

# WIRELESS WEEKLY

Broadcast Programmes a Week in advance

VOLUME 9

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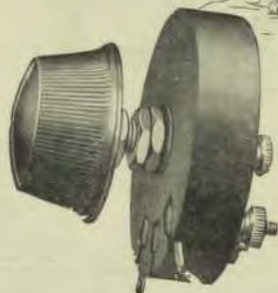
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# WIRELESS WEEKLY

VOL. 9, No. 15.

FRIDAY, FEB. 25, 1927.

## The Radio Exhibition

WHEN some day in the far future a duly qualified writer pens a History of Radio in Australia, he will, we think, have little difficulty in deciding that the 1927 Radio Exhibition marked the turning point in the progress of radio in N.S.W.

"Hitherto," we can imagine him saying, "radio had risen to popularity because of its novelty, and fallen when it ceased to attract on that account. The prevalent idea had been that the wireless industry would succeed by catering for those who insisted on building their own sets, and who, despite their complete failure to contribute to the sum of radio knowledge, persisted in looking on themselves as experimenters.

"But, thenceforward," the Historian will proceed, "the aspect of affairs began to change noticeably. The 1927 Exhibition was the first outward sign that this species of eccentric was in the minority, for the exhibitors, catering for public demand, showed receivers designed for those wishing for an entertainment service, rather than a novel plaything. This gradual trend was increased when the Royal Commission made its recommendation shortly afterwards, and culminated in a mild boom during the historic broad-casting of the Duke of York and Melba at the opening of Canberra."

The new business-like exhibits this year lead us to make this prophesy. The old receiver of much wire and many controls has disappeared and in its place there is a neat workmanlike set turned out at the factory under the supervision of specialists. The old

amateurist touch has given place to the professional grip.

It would seem to us also, that this change has gone further than appearance; it is the circuit itself. The old straight circuit seems to have gained a little of the super circuits famous qualities of selectivity and volume, while the super-circuit has achieved simplicity and tone, attributes once exclusive to the simple circuit. Much more may be said about the Exhibition generally, and many exhibits in particular, and will be said in "Wireless Weekly's" complete review of the Exhibition next week.

We think that the Wireless Industry of New South Wales is to be heartily congratulated upon the wholly admirable and representative Exhibition which it has so successfully organised at the Sydney Town Hall. The public response, we feel sure, will be worthy of the Exhibition, and when it is all over, there will be a general opinion, upon very excellent foundations, that both those who had purchased stands and those who paid to come in and see them had alike obtained excellent value for their money.

This, of course, is precisely as it should be. No matter how the accounts of the enterprise may be subsequently found to balance, the fact remains that an exhibition of this sort must "cut both ways"—it must be of benefit to all concerned, offering an exceptional opportunity to the public to review wireless progress as a whole, as well as a chance for the industry to bring forward its new ideas.

## Between You And Me And The Microphone

Conducted by Jack Plugge



**NEXT TO BRITAIN**, Germany has the largest number of license holders in the world, the former having over two million licenses and the latter 1,258,199.

**MISS F. V. WALLACE**, Australia's only woman radio experimenter, and the only lady in N.S.W. to obtain a Diploma of Engineering, has joined the staff of Messrs. David Jones' radio department.

**AN OFFICIAL** return lately to hand shows that the exports of American wireless apparatus to Australia last year attained a value of £135,096, as compared with £210,540 in 1924, and £42,042 in 1923.

**IN AMERICA**, people think that men are more suitable for radio announcers than women; that is, according to 99 per cent. of the listeners who were recently asked for their opinion.

**"WE HAVE HAD** a 3LO Bride, Kiddies Competition, a 3LO Girl—now what about the greatest of all, a 3LO Mother," writes a correspondent to 3LO. "I would suggest two sections—one for mothers over 60 and unshingled, and one for mothers who take their daughters as chaperones."

**THE CUSTOM** in Great Britain of allowing the blind to listen to broadcast programmes without payment of a licence fee has been taken a step further in Danzig, where the fee is remitted, and the G.P.O. has organised a fund to provide sets for the blind.

**THERE ARE NOW** 543 radio transmitters in Canada. Of this number 67 are broadcasting stations, another 67 hold communication with points abroad or in the Dominion, and 356 are operated by amateurs or experimenters. The remaining stations are used for communication with ships, and to provide an "aid to navigation" service.

**LOVING WIFE!** "I know you'd like something for your wireless for your birthday, John. What do you say if I buy you a new earth?"

**RADIO SHRINKS THE EARTH!** (Headline, Provincial Paper). The country amateur who had to walk six miles to get his battery charged said this was a fallacy.

**A BULLOCK DRIVER** is reported to have a vocabulary of only about 300 words. It has been suggested that he should take up golf, or perhaps install a wireless set.

**RADIO SETS** are to be installed on a number of trains in Germany. This is a step forward in the history of radio.

**IN BERLIN RECENTLY** nearly two hundred listeners were fined for operating wireless sets without licences. If the listener could not pay he was sent to gaol for fourteen days.

**Small Boy** (listening-in): Father, I've got Hong-kong!"

Father: "Oh, I expect it's only a motor-car in the street outside."

**IN HOLLAND** any telephone subscriber may listen to broadcasting without possessing a receiving set for the sum of 30/- a year. The Paris, Daventry or Hilversum programmes are picked up centrally, and then transmitted to all telephone users who subscribe to the service. If the phone is needed in the middle of a programme, the broadcasting is automatically cut off.

**THE GOVERNMENT** of Mysore State (India) is considering a scheme for educating the rural population by the installation at different places of broadcasting stations, and the distribution of receiving sets to the public for the purpose of listening to popular lectures.

**WHEN TELLING** the bedtime stories, Uncle George has informed the children that he is prepared to name anything—pet lambs, cats, dogs, ponies or goats but he was rather surprised a few days ago when he was asked to name a baby. It transpired that an argument had broken out as to the baby's name. Grandfather wanted it "Benjamin," and Uncle George decided that Benjamin was a beautiful name. He pronounced it with gusto over the air several times by way of allowing listeners to hear what a nice name he had chosen. The baby's parents were delighted and expressed their pleasure by christening the infant Allan. Uncle George is now waiting for the next baby that is looking for a name.



*Truth is crueler than caricature according to the wise men, but even at the risk of being deemed unwise we refuse to believe that this is true in the case of the above drawing, sent to 2F by an admirer of Mr. P. C. Cochaine.*

**RADIO COMEDY** will never be really popular until somebody invents a method of broadcasting a custard pie.

**IT HAS BEEN SAID** that broadcasting has a tendency to kill new songs before they are really born. Another factor in favour of broadcasting.

There's the right Burgess for every set.



*Randwick, as seen by the 2FC Racing Commissioner, when describing a race.*

ONE morning recently I was listening to the morse message coming through from Rugby. I heard it quite solemnly notified that the BBC was, on the following day, to bring in a great innovation in broadcasting—the description of a Rugby football match between England and Wales at Twickenham.

I smiled to myself and wondered if I had heard rightly—"describing a football match an innovation in broadcasting." This led me to look back on what a great part sporting events have taken in wireless in Australia and how far advanced utility broadcasting is out here, compared with other parts of the world. I am not writing at random on that matter, for I have taken a direct interest in radio transmissions in no less than twenty-eight different countries, and I believe that not one of them caters so fully for descriptive sporting as Australia. Racing (both horses and ponies), football in four codes, polo, tennis, cricket, swimming, motor racing, sailing and rowing, are covered in the programmes as the particular sport is in season.

The "Sport of Kings" naturally takes pride of place, as it knows no "out of season." On sixty-two racing days in the year listeners to 2FC can hear the full programme of races described from such courses as Randwick, Rosehill, Moorefield, and Can-

terbury Park. They are told of every detail in the racing as it takes place on the course. On other days, both the results from the horse and pony courses are broadcast as each event is finished. In this way some three hundred meetings are dealt with in the year by that station.

Then comes international and interstate cricket. A special staff is detailed to describe every ball bowled

in Test and Sheffield Shield matches, while a running commentary on the sidelights of the game is the order of the day from 11.30 a.m. until 6 p.m.

Football is popular on the air—so popular that not less than four codes are described while the play is in progress. Rugby Union, Rugby League, Soccer and Australian Rules present no difficulties in describing for the 2FC sporting staff, and the thrilling accounts of the interstate matches are a feature of broadcasting. Nearly two years have elapsed since 2FC first described an All Black versus N.S.W. match. On that occasion some of the New Zealand papers issued special editions with a full description of the match as received from the air. The "innovation" from 2LO London is, therefore, two years behind what is now a regular feature from 2FC.

Tennis, polo, motor racing, swimming, sailing and rowing are all described as the events are in progress, each by an expert who conveys to the listener such a word picture, that it is a small matter to visualise the actual scene taking place in the view of the announcer. The sporting side of broadcasting from 2FC has become such a feature that it needs a special staff of announcers and operators to cope with the continual daily descriptions from courses, and playing fields. There is nothing hap-



*Mr. M. A. Ferry, 2FC Racing Commissioner.*



Hubert Opperman, the all round champion racing cyclist of Australia, broadcasting from 3LO during training hours.

hazard, all the clubs and bodies controlling the various sports having to be regularly approached for permission to take their events, and programmes arranged long in advance.

It is not difficult to understand that great demands are made upon the office staff in the way of correspondence and telephone calls, in coping with sporting enquiries. Letters and telegrams reach 2FC from all over Australia in commendation of its progress in utility broadcasting. The following sample of a telegram from the other side of Coonabarabran is typical: "One hundred and six in the shade here sitting in front verandah listening to cricket descriptions, think am an Sydney Cricket Ground, many thanks." Here's another from Coonamble: "Shearing prevented me getting Randwick, but am missing nothing, your descriptions wonderful." Just an extract from one letter written by a Sydney man. "My wife who was once a very keen follower of cricket has asked me to thank you for your wonderful description from the Cricket Ground. She is blind now and cannot go to matches with me. But her great consolation is to tune to 2FC and hear all the details of the game." Anything from eighty to one hundred hours a month are devoted to sporting by station 2FC who recognise that sporting events go to make up a very important part of the utility side of broadcasting.

