—Fish market reports by J. M.
Berrett, Ltd.
6.55 p.m.—River reports.
6.55 p.m.—Market reports by the Victorian
Producers' Co-operative Co., Ltd. Hay-
market sheep sales. Poultry, grain, hay,
straw, jute. Dairy produce. Potatoes and
onions.
7.6 p.m.—Market reports of fruit by the Vic-
torian Fruiters' Association, compiled by
the "Fruit World," exclusive of B.O. Mar-
ket prices of oranges and lemons by the
Victorian Central Citrus Association Pty.,
Ltd.

NIGHT SESSION.

"THE ALABAMA STOMP."
JOE ARONSON AND HIS SYNCO-
SYMPHONISTS.
CHECK HAYES, the Talkative Chap.
THE PREMIER FOUR.
CARTHY BROS., English comedians.
TAYLOR AND SUMMERS.
Speaker: MR. EDWARD SIMMS.
MR. A. W. JACKSON.
MISS STEPHANIE DESTÉ.
Announcer MAURICE DUDLEY.
Accompanist AGNES FORTUNE.
7.15 p.m.—MR. EDWARD SIMMS, secretary
of the Commonwealth Railways, "The His-
tory and Construction of the East-West
Railway." (Kalgoorlie-Fort Augusta).
7.30 p.m.—MR. A. W. JACKSON will speak on
"Golf."
7.45 p.m.—MISS STEPHANIE DESTÉ, now
appearing as "Wanda" in Rose Marie, will
speak to you from her dressing-room, by
permission of J. C. Williamson.
8 p.m.—JOE ARONSON AND HIS SYNCO-
SYMPHONISTS.
"The Royal Ambassadors" (Stanton).
"Zuleika My Desert Maid" (Gunning).
"In a Little Garden" (Iula).

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AN IMPORTANT AUCTION SALE

Will be held

AT A DATE TO BE ANNOUNCED
LATER,
OF THE SALVAGE

removed from the scene of the late fire at the Premises of The Murray Electric Company, 340 Kent Street, to the Rooms of the Auctioneer, No. 1 Hamilton Street (between Bridge and Hunter Streets).

BY ORDER OF THE FIRE LOSS
ASSUROR.A LARGE QUANTITY OF LATEST
MODEL WIRELESS RECEIVERS &
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F. R. STRANGE,

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1 HAMILTON STREET.

Phone: HW 6129.

- 8:10 p.m.—"CHECK" HAYES, the Talkative
Clap, will only keep you a few minutes.
- 8:14 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"There ain't no make in my dog's eye"
(Kahn).
"Thinking of you" (Ade).
"Perfume of the past" (Meyerson).
- 8:24 p.m.—THE PREMIER FOUR.
"That Certain Part".
- 8:28 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"We don't want to be married" (Herny).
"Bye, Bye Blackbird" (Dixson).
"Laughing at the Treaty" (Wendell).
- 8:38 p.m.—CARTHY BROS., English comedians.
Comedians.
- 8:42 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"Bunksters" (Walker).
"I can't forget" (Morton).
"While the years go drifting by" (Kahn).
8:52 p.m.—TAYLOR AND SUMMERS.
Songs and impressions.
- 8:58 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"Paradise Alley".
"Where did you get those eyes" (Ronald-
son).
"Sing, Katie, but leave the piano alone"
(Tracy).
- 9:02 p.m.—MARY CLAXTON, soprano.
"You lay so still in the machine" (Wendell-
Taylor).
- 9:10 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"Whisper SM." (Bryan).
"No feeling—who do you love?" (Bach).
"Bertha I love you" (Gleason).
- 9:20 p.m.—CHECK HAYES, the Talkative
Clap.
"Harmonious Soliloquy."
- 9:24 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"The Swan Madley of Medley" (Art
Somers).
"Tonight's my night with baby" (Meyer).
"Lonesome and sorry" (Dixon).
- 9:34 p.m.—THE PREMIER FOUR.
"Gipsy Land"
- 9:38 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"Say that you love me" (Nicks).
"S'chults a back again".
"I'd climb the highest mountain" (Brown).
- 9:44 p.m.—CARTHY BROS., English comedians.
Fragments of Humor.
- 9:52 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"She's everybody's Sweetheart" (Rose).
"It made you happy" (Donaldson).
"While we danced till dawn" (Schuster).
- 9:52 p.m.—ARONSON NEWS service, British of-
ficial wireless news. Meteorological in-
formation. Sporting notes by "Olympus".
- 10:17 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"Let's grow old together" (Nicks).
"Talking in the moon" (Basket).
"The Anna's Fair" (La Foyette).
- 10:27 p.m.—TAYLOR AND SUMMERS.
Songs and impressions.
- 10:31 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"At peace with the world" (Berlin).
"Freckle" (Greer).
"Say it again" (Richman).
- 10:41 p.m.—MARY CLAXTON, soprano.
"Moonlight" (Gulliver).
- 10:44 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"Save your sorrow" (De Sylva).
"Bluffin'reddy" (Burry).
"In a little Spanish town" (Young).
- 10:58 p.m.—THE PREMIER FOUR.
"The winds are calling" (Ronald).