3LO, Melbourne, has a large following of sporting enthusiasts and has given special attention to amateur athletics.

Ever since their inauguration by the Greeks it has been the ambition of all amateur athletes to represent their country at the world famous Olympic games, where the champions of the respective countries put their skill one against the other, to earn

the right to be called "The Champion." Nowadays these champions give added publicity to their country, and in most cases these games are of more value in this direction than years of political propaganda could ever accomplish. To a young country such as Australia, this publicity is invaluable, and one has only to mention the case of "Boy" Charlton's efforts at the last Olympic Games to know how the world in general realised that Australia, after all, was worthy of a place in the front line of nations.

Naturally, there is keen competition for the honor of representing the country at these games and although the next meeting at Amsterdam does not take place until next year, many athletes have started training in earnest, hoping they may have the honor to represent Australia in the dual role of athletic representative and "publicity ambassador." At various athletic meetings to be held throughout this year, many of these respective representatives will be participating and competition will be keen. Since 3LO, Melbourne, has announced their offer to donate silver cups to the value of £5/5/, competition will be keener and the offer has created great interest in sporting circles. These cups will be given to athletes registered with the Victorian Amateur Athletic Association, who, at any time or any place during 1927, break an Australian record, which in due course is officially recognised as such.



Billy Grime, Feather, Light, and Welter weight Champion of Australia, broadcasting from 3LO. Behind him is Frank Brown, the well-known sporting writer.



## Stunt Broadcasts are Big Feature of 4QG

**Lack of variety in Brisbane entertainment causes 4QG officials to rely on their inventive powers for novel programmes. That is why some of our best stunt broadcasts have come from 4QG**

**T**HERE is no type of transmission which seems to appeal more to listeners generally than the form of broadcasting known to most radio stations as "stunts." A "stunt" broadcast consists of the transmission by radio of something novel, and perhaps, the fact that "stunt" transmissions themselves are novel, is the real reason for their popularity.

During the past two or three months, 4QG has devised and effected a series of "stunts" most of which have been attended by satisfactory results. In other parts of Australia other stations have also included stunt transmission in their programmes, but, in Brisbane, where there is not so great a variety of entertainment from which broadcast programmes may be drawn, the officials of 4QG have been compelled to rely a good deal upon their inventive powers for the provision of novel and attractive items from the 4QG.

On several occasions descriptions of band route marches through the streets of Brisbane have been broadcast. A microphone has been mounted at some particular post and an announcer stationed at it. As the marches have progressed, the announcer has described them and the music of bands has been heard, faintly at first then louder as the bands have approached, and then faintly, as the bands have died away.

Some little time ago, a full description of Queen-street, Brisbane, was given by night time, and the incidental street noises were broadcast. This was not much of a novelty for the city and suburban listeners, but was greatly appreciated by the country listeners.

One of the most successful of all "stunts" effected by 4QG has been the superimposing of speech and music from different points on the station's carrier wave at the same time. The idea for this is not claimed by 4QG, but the high state of perfection which has been reached in connection with it is certainly due in a great measure to the careful research work by the station's engineers. On numerous occasions the Hotel Carlton orchestra has played an accompaniment in the lounge of the Carlton, and vocalists have sung in the studio at 4QG. The



*The Sandman, of bedtime story fame at 4QG, powering the birthday letters written to him by the little bird.*

two sets of music have been superimposed, and it has been impossible for listeners to detect that singer and orchestra were at widely separated points.

The Radio Myster Hunt, which was recently conducted by the station, was one of the most novel transmissions yet effected in the Commonwealth, and was surprisingly successful. The whole of the details in connection with it were carefully invented and planned out at 4QG for some weeks before the actual stunt was "put on the air."

The station recently sent a party down Moreton Bay in the Government steamer "Champion" and an announcer made a descent in forty feet of water. The words spoken by him at the bottom of the Bay were broadcast. As a "stunt" the undertaking was quite successful, but the voice of the speaker was not very clear, owing to the long length of submarine cable over which the speech was conveyed. The transmission gave the listening public, however, some idea of the possibilities of radio.

Most people read newspapers, books and magazines every day of their lives, yet comparatively few know just how they are printed. Recently 4QG installed portable apparatus in the factory of the Road Press, in Brisbane, and gave a full description of the printing of a magazine. All the noises made by the machines were

faithfully reproduced.

Electric light and power now play an important part in man's life. Without power supplies there would be no broadcasting. Every listener is, therefore, interested in power, and 4QG gave a description some little time ago of the works of the Brisbane City Electric Light Company. This description was broadcast direct from the new power house at Doughboy Creek.

On several occasions lately the arrival and departure of steamers has been relayed. The Commonwealth liner Moreton Bay—a vessel whose name made broadcasting from her decks specially suitable for transmission by a Queensland station—was described, microphones even being taken down into her engine room and stokehold.

During the next few weeks some very novel "stunt" transmissions will be effected by 4QG. One of these is worthy of special notice. It will necessitate some very careful work on the part of the engineers, and the scheme underlying it is quite novel, not having been attempted in the Commonwealth before. Station 4QG will give no details of this scheme, and does not even propose to include details of it in the published programmes. The "stunt" is to be kept secret until the night in question, and should, therefore, give listeners a very pleasant surprise.

# 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.



## NO MORE GOOD MUSIC

Dear Sir,—As radio becomes a really ubiquitous hobby, to give it a humble title, which it has indeed already outlived, inquiry is being more and more intensified into its likely effects on education and culture. Although the most diversified opinions have been expressed, to those who preface their statements with a little thought there is one outstanding trend of development which, if continued, will eventually have a most deleterious effect on our moral and educational standards.

At first almost imperceptible, the decline of good music has been accelerated during the last month until at the time of writing I can only find one item of really high-class music in the programmes for the week. By high-class music I mean the works of the world's greatest composers, and not the better-class ballad writers.

This dearth of good music is more serious than is at first realised, for the studio directors attribute it to the demands of the public. Most of the music at present broadcast is not of the type wanted by the public—it is the type demanded by those who write to the studio directors, and these people are not representative of the average citizen.

If the B.B.C. compiled its programmes according to the indiscriminate writings of a critically minded section of its listeners, under the misapprehension that these correspondents represented the average man, it would surely seem to them, from a glance at their own ZLO programme, that the average Londoner had been educated in the higher musical circles of Vienna, Rome, and Paris.

Our trouble is that our programme directors take their letters too literally, failing to recognise that the average correspondent does not know enough about music to know what he wants. There is a great body of people who are reticent when it comes to expressing their modest views on the programmes which, they realise, please others if they do not please themselves. These good people have no one else but themselves to blame for the cheapening of the programmes. Since blatant voicing of their own

interests is the only way in which to attract the studio director's attention, I appeal to them now, if they wish for better class music, to come forward and say so with me.

Yours, etc.

PAUL JENNINGS.

Rockdale.

## ARE YOU MUSICAL?

Dear Sir,—Realising that it is an impossibility to please everyone at the same time I would suggest that listeners be divided into three sections, the unmusical, the musical, and the super-musically educated, and programmes be arranged accordingly.

By the unmusical I mean those who can listen without squirming to the "Prisoner's Song" as sung by a "Jarrowstone" or sentimentally descriptive tosh as put on the air by 2BL recently, in the pathetic ballads, "Give Me a Ticket to Heaven" and "Just Someone." God help this section—they were born musically colour blind. The musical section, I would say, are those who appreciate the better class of music, but do not thoroughly understand the classics. The third class consists of those who do understand the classics. I would put down the percentage as follows:—Unmusical, 20 per cent.; musically educated, 60 per cent.; super musically educated, 20 per cent.

Why spoil a night's entertainment for the unmusical by making him listen to a classic, or the music lover by a comic song; why not split the weeks up, say, three nights for the unmusical and four nights for the musical?

Yours, etc.

B.D.W.

Neutral Bay.

## DIDN'T PLAYFARE.

Dear Sir,—I think it is most unfair of Playfare (W.W. 11/2/27) to criticise. It is one thing to listen-in and another to direct programmes, and if Playfare did not like to listen-in to the 2BL Motor Hunt, well, there are other stations he can tune in.

Yours, etc.

H.W.

Wollongong.

## DAYLIGHT RECEPTION IMPOSSIBLE.

Dear Sir,—Replying to Mr. Suttor's letter (W.W. 4/2/27), regarding short wave reception and static. Experiments in this district have proved that daylight reception of 2FC on short waves is now practically impossible, in comparison with their previous long wave transmissions. Night reception, however, has improved 100 per cent. I would also like to substantiate A.W.P.'s remarks on 3LO. This station is unequalled in Australia. Ask any country listener which station he prefers, and it is certain that he will say 3LO. Our local stations might gain much by listening to 3LO for a few nights.

Yours, etc.

BLOOPER.

Ulmara.

## POOR NIGHT RECEPTION.

Dear Sir,—Here in Maitland we receive 2BL and 2FC excellently in the daytime, that is, from 10 o'clock in the morning till 7 o'clock in the night. But from 7 to 11 in the night they both blur and choke all the time, and you cannot get one clear item out of the whole night's programme. I have been to several listeners in different parts of the town, and they all experience the same trouble.

This is a coal mining district, and 70 per cent. of wireless receivers are owned by mine employees. A mine employee leaves home to go to his work between 5 a.m. and 7 a.m., and returns between 3 and 4 in the evening, because of this trouble he receives about one hour of decent programme during the week—4 to 5 o'clock from our local broadcasting stations, and Saturday evening and all day Sunday.