- 11 p.m.—OUR GREAT THOUGHT.
"To be content with little is difficult to be
content with much, impossible." Marie
Elmer-Eschelbach.
- 11:11 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"Somebody's Lonely" (Davis).
"How would Red Riding Hood" (Handolph).
"My Pal Jerry" (Rose).
- 11:18 p.m.—MARY CLAXTON, soprano.
"Waltz Song from 'Maid of the Moon'
duet.
- 11:18 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"My dream of the big parade" (Dubin).
"It's a wonderful world after all" (Davis).
"How colored Glasgow" (Hoagier).
- 11:22 p.m.—THE PREMIER FOUR.
"How Now, Hank".
- 11:30 p.m.—JOE ARONSON & HIS SYMCO-
SYMPHONISTS.
"Ah! I waiting for time" (Bibbi).
"I dream of love and you" (Taylor).
"I care of Malabar" (Nicks).
"Get a bird's eye view" (Kahn).
- 11:40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

Thursday.

MIDDAY SESSION.

- 1:0 p.m.—Market Reports: Weather Informa-
tion supplied by the Commonwealth Weather
Bureau. News and items supplied by "The
Daily Mail" and "The Daily Standard".
- 1:20 p.m.—From Hotel Carlton: Lunch Hour
Music played by Hotel Carlton Symphony
Orchestra.
- 1:58 p.m.—From the Observatory: Standard
Time Signal.
- 2:0 p.m.—Close Down.

AFTERNOON SESSION.

- 2:30 p.m.—A PROGRAMME OF MUSIC
FROM THE STUDIO: Duo Art selection,
"Blue Danube Waltz" (Strauss); Aeolian
Vocalion selections—(a) violin solo
"Summer song" (Wood), Mr. Samuel
Kutcher, (b) quart "Darry me back to my
Carrollin' Home" (Silver), Evans, Irving
and Jack Knowles; Duo Art selection,
"Crescendos Love" (Lincke).
- 2:45 p.m.—Lectures, "A Child Welfare Talk:
Hilfie Feeding," by Nurse "Anslan" Voc-
ation selections: (a) fox-trot "Lonah"
(Nest), the Royal Troubadour, (b) vocal
solo, "Ninna Nanna" (Frimdell) Signor
Gina; Duo Art selection, "Dances
of the Rainforest" (Lindner), Aeolian Voc-
ation selections, (c) ball solo "Harded
March" (Wagner), Mr. E. J. Gilligan, (d)
quartette "Kastanier Blaubl" (Gleason)
"Shannon Four"; Duo Art selection,
"Hummer" (Hühnestein).
- 3:10 p.m.—Lectures: "A Talk on Baseball"
—No. 2, by a representative of the Aus-
tralian Ladies' Baseball Association.
- 4:20 p.m.—"Telegraph" News.
- 4:30 p.m.—Close Down.

EARLY EVENING SESSION.

- 6:0 p.m.—"Daily Standard" News, Announ-
ces, etc.
- 6:20 p.m.—Bedtime Stories by "The Sand-
man."
- 7:0 p.m.—Market Reports; Stock Reports;
Lectures: "A Talk on Sheep Raising";
Mr. W. G. Brown (Instructor in Sheep
Raising).
- 7:30 p.m.—Weather News; Announcements.
- 7:45 p.m.—Standard Time Signal.

NIGHT SESSION.

- 9:45 p.m.—Lecture Session, A. Talk on books,
by Mr. W. A. Braden.

THE CURLEW TROUBADOURS.

8.0 p.m.—Male chorus, "The Marseillaise" (Rouget de Lisle), the Curlew Troubadours; tenor solo, selected, Mr. A. Smith; ballad, "The Immortal Hero" (Latter), the Troubadour Instrumental Quartette (Miss G. Cough piano, Messrs. Lawrence and Thomas violin, and Mr. R. Youngon cello); vocal duet, "The Moon Hath Rained Her Lamp" (Burdell), Messrs. C. Birkbeck and H. Plowes; male part song, "A Summer Song" (Hermann Lohf), the Curlew Troubadours; pianoforte solo, "Valse de Concert" (Wieniawski), Miss Elsie Yorston, L.T.C.L.; baritone solo, "The French Hussar" (Hope Temple), Mr. T. Griffiths; male chorus, "The Pilgrim's Chorus from Tannhäuser" (Wagner), the Curlew Troubadours; tenor solo, "A! Moon of My Delight" (Lina Lehmann), Mr. H. Dunn; operatic fantasia, "William Tell" (Sage), the Troubadour Instrumental Quartette; humorous item, "I'd Rather Have a Hard Boiled Egg," Mr. E. Kenyon, the entertainer; male part-songs—(a) "When the Great Red Dew is Shining" (Sharp), (b) "Old Mother Hubbard" (Whisler), the Curlew Troubadours.

9.0 p.m.—Metropolitan Weather Forecast, March. "Stars and Stripes" (Sousa), the Troubadour Instrumental Quartette; tenor solo, "The Realm of Prunice" (Kreitelberg), Mr. C. T. Birkbeck; male chorus, "Comrades in Arms" (Assens), the Curlew Troubadours; pianoforte solo, "Country Garden" (Liszt), Miss Elsie Yorston, L.T.C.L.; male part-song, "Sing Me Love's Lullaby" (Morse), the Curlew Troubadours; vocal duet, "Fever and Baritone" (B. Laine Wilson), Messrs. C. Kolb and R. Pike; humorous, "A Musical Switch" (Alford), the Troubadour Instrumental Quartette; baritone solo, "Beverly's Cream and Clay" (Russell), Mr. Stanley Yorston; male part-songs (a) "An Evening's Pastoral" (Shaw), (b) "Old Folks at Home" (Sutton), the Curlew Troubadours; tenor solo, "Ma Brevan" (Foot), Mr. A. Smith; selection, "Les Contes d'Hermann" (Lohant), the Troubadour Instrumental Quartette; male part-song "The Tickling Trio" (Martini), the Curlew Troubadours; humorous item, "In the Shadows on the Window Blind," Mr. E. Kenyon the entertainer; male part-song "How Can I Bear to Leave Thee" (Kinkel), the Curlew Troubadours.

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

5CL, ADELAIDE

Thursday.

MORNING SESSION.

12 noon—G.P.O. Chimes.
12.1 p.m.—Selections on the Autotone Reproducer and the New Reproducing Sonora.
12.30 p.m.—Advertiser's News Service.
12.50 p.m.—Market Reports.
1.0 p.m.—Musical Programmes Continued.
2.0 p.m.—G.P.O. Chimes and Close Down.

AFTERNOON SESSION.

3.0 p.m.—G.P.O. Chimes.
3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral Selections.
3.45 p.m.—Selections from the Studio.
4.0 p.m.—G.P.O. Chimes.
4.1 p.m.—Relay from the Arcadia Cafe—Orchestral numbers.
4.25 p.m.—Station announcements.
5.0 p.m.—Market Reports and Close Down.

EVENING SESSION.

6.0 p.m.—G.P.O. chimes.
6.1 p.m.—Dinner music broadcast from Dover Garden Cafe.
7.0 p.m.—Bedtime Stories.
7.30 p.m.—Market Reports.
7.40 p.m.—Mr. Whittenbury will deliver an address.
8.0 p.m.—G.P.O. Chimes.

BRANDES

"Aristocrat RADIO"

Note

Each week following this advertisement, we have something new to show, and tell you about—

Brandes Aristocrat Condenser, .0003, 30/-, .0005 with 50-1 Vernier Dial.

Brandes Table Talker. The infant with a big voice, 45/-.

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International Radio Co., Ltd.

200 CASTLEREAGH ST. : SYDNEY

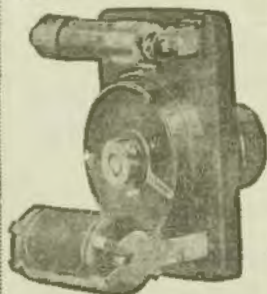
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CARBORUNDUM RADIO DETECTOR.

Is fixed—permanent—no adjustments, nothing to get out of order, and won't burn out. Brings true, clear crystal tones to any reflex or crystal set, and is guaranteed. Simply connect each end and tune in.



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N.S.W.: 484 Kent St., Sydney.
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- 9.1 p.m.—Pipe organ solo by St. Bartholomew's Church organist, Mr. Frank Bowden.
9.10 p.m.—Song, Miss Grace Customs.
9.14 a.m.—Recitation, Mr. Frank Part.
9.20 a.m.—Song, Mr. Norman Shepherd.
9.24 p.m.—Violin solo, Mr. Jas. Gleason.
9.28 a.m.—Song, Mr. Ken Hughes.
9.34 p.m.—Organ solo, Mr. Frank Bowden.
9.42 p.m.—Song, Miss Grace Customs.
9.46 p.m.—Recitation, Mr. Frank Part.
9.48 p.m.—Pianoforte solo, Miss Lucy Foglia.
9.56 p.m.—Song, Mr. Eric Wickens.
9.6 p.m.—G.P.O. Chimes.
9.1 a.m.—Weather Report.
9.3 p.m.—Delaney's Wheat Report.
9.6 p.m.—Organ solo, Mr. Frank Bowden.
9.15 p.m.—Song, Mr. Ken Hughes.
9.19 p.m.—Violin solo, Mr. Jas. Gleason.
9.23 p.m.—Song, Mr. Norman Shepherd.
9.27 p.m.—Organ solo, Mr. Frank Bowden.
9.31 p.m.—Song, Mr. Eric Wickens.
9.41 p.m.—Recitation, Mr. Frank Part.
9.47 p.m.—Song, Miss Grace Customs.
9.51 p.m.—Organ solo, Mr. Frank Bowden.
10.0 p.m.—G.P.O. Chimes.
10.1 p.m.—Advertiser's News Service.
10.11 p.m.—Song, Mr. Norman Shepherd.
10.15 p.m.—Recitation, Mr. Frank Part.
10.20 p.m.—Song, Miss Grace Customs.
10.24 p.m.—Pianoforte solo, Miss Lucy Foglia.
10.28 p.m.—Song, Mr. Eric Wickens.
10.43 p.m.—Song, Mr. Ken Hughes.
10.48 p.m.—New Reproducing Camera rental.
11.0 p.m.—G.P.O. Chimes and Close Down.

6WF, PERTH

Thursday

- 12.30 p.m.—Tune in.
12.35 p.m.—First local news bulletin.
Market reports.
1 p.m.—Time signal from Perth Observatory.
1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—Studio Quintette.
2 p.m.—Close down.
3.00 p.m.—Tune in.
3.25 p.m.—Musical programme, including pianoforte selections by Miss Evelyn Willis, A.R.C.M.
4 p.m.—Studio Trio.
4.30 p.m.—Close down.
7 p.m.—Tune in.
7.5 p.m.—Stories for tiny tots, by Auntie Kate.
8.20 p.m.—Uncle Duffy will talk to the kiddies.
8.35 p.m.—Stock and Share intelligence.
Market reports.
Cables. News supplied by courtesy of "The West Australian" Newspaper Co.
9 p.m.—Time signal from Perth Observatory.
9.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
9.2 p.m.—Orchestral Night.
Concert by 6WF's Station Orchestra, conducted by Mr. Donald E. Steye, A.T.C.L., and assisting artists.
9.4 p.m.—Travel talk by John Cowie, Esq., representing Cook's Tourist Agency, Fremantle.
10 p.m.—Second local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.
10.30 p.m.—Close down.