Only since 2BL increased its power to 5000 watts and 2FC lowered its wavelength to 442 metres that their night programmes have blurred.

Yours, etc.

"FED-UP."

Maitland.

I HAVE always loved music, and I have always lived with music, and, to me, it has seemed a necessity in life's routine, just as necessary as daily food. I can just remember my father and his violin; and I am told, by those who knew, that his playing was musically, with that rare and exquisite heart quality, that could never fail to move an audience.

In this connection, my mother used to tell a story of the good, old Australian days, when my father was just a youth; and how he once played to a remarkable audience. He was going across country, carrying his instrument, when he was captured by the Kelly Gang, the brothers notorious in their day as bushrangers. He was taken to their camp, and ordered to play. There, he so pleased his hearers that they quite forgot the passage of time, and their respective roles of captors and captive. When the moon rose high in the heavens he went on his way again, parting from his strange audience of rough outlaws with many expressions of goodwill. Truly may it be said, "music hath power to soothe the savage breast."

From an early age, I loved the music of the great masters, and I was always trying to play just that which seemed quite beyond me. When I commenced to study pianoforte at the age of seven, I flatly refused to learn the "Blue Bells of Scotland," saying that I should much prefer to learn Schubert's "Erl King," an arrangement of which I had heard played.

It seemed natural that when the time came for me to go out into the world, I should gravitate to a music publishing house, and so it happened. So with work, as with recreation, music became my most serious pursuit. In 1924, after appearing as pianiste for the last Zacharewitsch recitals, in Sydney, an opportunity presented for a tour of the U.S.A., and I accordingly sailed for San Francisco in December of that year. After a stay of a few weeks in both Honolulu and California, I proceeded to New York City, where, save for a few trips to other parts of New York State, I remained for a period of fifteen months.

Among the artists I have appeared



Madame  
Evelyn  
Greig.

## Impressions At Home and Abroad

By Madame EVELYN GREIG

Exponent of Better Class Music at 2FC)

with are Zacharewitsch, the eminent violinist, Mdle. Dolma, a charming young singer who will, one day, astonish the world in opera, Mme. Borucha-Behrman, a Polish soprano, late of the Chicago Opera Co., Godfrey Ludlow, Australian violinist (before the microphone), and Mme. Irma Caron, French-Australian, and the daughter of that fine musician so well known here, the late Leon Caron.

My experience and reminiscences of New York, musical and otherwise, would, no doubt, fill a large-sized volume; for I have seen, have heard, and have met some very interesting people, artists, composers, and musicians. My experience included coaching singers at the Metropolitan Opera House on Broadway, lecturing and playing for the Board of Education in the New York schools, and I played a great deal of broadcasting mostly for stations WOR, WJZ, and

and probably still are, the two leading stations. The studio of WEAJ of the sumptuous building of The General Electric and Telephone Company, is most luxuriously fitted, and well managed. Everything possible seems to be provided for the comfort and convenience of artist or performer, or of the staff; and everything also, as far as I could judge, that would make for perfection of transmission; for instance, the studio grand piano is one of the best instruments obtainable (which is very comforting to the pianist). "Mike" seems to be the same sensitive little entity there as here. I must tell you that my Dulcitone proved quite a novelty, both in concert work and on the air, and I gave some dulcitone and violin recitals with Godfrey Ludlow. When Mr. Ludlow plays the violin for WJZ (where he is a permanent and very popular artist) he literally seems to hug the little thing (not "Dulcie," I mean "Mike"), and certainly his Stradivarius comes over the ether with a most gorgeous and rich tone.

The programme supplied by the two principal stations comprise some of the finest artists and music in the world. Particularly excellent is the Attwater Kent Hour on Sunday evenings, when this great radio firm would engage, among other artists, the pianist, Josef Hoffmann, among violinists Szigeti, and Zimbalist, and singers such as our own Florence Austral, John MacCormack, Lucrezia Bori, Frieda Hempel, Anna Case, Marion Talley, and that grand old artist Mme. Schumann Heink, to give their best to the great invisible audience. For the audience is a large one indeed. In most American homes, of both rich and poor, a set seems to be installed.

In conclusion, I would say that in common with so many who have left home for a time, I returned with the realization that although there is much that we may learn from the older countries, Australia is a wonderful place, and I do hope that the day will come soon when Australians will awake to the possibilities, and the great and wonderful opportunities that await us in this sunny land of ours.

# Victoria Has Half Licences in Australia

**V**ICTORIA has more radio listeners in than all other States of the Commonwealth combined. There are 191,542 registered listeners in, and of these 101,435 are Victorians. These figures are contained in the monthly wireless report issued by the Postal Director (Mr. Brown). The report shows that Victoria has twice as many listeners as New South Wales, and that during January alone on three times as many new licenses were issued in Victoria than in N.S.W.

Total licenses in force in the various States are:—Victoria, 101,435 (6.9 per cent. of population); New South Wales, 50,301 (2.2 per cent.); Queensland, 20,082 (2.3 per cent.); South Australia, 15,469 (2.7 per cent.); West Australia, 4,047 (1 per cent.); and Tasmania 2,005 (3 per cent.). For the whole Commonwealth, 5.2 licenses are in existence for every 100 of the population.

Reckoning that there are five listeners to each license, BLO Melbourne is faced with the problem of pleasing half a million people with half a million different tastes. The work of adjustment must be done in the light, not of a sudden flash of revelation, but by gradual experiment, or rather a never-ending series of experiments. Each new idea, radiated into the ether, awakens answering flashes of appreciation here and there as it meets with people to whom it makes appeal. On the other hand, each of such experiments provokes to annoyance those thoughtless folk who think that for their license fee of 1d. a day the entire programme should be addressed to their listening souls.

One melancholy discovery BLO has made—that is the number of people who resent any attempt being made to educate them. In future all talks, or all except a very exceptional few, will be before eight o'clock. The enthusiasts who are really interested in "finding how the wheels go round" in this branch of knowledge or that, will get through the washing up early. Certain changes of policy have been tried of late which should give widespread satisfaction.

A programme of 500 items a week makes a heavy demand on the available talent of the city. On the other hand, broadcasting is an excellent means whereby young struggling artists of ability may make themselves known. To listeners of artistic discernment, the task of making their own discoveries is full of interest. To most people, however, the enjoyment of an item is enhanced by its being the work of a person with a well-known name. They know then how much they ought to enjoy it. And, of course, there is an evenness

**Latest licence figures show an amazing increase in the number of broadcast listeners in Victoria. There are twice as many licences in that State as there are in N.S.W.**

about the work of a tried professional that the inexperienced performer, however brilliant, cannot achieve.

BLO, therefore, has adopted the policy of engaging well-known artists from the Tivoli and other theatres. Such performers have been very shy of broadcasting since its inception, and require the inducements of high fees and contracts. The theatrical fear of the wireless is beginning to decline, as it is becoming realised that if the people like an artist's performance when they hear it in the drawing-room through the wireless, they will be the more apt to turn out and get the full flavor of the performer's skill and personality in the theatre. For country people the new development is particularly important, for they may hear much of the best talent that is passing through the metropolitan. This, at present, is very great, for since the war, the Australian public has become one of the best theatrical markets. Australia's prosperity is regarded with envy and longing by the lands more hardy hill, whose people, more experienced artistically, and many of them, no longer afford the money that the stars of the concert hall and theatre desire.

With a good set, the farmer or the country doctor may feel that his family may grow up to know good music, and that a perpetual flow of it is available for their training in appreciation. Such talks as Dr. Floyd's that help people to appreciate music who have never had the time nor inclination for the drudgery of learning to perform, open up whole new worlds of pleasure and inspiration.

## BLO HELPED FIRE FIGHTERS.

Once again wireless has demonstrated its tremendous value as an agent of safety. The world first thrilled to its possibilities when a ship in distress called for help in the Atlantic and the call was answered by other boats, with the result that all lives were saved.

Since that early episode, salvation of life at sea has become almost a commonplace. Last Friday, I happened to be making holiday in the country, when the announcement of the disastrous fire at Warrandyte and the surrounding districts was made

by BLO, and a call for volunteers was made. Once again the people listening thrilled to the enormous possibilities of the invention that can send its warning call over the whole countryside, and concentrate at threatened spots the men and material necessary for fighting the flames.

Throughout that whole day and the next the police and BLO worked in co-operation. Without the help of the station, it would have been a matter of great difficulty and time lost to have gathered the fire-fighters together at the required places.

The role of Paul Revere to rouse the minute men of Lexington has been sung in story and rhyme. His name has come down to posterity. Wireless has rendered all such deeds unnecessary and out-of-date. The centuries have been bridged by this most remarkable invention, and now the country-side is crissed by a voice speaking from a distant city. It is necessary that we should think, from time to time, of the sheer wonder of this thing, so easy is it, in this marvellous age, for us to grow used to miracles.

## RACING AND FIRE.

On Saturday afternoon "Musket" of the Sporting Globe had an emergency to meet. Instead of writing to describe the progress of the races, he had a noble theme to his hand in the conflagration that destroyed the Guinea Stand at Caulfield. It was an unexpected treat for listeners thus to get the first-hand information of such an exciting episode. The "double" of fire and racing went through the air to the four corners of Australia, and were as graphically described, that it must have seemed to the outbacker a couple of thousand miles away as if he were gazing on the scene of ruin, before which the horses dashed in their tasks. It is this catching drama as it flies that makes the radio such an inexhaustible source of interest. The world and its whirling events are thus brought momentarily before the eyes of listeners. No longer need they wait tedious hours for newspaper and mailbag.

The surprising thing about the Caulfield episode was the nonchalance of the people. It was only with difficulty they could be got to move from the burning stand. Nothing could better illustrate the hold racing has on men. This nonchalance could be read from "Musket's" story, for it must have surprised listeners to learn that the fierce fire on the stand had no effect in stopping the racing. What a pity BLO was not operating while Rome was burning. They would have broadcast Nero's fiddling, as well as the shrieks and cries of blasted Rome.



Francis Halls,  
2FC bass.

**THE GREAT WELSH DAY** of St. David, on Tuesday, March 1, will be celebrated at 2BL by a special concert broadcast from King's Hall.

**MRS. ERNEST WOOD** recently returned from New Zealand after an extensive lecture tour, and is giving a series of talks from 2GB. Her talks will deal with the customs and manners of women in the various countries she has visited.

**OLIVER KING BACK:** Oliver King left for England last year, and has had many broadcasting engagements, both in America and England. He returns to Australia this month, and will be heard, no doubt, through 2FC, with whom he broadcast before he left.

**RADIO EXHIBITION:** Programmes presented by the broadcasting stations at the Radio Exhibition, Sydney Town Hall, have given a great deal of pleasure to the crowds of people who have visited the display. 2FC have spent no time or expense in getting together a wonderful array of radio talent, and the seven programmes they have supplied at the exhibition come to an end on Wednesday, 2nd, and Thursday, 3rd March. On the evening programme for Wednesday, 53 artists will be before the microphone, in the space of one hour, including a brass band, a dance band, a steel guitar orchestra, and solo artists.

## IT'S ALL IN THE AIR

Coming Features in the  
Broadcasting Programs

**FOR THE CHILDREN:** Bedtime Stories from 2BL comprise one of the most entertaining of the Station's programme. Uncle George, who has long been a favourite with the children, will entertain them as usual on Mondays, Tuesdays and Saturdays. On Wednesdays, Fridays and Saturdays "Daddy Long Legs" and "Little Willie" will take their listeners on imaginary world-tours in their famous "Hello Lizzie."

**MISS ANNIE HUGHES LEAVES FOR LONDON:** This well-known English comedy actress has been associated with listeners to 2FC for the last two years. She has written between forty and fifty sketches specially for the Station, and in her time has played many parts. Owing to a sudden family bereavement her plans have been altered, and she will say "Farewell" to listeners from the 2FC Studio on Monday, 28th February (the night before she sails).

**COMMONWEALTH SILVER BAND:** This combination of professional musicians, which is now in New Zealand, is being brought specially to Sydney for a starring engagement with Haymarket Theatre, and it is hoped that they will be heard on the air from this Theatre on Monday, 28th February. After their Sydney season, they proceed to Canada, for heavy bookings in connection with the exhibition organised by the Canadian Pacific Railway.

**CARTOONS ON THE AIR:** Air drawings are becoming not only feasible, but popular. Listeners to 2FC will remember the series given by Nevin Tasseau, the Poster King, followed by the series of Kerwin Maertrath, cartoonist, and now one of Australia's premier Knights of the Pencil, will commence a new series on March 3rd, when Harry Julius will come before the listening public. These will be run for three Thursdays, and space will be allotted in the "Evening News" on those nights, so that listeners can record their efforts, and send them in to the Studio, thus competing for the prizes to be offered. Mr. Julius has a ready sense of humor, and keen enjoyment from these competitions is anticipated.

**FRENCH TALKS:** Even the most enthusiastic advocate for talks on the air would admit that any continuity of talks, in the French tongue, would not make popular appeal. But if these are judiciously employed, quite a lot of interest can be roused. Take, for instance, the French Talks arranged over six or eight weeks, given by M. Maurice Eyra from 2FC. Here is the type of speaker, who although essentially French, meets the requirements of the listening public. On March 3, instead of a rapid fire of French conversation, he will approach the subject from a totally different angle. He will write a little story of the sojourn of a Frenchman through Paris with an Australian as his companion, and these two at the Studio will add much to the amusement of listeners, showing how French is "spoke." The Aussie, with all the cheerfulness and mispronunciation of his race, will tackle in French the names of some of the well-known streets and places which we all can read easily, but cannot pronounce, and his French friend will put him on the right track, at the same time letting listeners enjoy the instructive conversation.

**JACKASS VERSUS IMITO:** The competition between Corporal Phillips (Imito) and a laughing Jackass held at 2FC was only a partial success. The Jackass had been trained to do his stunt at the call of his owner, a young lady, and one of the difficulties of the competition was that several times when she gave him the signal, her voice was heard by listeners, who could therefore be in no doubt that it was the bird who was chirping up. Corporal Phillips, moreover, was not a bit nervous, but Jacky was markedly so. Brought to the studio in a box, he became very frightened when taken out into the glare of the electric light, and the unfamiliar surroundings of the studio made the bird anything but at his ease. Some of his laughs were first class, but others were quite disappointing. Great interest was taken in the competition, and Farmer's have sent to correspondents several hundreds of postcards bearing the picture of the laughing jackass. Jacky is to have another trial at the broadcasting station, but he will be schooled up a bit before his next appearance.

**JOE ARONSON:** Every artist has a reasonable amount of "mad" at 3LO, but it would appear that Mr. Joe Aronson gets more than his share. Budgets of letters continue to pour in at the Studio testifying to the enormous success of the cleverly artistic musical combination the "Syncopating Symphonists," and, although their jazz is, as every one knows, "par excellence," their skilful rendering of Classical Melodies leaves us still wondering.

**LILLIAN FROST, WELL-KNOWN ORGANIST, DEPARTS FOR LONDON:** Another—shall we say "old"—identity in the musical life of Sydney, in the person of Miss Lillian Frost, leaves Sydney for a well-earned holiday, early in April. Miss Frost has completed the Herculean task of providing her 52nd midday organ recital to the people of Sydney from the Pitt Street Congregational Church. She has been heard on the air more than any other organist in the State, and her selection on the grand organ at the various concerts held at the Sydney Town Hall run into thousands. How many friends are getting together to decide which is the most effective way to give Miss Frost a send-off, and as many opportunities as possible will be given by 2FC to the listening public, to hear Miss Frost on the air before she leaves. Her nubby recitals will be broadcast on 2nd and 9th March, as will her final recital on March 30th.

**MALE CHOIRS:** Very few items broadcast better than a body of well-trained male voices, as witness the Royal Sydney Apollo Club, which has been broadcast by 2FC for the past eighteen months. Arrangements are being made, whereby the Illawarra Choir, composed entirely of miners, will be heard in Sydney on March 6th, and it is hoped 2FC will be able to put this performance on the air, for the benefit of many thousands of appreciative listeners.

**MORE COMIC OPERAS TO BE HEARD:** Listeners, are you tired of hearing comic operas on the air? Some time ago, the Stations were told they were not giving enough, but this charge can hardly be laid against 2FC, who have consistently arranged for these transmissions. "High Jinks," arranged by the Kuring-gai Operatic Society, will be heard by listeners from the Chatswood Town Hall—portions of the 1st Act and last Act on Tuesday, 8th March, and the 2nd Act on Saturday, 12th March. Then that screaming farce of "The Boy," written from Pinero's play "The Magistrate," with Lance Lister in the part of "The Boy," will be given by the Railway and Tramway Institute, from the Institute, on Saturday, 12th March, when the 1st Act will be taken. Roseville Operatic Society are hard at work on "Gipsy Love," and this is promised early in April. Moorman Musical Society has "Lina Dommo" well in train, and this is expected towards the end of March, so here are four of the most popular comic operas awaiting an eager audience.

**"UNCLE GEORGE RETURNS:"** How great an interest the children—and in some cases the adults too—take in a person they have never seen, was demonstrated during the recent holiday of "Uncle George," who nightly entertained listeners-in to 2BL. Having announced his route, "Uncle George" continually had to pull up his car during a tour of the South Coast to meet the wishes of the many children who wanted to see him and talk to him personally. Incidentally while visiting the Wallaga Lakes (Aborigines Reserve near Tilba Tilba) "Uncle George" was able to obtain, by means of a collection among the party of tourists, a sum sufficient to enable a large listening-in set to be given to the aborigines. There are about 60 adults and 30 children in the settlement and, as time hangs heavily on their hands, the gift was greatly appreciated.

**OSBORNE AND PERRYER:** Thrice welcome back to 3LO are Ben Osborne and Nellie Perryer, who have returned for a short broadcasting season after having had a successful tour in the west. The contributions of this clever Duo, comprising as they do, some delightful "cockney" studies in which pathos and humor are cleverly mingled, are too well known to need much comment. Suffice it to say that listeners will be glad to renew acquaintance with their old numbers, and look forward with keen anticipation to hear some of the new ones they have in active rehearsal.



"It's the best Show we've ever organised" said the Radio Exhibition in one voice as this photograph was taken. Back row (left to right) A. Robinson, C. C. Faulkner, manager, R. C. Marsden, P. H. Phillips, G. L. Oswin, P. H. Pettifer (chairman), C. Lee, R. Burpin, H. E. Buckingham-Lewis. Front row: W. J. Wing, A. A. Gallon, A. O'Brien (asst. secretary), H. W. Bollen, F. Abisworth, C. A. Wiley, N. S. Gilmore, A. E. Pepper, J. H. Greenwood.