Friday, April 1

2FC, SYDNEY

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
7.8 a.m.—Studio music.
7.10 a.m.—Official weather forecast, rainfall, temperatures, astronomical phenomena, shipping intelligence, mail services.

- 7.25 a.m.—Investment market, mining share market, metal quotations.
7.55 a.m.—"Wood" talks, bondstock markets, insurance markets, brooms markets.
7.45 a.m.—"Spiny 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.—Studio music.
10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Late "Spiny Morning Herald" news service.
10.20 a.m.—Studio music.
10.45 a.m.—A serial story.
11 a.m.—"Big Ben," Australian Press Association and Rother's table service.
11.15 a.m.—A talk on home cooking and recipes by Miss Ruth Furst.
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 a.m.—Stock Exchange first call.
1.30 p.m.—Studio music.
12.50 p.m.—Rugby wireless news.
12.55 p.m.—Miss Anne Luciano soprano.
1 p.m.—"Big Ben," Weather intelligence.
1.15 p.m.—"Evening News" midday news service.

- Professors' Distributing Society's report.
1.20 p.m.—Studio music.
1.25 p.m.—Stock Exchange second call.
1.35 p.m.—Marching music for school children.
1.45 p.m.—Studio music.
1.45 p.m.—Miss Anne Luciano, soprano.
1.50 p.m.—Studio music.
1.55 p.m.—Close down.

AFTERNOON SESSION.

- 2.30 p.m.—Programme announcements.
2.35 p.m.—A pianoforte recital by pupils of the Conservatorium Lyceum.
3. "The Hebrides," overture (Mendelssohn).
Miss Bessie Rundell and Mr. S. Gordon Lavers.
3. "Puccini" (Debussy).
Miss Lesley Reynolds, L.A.B.
3. "Squiditas" (Albeniz).
Miss Ruth King.
4. "Mickey and Bando Carrioles" (Mendelssohn).
Miss Bechell, A.T.C.L.
8 p.m.—"Big Ben," A Reading.
3.10 p.m.—Pianoforte items by the pupils of Mr. S. Gordon Lavers.
5. "Dance in E. Major" (L.T.C.L.).
Miss Gladys Hewitt, D.T.C.L.
6. "The Fleets" (Raff).
Miss Mary Simpson.
7. "Beve Angeliue" (Rubinstein).
Miss Edith Toomey, A.L.C.M.
8. "Valse in G. Op. 34 No. 3" (Chopin).
Miss Lily Smed.
9. "Polichino" (Huchmannoff).
Miss Bessie Rundell, A.L.C.M.
3.30 p.m.—Marching music for school children.
3.40 p.m.—FROM FARMER'S TEA ROOMS:
Miss Ethel Muller, contralto:
"A Little Love Nest" (Lohr).
2.45 p.m.—Studio music.
3 p.m.—"Big Ben."
FROM FARMER'S TEA ROOMS:
Miss Ellen Marou, soprano:
"Ministry" (Clarke).
4.5 p.m.—A Music Talk by Mr. Ewart Chapple.
4.15 p.m.—Studio music.
4.20 p.m.—FROM FARMER'S TEA ROOMS:
Miss Ethel Muller, contralto:
"Arise, O Sun" (Day).
4.25 p.m.—Studio music.
4.40 p.m.—FROM FARMER'S TEA ROOMS:
Miss Ellen Marou, soprano:
"Hubble" (from "High Jinks").
4.45 p.m.—Stock Exchange, third call.
4.48 p.m.—Close down.

EARLY EVENING SESSION.

- 1.45 p.m.—The Union of I.P.C.
1.50 p.m.—The "Hello Man" talks to the children.

- 6.30 p.m.—Mr. Tal Odeell continues his series of stories to the young folk.
- 6.40 p.m.—FROM FARMER'S DINING HALL:
Instrumental and vocal items.
- 7 p.m.—"Big Ben." Last minute sporting information by the JFC Racing Commissioner.
- 7.10 p.m.—Dalgey's Market Reports (wool, wheat and stock).
- 7.15 p.m.—Fruit and vegetable markets.
- 7.20 p.m.—Weather and shipping intelligence.
- 7.25 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.40 p.m.—Programme announcements.
- 7.45 p.m.—A talk by Miss Theo Cowan, the well-known Sculptress:
Subject, "World Famous Pictures"
- 8 p.m.—"Big Ben"
FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:
Orchestral items.
- 8.12 p.m.—FROM THE STUDIO:
Mr. Alec Whitson, baritone:
"The Fisherman of England" (Phillips).
- 8.16 p.m.—Mr. Victor Gouret in Comic Opera Memories.
- 8.20 p.m.—FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:
Orchestral items.
- 8.24 p.m.—FROM THE ROYAL AGRICULTURAL SOCIETY'S GROUNDS, SYDNEY:
Description of the Barbecue organized by the Sydney Hospital and Boy Scouts' Association.
A Brass Band supplied by JFC will provide selections during the evening.
- 8.45 p.m.—FROM THE STUDIO:
Mr. Alec Whitson, baritone:
"The Teaman of England" (German).
"The Fiac" (Hachbort).
- 8.53 p.m.—Mr. Victor Gouret in Comic Opera Memories.
- 9 p.m.—"Big Ben." Music and descriptions from the R.A.S. Grounds.
- 9.10 p.m.—Miss Margaret Grimshaw, mezzo.
9.14 p.m.—The Honolulu Trio—Steel Guitar, Spanish Guitar and Ukulele:
(a) "My Hilo Girl" (Smith).
(b) "Hawaiian Smile" (Mary Ert).
- 9.25 p.m.—FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:
Orchestral numbers and vocal set.
- 9.25 p.m.—FROM THE R.A.S. GROUNDS:
Further descriptions of the Historic Pageant and Barbecue, interspersed with band items.
- 9.45 p.m.—FROM THE STUDIO:
Miss Margaret Grimshaw, mezzo.
9.52 p.m.—The Honolulu Trio—Steel Guitar, Spanish Guitar and Ukulele:
"Old Time Melody" Medley.
- 10 p.m.—Mr. Victor Gouret, in Comic Opera Memories.
- 10.8 p.m.—Miss Margaret Grimshaw, mezzo.
- 10.12 p.m.—FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:
Orchestral numbers.
- 10.17 p.m.—FROM THE R.A.S. GROUNDS, SYDNEY:
Descriptions of the Historic Pageant and Barbecue, with brass band items.
- 10.30 p.m.—FROM THE WENTWORTH CAFE, SYDNEY:
The New Wentworth Symphonic Dance Orchestra, conducted by Mr. Frederick Leighton.
- 10.45 p.m.—FROM THE STUDIO:
Celebrity records.
- 10.55 p.m.—Late news and announcements.
- 11 p.m.—"Big Ben." The New Wentworth Symphonic Dance Orchestra in popular numbers until midnight.
- 11.15 p.m.—"Big Ben."
National Anthem.
Close down.

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Saturday, April 2

2FC, SYDNEY

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
7.10 a.m.—Studio music.
7.15 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
7.25 a.m.—Investment market, mining share market, metal quotations.
7.35 a.m.—Wool sales, breadstuffs markets, inter-state 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.—Programme announcements.
9.35 a.m.—Studio music.
9.45 a.m.—Last minute sporting information by the 2FC Racing Commissioner.
10 a.m.—"Big Ben" and announcements.
10.15 a.m.—Late "Sydney Morning Herald" news service.
10.30 a.m.—Studio music.
10.45 a.m.—A serial story.
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 Gardening by Mr. G. J. Lockley ("Redgum").
11.30 a.m.—Close down.

MIDDAY AND AFTERNOON SESSION.

- 12.30 p.m.—Programme announcements.
1 p.m.—"Big Ben" Weather Intelligence.
1.15 p.m.—Stock Exchange information.
1.30 p.m.—Evening News' midday news service.

- 1.30 p.m.—Studio music.
NOTE: DIRECT FROM THE COURSE the Rosehill Racing Club's Meeting will be described in full.
During the intervals of racing events, musical items will be given from the Studio and the Wentworth Symbiotic Dance Orchestra, under the baton of Mr. Frederick Leighton, will play popular numbers.
4.30 p.m.—Complete resume of the afternoon's events.
6 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

- 5.45 p.m.—The Chimes of 2FC.
5.50 p.m.—The "Hello Man" talks to the children.
6.30 p.m.—Mr. Tal Ordell continues his series of stories for the young folk.
6.40 p.m.—Dinner music.
7 p.m.—"Big Ben." Complete sporting resume of the day's events.
7.20 p.m.—"Evening News" late news service.
7.35 p.m.—Weather intelligence, Studio music.

NIGHT SESSION.

- 7.40 p.m.—Programme announcements.
7.45 p.m.—THE ROYAL AGRICULTURAL SOCIETY'S GROUNDS, SYDNEY:
A description of the Corroborree which is being organized by the Spynie Hospital and Boy Scouts' Association.
Items by the Australian Light Horse Band, specially engaged from Goolihors, will play:
(a) March, "Action Front" (Barkenberg).
(b) Waltz, "Golden Grain" (Trussell).
8 p.m.—"Big Ben."
FROM THE MOSMAN TOWN HALL:
Heard on the air for the first time Collier's delightful Comic Opera, "LI-LO DOMINO" (by arrangement with J. C. Williamson Ltd.), produced by the Mosman Musical Society.

- 9 p.m.—"Big Ben."
FROM THE ROYAL AGRICULTURAL SOCIETY'S GROUNDS, SYDNEY:
Further descriptions of the Boy Scouts' Corroborree, interspersed with the following items played by the Australian Light Horse Band (Goolihors):
(a) March, "Dawn of Freedom" (Rimmer).
(b) Selection, "The Sunshine Girl" (Rubens).
9.20 p.m.—FROM THE STUDIO:
Miss Eileen Boyd, contralto.
9.24 p.m.—Mr. Jack Lumsdale, Songs at the Piano.

- 9.28 p.m.—FROM THE ROYAL AGRICULTURAL SOCIETY'S GROUNDS, SYDNEY:
Descriptions of the Corroborree and Hears by the Australian Light Horse Band:
(a) Fox Trot, "Sweet Child" (Whiting).
(b) Tombeau, Walsee, "Oxton Club" (Hindley).
(c) March, "B.B. and C.F." (Hume).

- 9.45 p.m.—FROM THE STUDIO:
Miss Eileen Boyd, contralto.
9.53 p.m.—FROM THE WENTWORTH CAPE, CHURCH HILL, SYDNEY:
The Wentworth Symbiotic Dance Orchestra, conducted by Mr. Frederick Leighton.

- 10 p.m.—"Big Ben."
FROM THE STUDIO:
Mr. Jack Lumsdale, entertainers.
10.8 p.m.—Celebrity records.

- 10.15 p.m.—Miss Eileen Boyd, contralto.
10.22 p.m.—FROM THE WENTWORTH CAPE, CHURCH HILL, SYDNEY:
The Wentworth Cafe Orchestra in popular numbers.