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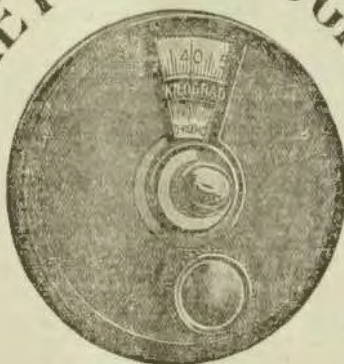
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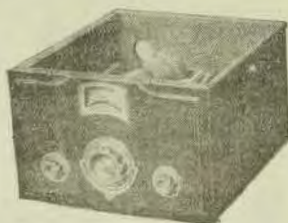
## Magnavox One Dial Five Valve Receiver

THE other day we visited the showrooms of Messrs. Mick Simmons, Ltd., of Haymarket, Sydney, and were shown several models of the Magnavox Five Valve Receiver. The receiver itself takes up a very, very small space indeed, actually being built in a small drawer in order that it may be fitted into different cabinets to meet the taste of the prospective owner. Many and different were the designs of cabinet work, and we feel certain that a person would be fastidious indeed if he could not decide on one to suit his requirements. One model in particular which took our fancy is known as the "Berkeley" Model. This model is very pleasing indeed to the eye, the cabinet being of the highboy type of two toned mahogany finish. The receiver itself is situated centrally in this cabinet and the speaker is built in above the receiver. Beneath the set is a spacious compartment for all the batteries and accessories. Two nicely polished doors on the front can be used to close in the top portion of the cabinet which is resting on a neat little table with nicely-turned legs.

We were invited into a well-designed Audition Room, in which this excellent receiver was demonstrated. The results were very gratifying indeed, the tone quality surpassing any other radio receiver to which we listened. Different models were exhibited and prior to taking our departure we expressed a wish that one should be sent us for test purposes. This was gladly acquiesced to and it is concerning the test of this receiver that we wish to tell you something.

The receiver was delivered to Macrieville splendidly packed, indeed, complete with five Magnavox valves, one of which being a power valve, the required Winchester B. batteries, Clyde Accumulator and Magnavox Loud Speaker. Opening the carton displayed the receiver drawer in which is built the receiver. The actual dimensions of this drawer proved to be eleven and three-quarter inches wide, seven and a half inches high by twelve and a half inches deep, thus making it eminently suitable for sliding into a gramophone cabinet.

Looking down inside the drawer all that can be seen is a three gang condenser arranged around which are the five valve sockets. Everything else is sub-pannelled and, therefore, out of sight. On the front of the drawer there is centrally situated a large tuning dial above which is the window showing the wave lengths from two hundred metres to five fifty



Details of another commercially built receiver tested by the Technical Editor. The illustration above shows the drawer in the cabinet containing the set.

metres. This wave length scale is operated by the dial immediately below, and the fact of the calibration in wave lengths is very, very interesting indeed, as most enthusiasts know the wave lengths they desire to receive, rendering tuning absolutely simplicity itself. Two other small knobs attract attention. One on the right actuates a volume control, whereas that one on the left is used as a switch to switch off all the valves when the set is not in use. Nothing else is seen in the front of the drawer, neither jacks nor terminals of any description.

Certainly the first impression indicated that the receiver was one of a very high order and to prove this for ourselves we set about connecting it up to the batteries, etc. Provided with the Magnavox receiver is a battery cord with tags braided with the battery position in each instance. Following out the instructions in the booklet these batteries were connected up to the cable and a multiple spring socket at the other end of this cord fitted snugly into the acceptor in the set. This socket and acceptor is so designed that it is absolutely impossible to get the batteries connected mixed up, thereby eliminating any chance of burnt out valves. This is a very good feature, as the average man in the street does not know an A battery from a B battery, and the consequences which result when these batteries are wrongly connected.

The aerial and earth were connected and the valves inserted in the respective sockets, the speaker being provided for at the back of the

drawer. On turning the battery switch to the "on" position and rotating the main tuning dial until 350 metres were showing, in came Broad-casters (Sydney), Ltd., with remarkable volume and a glorious quality of tone. The tone control proved its value, but at no setting of this control did raucous result. Melbourne, the 3LO station, was easily found on its wave length setting on the dial, and there was absolutely no sign of 2BL during the whole of the reception. I called other interstate stations and the volume was truly splendid, and the little Magnavox speaker showed itself to be a most wonderfully mellow tone reproducer.

Although only a small fraction of the dial separated 4QG from 5CL, both these stations were very pleasantly received on the speaker at full strength without any sign of each other. 2FC, Sydney, and 1YA, Auckland, were separated nicely and 3AR could be heard as loudly as 3LO. Not once on any station was there any sign of a whistle or a squeal, only the best of quality reproduction being heard on the speaker.

At two fifteen one morning three Victorian amateurs were tuned between two hundred and two fifty metres, tuned in on the speaker, mind you, not the ear phones, and the party who listened to it expressed wonderment of the tone qualities from even these low-powered stations.

As a first-class broadcasting receiver the "Magnavox" would be very hard to beat. It conforms to all the specifications of a high-grade receiver and Messrs. Mick Simmons, Ltd., have a wonderful product in this receiver. We understand it is on view at the Radio Exhibition.

**JACK DUNNE:** The deep rich baritone voice of Mr. Jack Dunne, so admirably suited for work at 3LO, still continues to charm listeners, and, judging from his mail, his star of popularity shows no sign of being on the wane. Mr. Dunne is one of those versatile and exceedingly fortunate artists who is able to sing with equal ease vocal compositions with widely different appeals.

**JONES AND RAINE:** Newcomers to the 3LO are Sydney Jones and Gladys Raine, a talented duo who entertain with voice and piano. Both artists enjoy a world-wide reputation, and have just returned to Australian shores from a long tour abroad, where they added to their already extensive musical honours.



A final adjustment can be made later on by sliding your aerial coil closer to or further away from the secondary coil, watching the effect of selectivity in doing so. This sliding is known as coupling, and the closer the coupling the greater will be the volume on local stations, and the looser the coupling the greater will be the degree of selectivity. When this is thoroughly understood a position for this aerial coupling coil will be found which will strike the happy medium and suit all purposes. When this has been determined this coil need not be touched at any time in the future.

The constructor if desired can build the cabinet in which to enclose this receiver. The complete equipment of accessories are as follows:—

- 100 feet of aerial wire.
- 8 Small Egg Insulators.
- 1—Earth clip.
- Suitable supports for aerial.
- 2—Valves.
- 1—A battery to suit valves, either accumulator type or dry cell type.
- 2—40 or 45 volt B batteries (larger capacity preferable).
- 1—Pair of Phones.
- 1—Loud Speaker.

All these necessities may be obtained from any of our advertisers. In conclusion, we would refer those readers who are doubtful of their aerials and others who wish to erect a splendid aerial to "WIRELESS WEEKLY" of the 28th of January, 1927.



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1 Emeco 5 to 1 Transformer	21	6
1 Bruchstat, suitable for two valves	4	9
1 Wetless Mica Grid Condenser with clips	1	9
1 2 Megohm Gridleak	1	0

1 .0005 Mica Condenser	1	6
1 Ajax Terminal Board with 7 Terminals	2	3
1 35 T Ajax Honey Comb Coil, unmounted	1	4
1 50 T Ajax Honey Comb Coil, unmounted	1	7
1 200 T Ajax Honey Comb Coil, unmounted	2	10
2 1 of 1 1/2 Tubing	6	
4 oz. 24 DCC Wire	1	7
1 Strip Bakelite 7 x 1/2 x 1/2	6	
2 4 1/2 Black Engraved Dials, 2 1/2	4	6
1 Dozen Square Buswire	10	

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IF YOU DO NOT SEE THE ITEM YOU REQUIRE LISTED IN OUR ADVERTISEMENT, WRITE JUST THE SAME, WE WILL PROCURE IT IF OBTAINABLE.

We Pay Carriage on Orders of 10/- and over, Except on Batteries, Loud Speakers, Cabinets, and Value Payable Post Parcels.

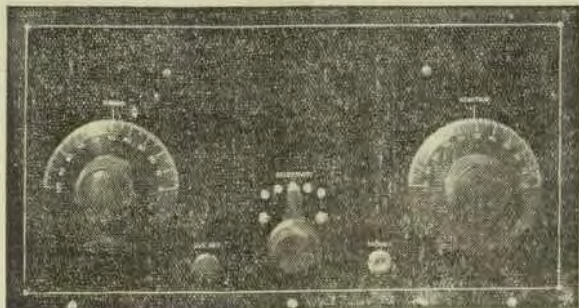
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## Just a Two-Valve Receiver

*No startling departure in circuit design, no claims of super selectivity, range or volume, but just an ordinary two-valve receiver of modern construction, simple, neat and compact, to please the heart of a housewife*

**T**WO-VALVE receivers are popular with most people. In these pages there have been described, from time to time, many excellent two valves, all of which have produced splendid results. Still, we have had numerous requests for another simple two valve receiver, hence this article.

Now, a two-valve receiver can be of two types. If the constructor desires distant stations, it is then advisable to precede the detector valve with a stage of radio frequency, which builds up the signal strength before it is detected. It, therefore, follows that the resultant volume is rarely suitable for a loud speaker. If greater volume is desired, it is incumbent on the constructor to add a stage of audio frequency amplification, which differs from radio frequency, inasmuch as it magnifies the signal strength after it is detected by the detector valve. The Britisher calls it a note magnifier, which is indeed a very good name for it. Using the popular transformer method of coupling the valves, as many as two stages of transformer coupled audio frequency is possible; more is not advisable at any time.

At some future date we will tell you just what is inside a transformer and just how it works. For the present, suffice it to say that the audio frequency transformer steps up the

strength of signal and passes it on to the valve and from thence to the 'phones or loud speaker.

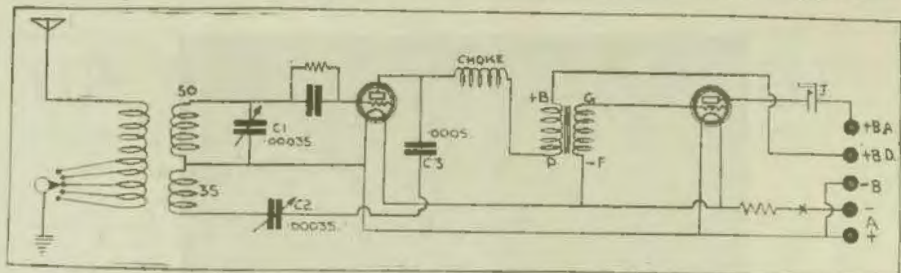
It will thus be understood that this receiver is more suitable for receiving at reasonably good loud speaker strength, the local broadcasting station, or that station within, say, 50 miles of the constructor's home.

The circuit in this receiver is not in any way new. It is the good old Reinartz which is noted for the smooth control of reaction. Now, if properly handled, there is no reason why the long distance station should not be heard at good 'phone strength, but, of course, careful tuning is required, and this knowledge is easily acquired by practice. For a beginner it is, of course, essential that the tuning should be easily carried out, and, therefore, the set should be one with as few controls as possible.

In the receiver being described there are really only two controls. These can be seen in the photograph of the front panel view, the two controls being those two dials situated at opposite ends of the panel. Between these dials there is a selector switch, which operates over tappings taken from the aerial coupling coil. This is virtually not a control, but at the same time becomes very, very useful from the point of view of selectivity. All aerials are not of the same length, nor are they even of similar characteristics. Some are longer, some

higher, some with greater resistance, and so on, so that in order that the constructors of this receiver all have an equal chance irrespective of length, etc., of aerial, this selector switch has been incorporated. Later on, in practice, its full value will be displayed. A battery switch and a jack are placed in suitable positions. The aerial and earth terminals are not on the panel, but are at the back of the set on the terminal board provided for the purpose.

While on the subject of the panel it will again be seen in our photograph that this panel is engraved, the left hand dial of condenser C1 being marked tuning and the dial of the reaction condenser on the right hand side of the panel being branded reaction. Right above the contact studs of the selector switch is the word selectivity, while cut out designates the switch and 'phones the jack. To enhance the appearance of the panel a white line is drawn around all edges at a distance of half an inch. All this work can be carried out by any of the advertisers in "Wireless Weekly," and the price is indeed nominal. On the other hand if only the white border is desired this can be done at home very easily. Procure a carpenter's gauge similar to the one illustrated in the article entitled, "Tools for the Home Constructor," in last week's "Wireless Weekly," and set it at the required distance, say,



The circuit diagram.

half an inch. Assuring yourself that the edges of the panel are perfectly straight, run this gauge along carefully and slowly so that the pin plows its way into the panel. Repeat this operation on all four edges, thus making a groove all the way round. Do not, of course, cut this groove right at the very end in each instance, but stop at a distance of half an inch, so that all the grooves will meet. Neaten off the corners where the grooves join by using a drill one-eighth of an inch in diameter, and making a small indentation right at the corner. Don't drill right through, of course, just raise the surface of the panel, no more.

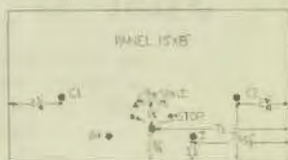
This groove can now be filled in with some white material, such as Chinese ink used by most artists. This should be rubbed into the groove, and just before it sets properly, the residue adhering to the panel itself should

be removed with a damp rag; this operation is very simple.

However, we must give you the list of parts used in the construction of this receiver. For those who desire to duplicate this receiver in its entirety the brands of apparatus actually used are given, and while it is not strictly speaking necessary to adhere to these brands, at the same time be sure that the quality of apparatus is of a standard worthy of the receiver. But be absolutely careful to adhere to the values given, as naturally in the design of any receiver which we publish much thought is given to the values, therefore take our advice and stick to them. Here is a shopping list:—

- 1-Radiion or Dilecto, Panel, 15in. x 8in. x 1/2in.
- 2-00035 S.L.B. Condensers.
- 2-1in. Dials.
- 1-Rotary switch with 14in. arm.
- 5-Contact studs, complete with nuts.

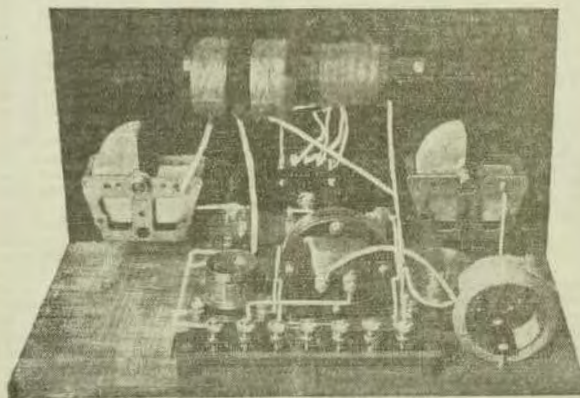
- 2-Switch stops.
- 1-S.C. Jack.
- 1-Battery Switch.
- 2-Standard valve sockets.



The panel drilling template.

- 1-Emrgo 5 to 1 A.F. transformer.
- 1-0005 mica Dielectric Fixed Condenser.
- 1-00025 Wellax Grid Condenser.
- 1-2 neg. Grid Leak.
- 1-Terminal Board with 7 terminals.
- 1-35 Turn Honeycomb Coil. (Unmtd.)
- 1-50 Turn Honeycomb Coil. (Unmtd.)
- 1-200 Turn Honeycomb Coil. (Unmtd.)
- 1-Length of Cardboard or Dilecto Tubing, 14in. External Diameter.
- 2 ozs. of No. 24 D.C.C. Wire.
- 1-Strip of Radiion or Dilecto, 7in. long by 1/2in. wide by 1/4in. thick.
- 2-Strips of Radiion or Dilecto, 14in. long by 1/2in. wide by 1/4in. thick.
- 6 Roundhead Nickel-plated Metal Screws with nuts, 1/2in. long by 1/4in. thick.
- (Contact studs may be substituted for these.)
- 1-Brachstat, suitable for two valves.
- 1-Baseboard, 14in. x 8in. x 1/2in.
- 6-Busbars.
- 1-Length of Varnished Cambric Spaghetti.
- Sundry screws, etc.

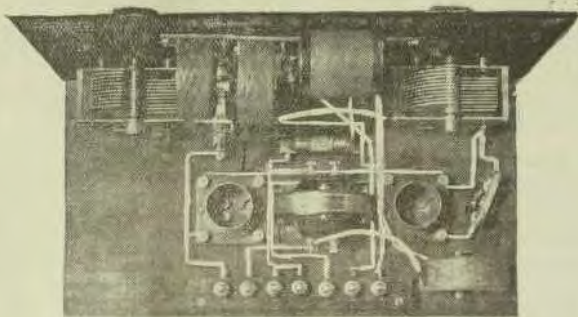
All the above material is familiar to most readers with the exception of perhaps the brachstat. This is an automatic filament ballast, which takes the place of the rheostat in this receiver. They are obtainable for the



A back-of-panel view of the set.

purposes of controlling one, two or three valves. For our purpose here a Brachstat suitable for passing half an amp at six volts is required. This Brachstat will supply the correct filament current to such valves as UX-201A's, Philips C506's, De Forest D.V.5's and other valves of similar filament consumption of voltage. If, of course, it is desired to use the valves of the .08 of an amp variety, valves such as D.V.3's, A.W.A.90, and other valves of the Philips and Edison variety which consume .08 of an amp, in conjunction with the usual 4 or 4½ volt A battery, a Brachstat will be found suitable for this purpose. Understand clearly that this Brachstat controls both valves, thus dispensing entirely with the necessity for a rheostat.

The panel is the first consideration. Already you have been told how to groove the panel, and the marking and drilling can be gathered from the diagram produced herewith, showing the dimensions and the relative positions of the various components. This diagram, besides showing the dimensions, is also drawn to scale, and will prove of valuable assistance to all constructors. The panel should be laid on a perfectly flat surface and marked out in accordance with this diagram. Once again the carpenter's gauge will prove of considerable value, as explained in last week's article already referred to. Before assembling all parts after having drilled the panel satisfactorily a polish can be brought



The baseboard lay-out.

to the surface by applying some ordinary household brass and polishing vigorously. By the way, it may be well to add that this brass will leave a deposit in the groove around the edge of the panel and will serve instead of Chinese White.

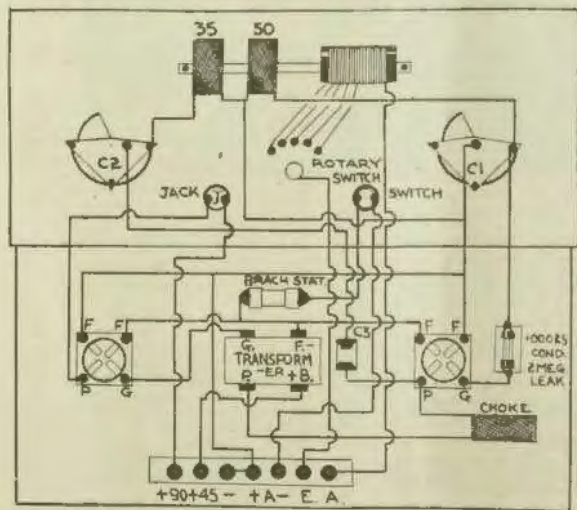
Now assemble all the parts, making sure that an even tension is applied to all the fixing screws of the variable condensers. If an uneven pressure is present in these screws there is a tendency for the condenser to be pulled out of shape, thereby causing the moving plates to come into contact with the fixed plates. This

applies to most condensers, therefore watch out for it.

As is shown in the panel layout the contact studs are placed three-eighths of an inch apart from centres. This allows the rotary switch arm to play on the surface of these studs evenly and not jerkily. As each stud is pushed through the hole provided for it a nut is attached to the back to fix it tightly in position. Also treat the stops likewise.