- 10.35 p.m.—Mr. Jack Lumsdale, entertainers, from the Studio.
10.45 p.m.—Celebrity records.

- 11 p.m.—"Big Ben." Late sporting news and announcements.

- 11.10 p.m.—The Wentworth Symbiotic Dance Orchestra in popular numbers until midnight.

- 12 midnight—"Big Ben."
National Anthem.
Close down.

All Readers' Queries Answered Here

D.S. (RED FERN)—Q: In your issues, W.E.M., of Rose Bay, wanted to know two stations calling about 2 a.m. and 2.30 a.m. on a wave length of 250 metres. The station, 3BC, is the "Brighton Radio Club," Higginbotham Hall, Brighton Library Buildings, Hay Street, Brighton Melbourne. Is other station he fancied was 3AF, was probably 3AF, who is A. F. W. Bent, 14 Cornubian Street, Geelong West, Victoria. Both stations would be pleased if he wrote and told them how they were working.

A: Thanks for the information. I greatly appreciate it, as will also the readers in question. Your's is a good spirit.

H.D. (MANLY)—Q: Would you be good enough to inform me through next Friday's edition of "Wireless Weekly" how I shall obtain the best results from a 5-valve Neutrodyne, which I have been using for the past three months? I am particularly anxious to know the exact tapings to take from the B battery, also the correct length of aerial. At present I am using a 75-ft. out-door aerial overall (Electron wire), and can get almost any local station, with a fair amount of volume, but cannot get the interstate stations. I am enclosing a rough diagram of the tapings, which I am using at present, and shall be pleased if you will advise me on this particular point. I am not in a position to take this set back, as the gentleman who made it has left this State.

A: You have too many tapings altogether. See "Radio," 6/1/27, wherein full particulars of the wonderful Neutrodyne are available. There are so many different fra-

tures to be considered that I can hardly advise you with any degree of authority. Still, "Radio" will be forwarded to you from this office on receipt of 5d. in stamps.

HOMBUSH—Q: Being interested in wireless in England I built a set on English lines but found that it did not suit Australian conditions. I got a copy of your journal given to me dated February 19th, 1926, giving a 2-valve set. This I built and got exceptionally good results from 2FC, etc., on the loud speaker, but only faintly on headphones the following: 3GH, 2EY, I cannot get 2ER or any inter-state stations, which I should do according to the reading of your article accompanying the plan. Would be glad if you would give me the code to use in connection with this. Would also be glad if you would give me a plan of a 5 or 6 valve set for long distance reception as I would like to increase my present 2-valve set, or perhaps you could inform me where I could obtain a plan? A: I am sorry I only received the first page of your letter. It was also unsigned. If contemplating building a five valve then go ahead. See "Radio," 5/1/27 for a splendid Neutrodyne or "Wireless Weekly," 22/10/26. Both papers will be forwarded you from this office on receipt of 5d. in stamps. You can't do better.

V. MAC (DEE-WHY)—Q: I have built the Harvance Reflex Receiver per "Wireless Weekly" and I can get 2FC, 3HL and 3GH at very good loud speaker, about 300-ft. from speaker, but I cannot receive 4QC, 3LO and 3CL, on good 4QC and 3LO about 150ft. from speaker, while 3CL is the weakest. Can you explain why this should be?

I would like to have an opinion of the different ("W.W.") readers on the subject, through the "Wireless Weekly." A: What old man! pull up!! You are doing well. Were I assured that everyone did as well as you are doing I would start to grow hair on my head. Now, just you shake yourself by the hand and be pleased. Still to explain you realize, of course, that 3LO and 4QC and 3CL are further away from Dee-Why than are 2FC and 3HL, so it naturally follows that these stations will be weakest. Again 2EY is only a low power station. Say I am living in Cowper Street, Waverley, I am afraid many "Wireless Weekly" readers would be anxious to call on you and give you their opinions verbally. You are doing well, old man; push out your chest. I am glad to hear of you. But tell me, are you in the real estate line trying to sell land at Dee-Why? No offence, of course!

F.D. (WAVRELEY)—Q: Re cage aerial on page 56, "Wireless Weekly," January 1926, I am living in Cowper Street, Waverley, I would like to know if you think it would improve my reception. I have a 3-valve regeneration set. I can get Sydney stations fairly well. Before Farmer's (2FC) wave-length was altered I could get 4QC, now I can only get Sydney. I have to use a wave trap to cut out 2BL (as I am only about one mile from their station), even then I hear them a little. My present aerial is a straggled eumale wire, 120 ft. inclusive of lead in, if advisable to build cage aerial, would you please give me an idea what length I should make it? I will listen-in Thursday if possible and also buy "W.W." for an answer if you could please oblige me with your advice.

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S-8

N.S. 33

A.: The many reports to hand prove that the set you described is a distinct advantage over the usual single wire aerial. Read the article over again carefully and all your little queries will be answered.

LICHTENBERG (ALEXANDRIA).—Q.: I have recently constructed the BROWNING DRAKE POOR VALVE RECEIVER as published in your journal a little while back. It has given wonderful results just to the intermediate stations, but I find the set very hard to neutralise. The other night when tuned in on 4QG BUNBURY, a very shrill whistle arose cutting out the reception completely. I thought it might have been that the transformers were too close together, but as they are 1/2 inch apart from one another and at right angles, I cannot see why it is due to the unneutralised RADIO VALVE STAGE. I am using PHILLIPS B 406 valves throughout in conjunction with an ALLENDALE KIT.

I ask you as a favor to let me know how I can balance this receiver, as it is a wonderful set and amazingly sensitive on all wave lengths.