Leave the panel carefully on the one side while the baseboard layout is attended to. A coat of shellac should be applied to the baseboard, this shellac drying very quickly. Then place the baseboard components in their respective positions. A good indication of just where they should go can be gathered from the photographs, as well as the back of panel wiring diagram. It will be noticed that the secondary of the transformer is facing the panel, and that the Brachstat is mounted on the baseboard just in front of this. The .0005 fixed condenser is suspended in mid air by means of the busbar. The 200 turn honeycomb coil choke is allowed to rest on the baseboard, one of the smaller strips of panel material being used to hold it securely. This is done by drilling two holes at the edge of this small strip and allowing screws to protrude right through these holes into the baseboard, the thickness of the coil itself regulating the length of screws required.

The aerial coil should now be wound. Here is where the small length of tubing is required. Three-eighths of an inch from one edge of this tubing drill two small holes, through which fix a wire securely, and wind 45 turns of the No. 24 D.C.C. Wire, taking taps at the 25th, 30th, 35th and 40th turns. These tappings should be



Wiring diagram.

taken staggered, that is to say the 25th tap and the 35th tap should be immediately below one another, whereas half an inch away round the circumference of the tubing there should be the 30th and 40th turns below one another. This allows easy access for the soldering iron when the connections are taken from these tapings to the contact stud.

Now gather together that long strip of Radion or Dilect seven inches long and place this flatly on the table. At a quarter of an inch from each end drill two small holes sufficiently big enough to allow the half inch roundhead nickel-plated screws or contact studs free clearance when finally they are inserted. At a distance of a quarter of an inch further from this hole on the right hand end drill another similarly sized hole. Another hole again an inch and a quarter further on, another one half an inch further on, and a final hole a further inch and a quarter on. Remember that all these measurements are taken from the right hand end. The two remaining small strips should now have a hole drilled in each end, a hole of the same size, mind you, and one and a quarter inches apart.

Now lay the long flat strip on the table again and between the second and third hole that is in the position in which these two holes are an inch and a quarter apart place the 35 turn Honeycomb coil with the connections upwards and then through the coil slip one of the smaller pieces of Radion over, slip two of the screws through this smaller strip of Radion right through to the long strip, and fasten on the underside with the nuts. Repeat this operation with the 50 turn coil just to the left again. This secures these coils to the long strip.

When these coils are mounted in the manner described there is a space of approximately 3/4 in. long left. This space is occupied by the aerial coupling coil which you have just wound. Pick up your panel again and, using the long strip on which these coils were mounted, as a template mark off the positions for the two extreme end holes 1 and three-quarter inches below the top of the panel. Make this coil unit central, that is to say, there will be left approximately four inches on each side of the panel. Having drilled these holes procure another contact stud or screw and pushing this screw through from the front of the panel right through the right hand end hole, that is the end on which the Honeycomb coils are mounted on this long strip, fasten it to the panel by means of the nut.

Now between the other end of this strip and the panel slip the small aerial coupling coil, that is the coil wound on the tube, and clamp the whole to the panel by fastening with a screw right through the panel and through the strip, securing as before with the nut. The small aerial coil should be held just lightly enough to allow it to slide along the intervening space towards the 50 turn coil. This 50 turn coil is the secondary coil and the 35 turn Honeycomb coil is the reaction coil.

To start with the wiring, it is very easy right through, solder a short wire connection from each tapping in the aerial coil to a respective contact stud in the group around the selector switch. If desired these connections may be run through varnished cambric spaghetti. Now join the outside turn, that is the end of the 45 turn reaction coil to the moving plates of the reaction condenser C2. Join together the inside turn of this reaction coil to the inside turn of the secondary coil, that is the No. 50 turn Honeycomb coil, the outside turn of which is connected to the fixed plates of the tuning condenser C1.

Now screw the panel permanently to the baseboard and proceed with the wiring as is outlined in the back of panel wiring diagram. The two outside or furthest apart filament terminals of the valve sockets are joined together. The moving plates of tuning condenser C1 is connected to this common filament wire, and another lead is taken from it to one side of the battery switch, the other side of this battery switch being connected to the nearest terminal of the Brachstat. Those two wires of the Honeycomb coils that were joined together should have a lead taken from the join to this common filament wire, that is, the wire to which is connected the battery switch. The two remaining filament terminals are next joined together. The fixed plates of tuning condenser C1 should now be joined through the grid condenser and grid leak to the G terminal of the first valve socket. The P terminal of this valve socket should now have a wire run from it to one side of the fixed condenser .0005, the other side of this condenser being joined to the fixed plates of reaction condenser C2. To the P terminal of this first valve should be connected one side of the 200 turn Honeycomb coil choke, the other side of which should be joined to the P terminal of the audio frequency transformer.

Continuing with the wiring the G terminal of this transformer should have a lead taken to the G terminal of the second valve socket. The P terminal of the second valve socket

should be connected to one side of the jack. At this stage screw down the terminal board right at the back of the baseboard, and now run in the battery wires. Firstly, from the aerial terminal of this terminal board join to the beginning of the aerial coil, flexible spaghetti covered wiring being used for this purpose. Next connect the spindle of the rotary switch to the terminal marked EARTH on the terminal board. Now connect the P minus of the audio transformer to that wire which runs between the two nearer filament terminals of the valve sockets and then join this wire to the A minus terminal. The A positive terminal should now be joined to the B minus terminal, and a wire run from there to the remaining side of the Brachstat. The B positive detector terminal should be connected to the B positive terminal of the A.F. transformer, whereas the B amplifier terminal should be run to the remaining side of the jack. This completes the wiring, and the constructor should check over carefully to locate omissions or errors.

#### TESTING.

Remembering our remarks earlier in this article regarding the relation between the Brachstat and the valves to be used, insert suitable valves in the sockets. Connect up the aerial and earth to their respective terminals and also the A battery and B battery to their respective terminals. Remember to use only the suitable A battery for the valves to be used, the B battery minus should be connected to the B minus terminal, while between 223 and 45 volts should be applied to the B positive detector terminal. Up to 90 volts can be connected to the B positive amplifier terminal.

Now plug the earphones into the jack and turn the dial of tuning condenser C1. Presently the local station should be tuned in; while seeking this local station see that the reaction condenser C2 is set in such a position that the moving plates are all out. Having got the local station to the best advantage with tuning condenser C1, gradually bring the moving plates of reaction condenser C2 into mesh with the fixed plates, an action which will cause the signal strength to be increased. If this reaction dial is turned too far the set will burst into oscillation. Avoid this by bringing the signal strength up to the loudest pitch clear of oscillation. Now turn your selector switch on to another stud and retune with both dials. Try the next stud and so on until you get to know the value of the selector switch. Manipulate your controls for half an hour or so until you feel that you are familiar with the handling of this receiver.

(Continued on Page 15).

# THE EXHIBITION IS NOW IN FULL SWING.

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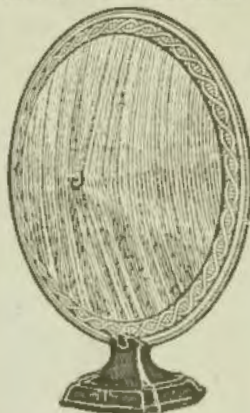
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ALL SPEAKERS CARRY OUR USUAL GUARANTEE OF SATISFACTION OR MONEY REFUNDED.



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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.

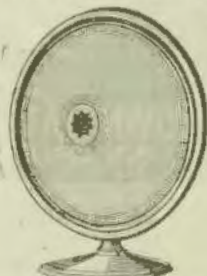
Amplion AR19 ..	£6/10/-
" AR102 ..	£1/5/-
" AR38 .....	£3/-
" AR111 ..	£3/10/-
" AR58 .....	£4/-
" AR88 .....	£5/15/-
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" AR65 .....	£4/15/-
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Amplion AR114, £3/15/-.



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# BROADCASTING PROGRAMMES

For the COMING WEEK

## Friday, February 25

### 2BL, SYDNEY

Broadcaster's Ltd.  
Wave Length, 353 Metres.

#### EARLY MORNING SESSION.

- 7.14 a.m.—G.P.O. Clock and chimes.  
7.18 a.m.—Musical programme from studio.  
7.20 a.m.—Physical training and health exercises.  
7.25 a.m.—Hints on health.  
7.30 a.m.—Physical training and health exercises.  
7.45 a.m.—G.P.O. Clock and chimes.  
7.48 a.m.—Weather report.  
7.50 a.m.—Sporting information.  
7.55 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.  
10.20 a.m.—News service from Daily Telegraph.  
10.35 a.m.—Musical programme from the studio.  
11 a.m.—G.P.O. Clock and chimes.  
11.3 a.m.—News from the Daily Telegraph.  
11.45 a.m.—Rabbit Market Report.  
11.50 a.m.—Vegetable Market Report.  
11.55 a.m.—Fruit Market Report.  
12.05 a.m.—Fruit Market Report.  
12.25 a.m.—Lanson Dairy Farm, Egg and Poultry Market Report.  
12.35 a.m.—London Metal Quotations.  
12.40 a.m.—Shipping in call by wireless.  
12.42 a.m.—Information re interstate and overseas mails.  
12.48 a.m.—Shipping information—arrivals and departures.

- 12.55 a.m.—Women's Session  
Talk on "Golf" by Miss Gwen Varley, Broadcaster's Woman's Sports Authority.  
1.15 a.m.—Social Notes by Mrs. Jordan.  
1.20 a.m.—Mrs. Jordan replies to correspondents.  
1.35 a.m.—Talk on "Feasting the Family" by Mrs. Jordan.  
1.50 p.m.—G.P.O. Clock and chimes.  
10.37 a.m.—Sydney Stock Exchange Calls.  
10.38 a.m.—News from the "Sun".  
12.45 p.m.—Higgins' Instrumental Quartet—direction—Carri. Girdling.  
1.28 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.—Musical programme from the studio.  
2 p.m.—G.P.O. Clock and chimes. Close down.