A.: You don't tell me if this whistle comes about every night. See article on "To Tune or Not to Tune" in this issue; also "Radio" 2442.

R.N. (NORTH RYDE).—Q.: Having built the Regenerative Interlex described in "W.W." 2nd October, I can get good results on the 1st valve, but when I plug in the 2nd valve the volume decreases, and also the more B batteries I put in the amplifier the volume decreases all the more, and what can be heard on 2 valves is not so clear. Trusting you can help me out of my trouble.

A.: To me it seems that the primary winding of one of the audio transformers is broken down. Or again, check over the jack connections.

S.T. (MUGABAH).—Q.: I wish to ask you if you will be good enough to answer a question through the "Readers' Questions Column" to your valuable paper if which I am a constant reader? I have lately shifted down from the country (West Maitland) to here and am somewhat troubled with the reception of broadcast programmes. I can receive 2BL, 2BV, 2BY, 2GR, 2UE, etc. all on 2 valves very clearly, but am troubled on inter-State stations. In West Maitland, employing a single aerial 80 ft. long, pole to pole lead-in 40 ft., and earth about 6 ft., I could receive 2LO and 2QO louder than any other station and more clearly than any other using a 2-valve set (Armstrong 2 coil circuit—standard circuit I believe it is). Down here I cannot hear 2LA, 2QE, 2AK, or any inter-State station, can just get their carrier wave and that's all.

A.: As I have explained over and over again the great trouble with city conditions is shock excitation from the big-powered local broadcasting stations. Your present receiver taken back to the country would again surprise you with results, but the city conditions are against you. Mind you I am not suggesting that it can't be done. The other night on a similar set at Murrumbidgee I filled the room with inter-State music. But it takes some handling. Increase the height of the aerial and also add about 20 volts extra to the B battery and watch the tuning. I am sorry.

H.E.W. (ADUBURN).—Q.: Being interested in your book, the "Wireless Weekly," and eagerly looking forward for any new set, at a low cost, the "Interlex Two" as mentioned in January 14 number, seems to me to be worth building, but before doing so I should like to know whether any further tests have been made with this machine, as reading the article carefully through, mention is made of a further test that would be made and the results published in the next or following week's issue. So far nothing has appeared. What I would like to know is whether it is possible to pick up 2LO, 2CL, 4QG. The article makes mention of 4GG being received very well, but at the hour was late so further test was carried out. If the set is worth building can all the parts be obtained in Sydney? I have not had any experience with valve sets, being con-

tested with the Ives Complex Crystal set, but I intend to have a go at this one if you are the same state station can be heard. I also enclose postage for a copy of "Wireless Weekly" of November 10, 1926. I understand there is an article on the building of Batteries which is an odd lot of great interest.

A.: The "Batteries" now in further test proved to be a very good all-round receiver. Inter-State stations were heard but not too loudly. Selective it proved to be as has been mentioned in many letters from our readers. Provided you adhere strictly to the particular plan given in the article for constructing this set, you should be phased with the results. But I can't guarantee any results at any time, as I am unable to give you a definite answer.

A.W.D. (ASHFLEIGH).—Q.: In connection with the "Marvel Reformer" set described in "W.W." 4/2/27; (1) is it possible to construct this receiver without the two Dubilier Mainbridge 1 m.f.d. condensers without greatly affecting reception?

(2) I use a Philips A109 valve. Can I use one 1.5 "A" battery for the "C" battery, or would a 4.5 "C" battery be necessary?

A.: The 1 m.f.d. condenser across the H battery can be dispensed with. The 2 m.f.d. H batteries are good and don't tend to crackle, but I am afraid the second 1 m.f.d. is too useful to miss out. Now the C battery depends on the B battery value. Have you still the slip enclosed in your letter? It gives full particulars or write Philips Glow Lamp Works, Margaret Street, Sydney, mentioning this paper and asking the information.

NEW BAKER (GOSFORD).—Q.: I would be greatly obliged if you would reply to my questions in this week's "Wireless Weekly."

(1) Is pure tin a better metal to use on bus-bar than ordinary solder? If so, would Fluxite be a good flux? (2) In reference to that home-made loud speaker (see type 10) in "Wireless Weekly" 12/11/26, do you mean a proper loud speaker unit, or an earphone from a Bakwin bedsidephone as stocked by Anthony Heurich? If you mean a loud speaker unit, would you advise me what I could procure same? I would be greatly obliged.

A.: Ordinary solder is quite alright. Why don't you get a stick of Wunderflux? Believe me, it's good. The Bakwin Unit is a special loud speaker unit, and I saw one the other day in Colville Moore's in Rowe Street.

G.E.L. (MAROUBRA JUNCTION).—Q.: I constructed the "Heinaria" set as described in "W.W." 16/10/26 and found same successful both in selectivity and volume. On two occasions I have been able to pull in 31A which, considering my nearness to 2BL is good. Now, sir, can you explain the following problem? I have just been to Katoomba and Bathurst for a holiday, and have friends at both places who are interested in wireless, but have not got sets yet. In view of this, I took my set in the car with me, and to my surprise I could get nothing at Katoomba, and only the local station at Bathurst (Mookin). Now that I am home again the set is working well, so that nothing was wrong in that direction.

I would esteem it a favor if you can throw some light on this problem.

A.: I am afraid many another person has come to grief under similar circumstances. Generally on such excursions the aerial is only an improvised affair and the earth worse still, so that often too much is asked under the conditions. Again I know that both places mentioned are sometimes difficult to receive in on account of the mountains intervening. Still you should have got 4QO and 11.0. Still I am afraid I can only sympathize with you.

E.J. (QUEENSLAND).—Q.: There is a four and a two valve set in our home and we would like to make them into a six valve set, so could you please give me a diagram showing how to join them, also what coils to use, and what stations we would be likely to get?

The valves on the four valve are six volt and on the two four volt. Both the sets are the "Dialophone" circuit.

A.: I am afraid I can't. Send me a list of the parts and then I'll tell you more.

But I strongly advise you to build a Neurodyne. See "W.W." 2/10/26 or "Radio" 5/1/27.

T.E.S. (WARRIADA).—Q.: I do not wish to weary you, but I am in very great trouble, indeed. The facts are:

I have just secured a set of parts for a five valve Neurodyne receiving set and have had a lot of very tedious trouble with the dealer (through letters) to supply me with a suitable wiring diagram to suit the parts he supplied. He does not seem to be able to do this, or I may be too dense to grasp what he means. However, I decided to come to you with my troubles, seeing that you answer so promptly for "W.W." in such a clear fashion. I have anxiously watched for a five valve Neurodyne to be published in "W.W." for the past few months, and I have been taking that paper, but I have not seen one. If you can spare me a little of your valuable time, would you please fit me up with a sketch in which I can use the parts I have just bought?

A.: I am indeed sorry to hear of your trouble. Still "Radio" of 5/1/27 (our companion paper) has given full details of how to build a Neurodyne using similar parts to yours. But don't expect any results with three dry cells on a five valve set. Use 100 valves by all means, and when the dry cell A battery runs down, switch with Amplex or Carbonite to save a strike any further difficulty will me again. I'll gladly help you.

C.K.R. (MEREWETHER).—Q.: I am thinking of replacing my 2.45 volt "B" batteries with either an accumulator battery or Philips eliminator. Which do you advise? Are the results obtained when using an eliminator equal to those with the wet "B" battery, and is the eliminator entirely free from "A.C. hum" or other noises?

A.: I can't advise you on this matter. Both are good. A good eliminator should be free from A.C. hum. I've tried several eliminators and find them to be O.K.

E.R. (NEWCASTLE).—Q.: I have struck trouble with my set ever since Farmer's changed their wavelength. It is a 4 valve 2 cell set of the Newcotton Type, and works with 6 controls. Aerial tuning, Audio tuning, Stabiliser, Det. H.F. Audio, reading in that order from left to right. I cannot describe it any further as I am only a novice and a very poor one at that. I get very good results during the day both from Farmer's and 2BL, but at night time I cannot get either very clear; the voice and music seems very muzzy or foggy. Could you give me any information about this set or tell me how to get out of my difficulty?

A.: I am sorry to hear of your trouble, but I must confess that I can't help you. It seems that many people in your locality suffer in a similar manner with poor reception at night time. Perhaps it is a summer condition which will disappear in a few weeks. Keep a log for a month, noting the bad nights and subsequent rain, or a copy. Point out just when one station is more clearly received than the other, and just what items are better, and so on. Let me hear from you later on.

H.S.V. (STANTHORPE, Q.).—Q.: I have built the Neurodyne described in an October (1926) issue of "W.W." Concerning this I would like to know quantities or prices of the parts.

The set is giving most excellent results. In fact taking a Brown H3 speaker I can obtain as much volume as it will hold on one stage of Audio. The Southern stations rear in and clear in detail in the daytime. The tone is all that can be desired, it being difficult to conceive a sweeter set from a musical point of view.

I have used an Airsons kit, Pilot Condensers, and vernier dials. My trouble is as follows:

2BL is located on a dial setting of 84 and 2FC on 97, 11.0, 4QO, 3CL, all come in without any interfering with the other. However, 2BL is in a dim light, the condensers, plate all wrong at a dial reading of 109, Would 4QO

condensers overcome this? If used, would they tend to cramp the stations more than at present? (3) The dials are difficult to match. At 87 they are matched for 2FC, whilst 2BL is located on 78-84-81. What might be the cause of this and how would I remedy it? Perhaps it would be better to leave them at that. The wiring was followed out with meticulous care.

A.: I would advise you to leave things as they are unless you wish to receive 3AR and 72L. In that case install 3000 m.f.d. condensers on the Straube Line Frequency variety. The Modified Pilot No. 5123 S.E.F. condenser is very good and doesn't take up too much space—i.e., therefore, to be recommended for the change over. The stations would not be cramped much more than they are at the minute.

V.P. (LAVENDER DAY).—Q.: Three weeks ago I wrote to you asking whether a certain circuit would suit for a one valve set, as I am very pleased to see the Marvel in this week's issue.

(Q.) May I ask why a midge condenser cannot be placed in parallel with C1 or C2 so that C1 and C2 may tune in at the same degree on the dial which should allow a double condenser with single control? The midge to remain set like N.C.

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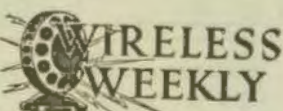
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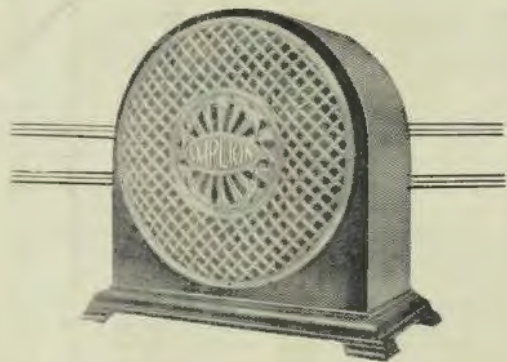
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