#### AFTERNOON SESSION.

- Racing information broadcast by courtesy of the "Sun".  
3 a.m.—G.P.O. Clock and chimes.  
3.1 p.m.—Weather Report.  
3.3 p.m.—Social Notes from the "Sun".  
3.5 p.m.—News from the "Sun".  
7.15 p.m.—Musical programme from the studio under the direction of Miss Kathleen Jordan.  
3.35 p.m.—G.P.O. Clock and chimes.  
3.51 p.m.—News from the "Sun".  
3.55 p.m.—Musical programme from the studio.  
4 p.m.—G.P.O. Clock and chimes.  
4.1 p.m.—Civil Service Staves Trio—direction—Miss de Cources Bremer.  
4.15 p.m.—Serial Story.  
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.—Shipping information when available.  
5.12 p.m.—Day's racing resume on race days.  
5.25 p.m.—News from the "Sun".  
5 p.m.—G.P.O. Clock and chimes. Close down.

#### EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. Clock and chimes.  
5.48 p.m.—Helen George and the Kiddies.  
5.50 p.m.—The songs of Miss Monica Beatty will entertain the Kiddies.  
6.40 p.m.—Musical programme from the studio.

#### SPIRITUAL COUNTRY SESSION.

- 7 p.m.—G.P.O. Clock and chimes.  
Australian Mercantile, Labor and Finance Co's Report.  
Weather report and forecast.  
Stock Exchange Calls.  
Producers Distributing Society's Vegetable and Fruit Market Report.  
Grain and Fodder Report (Sun).  
Daily Produce Report (Sun).  
7.15 p.m.—Country News from the "Sun".  
Talk on "The Solomon Islands" by Mr. St. Clair McKay.

- 8 p.m.—G.P.O. Clock and Chimes.  
Broadcasters' Tropical Chimes.  
8.1 p.m.—Broadcasters' Trio.  
8.15 p.m.—Miss Mary Seal (Melba contralto).  
8.20 p.m.—Mr. W. E. Lewis (baritone).  
8.25 p.m.—The Lyric Male Quartet.  
8.35 p.m.—Miss Ward (soprano).  
8.44 p.m.—Miss Virginia Rhodes (soprano).  
8.51 p.m.—Broadcasters' Trio.  
8.58 p.m.—Resume of following day's programme.

- 9 p.m.—G.P.O. Clock and chimes.  
Weather report and forecast by courtesy of Mr. J. Mearns Govt. Meteorological.  
9.10 p.m.—John and Nellie Shew (dramatists).  
9.25 p.m.—Duet: Miss Doris Ward and Mr. W. E. Lewis.  
9.31 p.m.—Miss Mary Seal.  
9.34 p.m.—The Lyric Male Quartet.  
9.44 p.m.—Mr. W. E. Lewis.  
9.51 p.m.—Broadcasters' Trio.  
10 a.m.—Miss Virginia Rhodes.  
10.3 p.m.—Miss Doris Ward.  
10.15 p.m.—The Ambassadors (Lance Band broadcast from the Ballroom of the Ambassadors). During the intervals between dances, new returns by courtesy of the "Sun" will be broadcast.  
12 midnight—G.P.O. Clock and chimes.  
National Anthem.

## 2KY, SYDNEY

Trade Hall Broadcasting Station.  
Wave Length, 280 Metres.

- Friday.  
LUNCHHOUR SESSION.  
12.15 p.m.—Tune in to the ticking of the clock.  
12.18 p.m.—Popular fox trots. "Orpheus" gramophone.  
12.25 p.m.—Musical interlude.  
12.40 p.m.—News items.  
1 p.m.—Vocal songs.  
1.15 p.m.—Hawthorn Steel Guitar Selections.  
1.24 p.m.—Union news and meetings.  
1.30 p.m.—Lindsay records.  
1.40 p.m.—Where to go to-night.  
1.45 p.m.—Closing announcements.

CHILDREN'S HOUR.  
6.30 p.m.—THE STORYMAN, MR. THOMPSON.

#### EVENING SESSION.

- 7 p.m.—Sporting feature, Turf topics. Review of paddlers and their prospects for tomorrow. MR. A. E. POWELL.  
7.40 p.m.—Tomorrow's sporting events and some items.  
8 a.m.—Talk on motor cycle racing. MR. J. S. HOBKINS.  
8.10 p.m.—Pianoforte solos. MISS MONICA LAUCHLIN.  
8.20 p.m.—Soprano solos. MISS EDITH WELSH.  
8.30 p.m.—Monologue. MR. DAVID EDWARDS.  
8.40 p.m.—Musical interlude. Gloriamus (Lance Orchestra, Rifle Range, Leash, by kind permission of G.O. IRVING).  
9 a.m.—Baritone solos. MR. VAI BLACK.  
9.18 p.m.—Sporting feature. Ringside description of main contest from Melbourn's Leithfield Stadium.  
9.25 p.m.—Rally of light.  
9.35 p.m.—Music from Studio.  
10 p.m.—Closing announcements.

## 2GB, SYDNEY

Theological Broadcasting Service.  
Wave Length, 316 Metres.

#### MORNING SESSION.

- Cheerful Hour, by Mr. J. K. Powell.  
9.30 a.m.—Expansive Piano.  
9.35 a.m.—Cheerful Talk.  
9.50 a.m.—Song.  
9.55 a.m.—Radio Companionship.  
10 a.m.—Music.  
10.15 a.m.—Paraphrase for Schools.  
10.25 a.m.—Music.  
10.35 a.m.—Close down.

#### AFTERNOON SESSION.

- 3.30 p.m.—Music.  
3.35 p.m.—Humanitarian Movement to Series.  
3.55 p.m.—Music.  
4.3 p.m.—News from everywhere for women.  
4.20 p.m.—Music.  
4.30 p.m.—Close down.  
4.30 p.m.—Children's session, conducted by "The Cheerful Man".  
7.15 p.m.—Cheerful Talk to Men.  
7.20 p.m.—Popular Song Number.  
7.35 p.m.—Music from Studio.  
8.3 p.m.—Address by Professor Ernest Wood.  
8.16 p.m.—Instrumental Quartets (from Town Hall).  
Ada Brock, Dan Scully, Monica Border, Jack Post.  
8.25 p.m.—"What We Stand For." Chairman of 2GB, the Rt. Rev. G. S. Arncliffe.  
8.35 p.m.—Instrumental Quartette. Dan Scully, Monica Border, Jack Post, Ada Brock.  
8.45 p.m.—Selections from Opera. Hilda Burd, Wilbert Green, Edward Butterworth, Miss Francis.  
8.10 p.m.—Cheerful Talk.  
9 p.m.—Market reports, stock reports, Lectures—"The Science of Animal Breeding".



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Frame, Black or  
Mahogany finish,  
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Emmco Vernier  
Dial, Metal Frame,  
Black or Mahogany  
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00035 ..... 14/-  
00055 ..... 15/-



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Socket, Type 522.  
4/6.



Emmco Lightning  
Arrester, 4/3.

9.15 p.m.—Musical Monologue. S. Sargeant.  
 9.25 p.m.—Violin Solos. Lloyd Davies.  
 9.33 p.m.—Piano Solos. Ada Brook.  
 9.41 p.m.—Musical Monologues. Sgt. Sargeant.  
 9.51 p.m.—Instrumental Trio. Lloyd Davies,  
 Jack Post, Ada Brook.  
 10 p.m.—Cherish Talk and Great Thoughts  
 from Great Minds.

### 3LO, MELBOURNE

Broadcasting Co. of Aust.

Wave Length, 371 Metres.

Friday.

MIDDAY SESSION.  
 FACTS AND FANCIES.  
 THE STUDIO ORCHESTRA,  
 DREW AND ROMAINE,  
 OSBORNE & FERRYER,  
 GERTRUDE ARMSTRONG,  
 BETTY BEVAN, Soprano.  
 Announcer..... ALFRED ANDREW.  
 Accompanist..... AGNES FORTUNE.  
 12 noon.—Time signal. British official wire-  
 less news from Rugby. Reuters and the  
 Australian Financial Weekly. Calm-  
 "Argus" and "Herald" news services.  
 12.15 p.m.—Stock Exchange information.  
 12.20 p.m.—DREW and ROMAINE, will  
 tell you about "The Girls."  
 12.30 p.m.—STUDIO ORCHESTRA.  
 "Obitello Suite" (Coleridge-Taylor).  
 12.40 p.m.—OSBORNE AND FERRYER will  
 indulge in "Musical Whispers."  
 12.45 p.m.—GERTRUDE ARMSTRONG, The  
 Girl Era Glacé.  
 March, "The Highland Wedding."  
 Strathgry, "The Grange."  
 Recd., "The Duettron."  
 1 p.m.—BETTY BEVAN, Soprano:  
 "When the Roses Bloom" (Reichardt).  
 "Lackaday" (Crompton).  
 1.17 p.m.—STUDIO ORCHESTRA,  
 "The Shoe" (Dance Suite (Ansell)).  
 1.25 p.m.—WEATHER REPORTS.  
 1.30 p.m.—STUDIO ORCHESTRA:  
 "Sleeping Beauty" (Tobani).  
 1.40 p.m.—BETTY BEVAN, Soprano:  
 "Over the Hills of Heart's Content" (Lohr).  
 "When Song is Sweet" (Sassone).  
 1.47 p.m.—STUDIO ORCHESTRA:  
 "Valse Triste" (Sibelius).  
 2 p.m.—Close down.

AFTERNOON SESSION.  
 SLINGS AND ARROWS.  
 Speakers: "AU FAIT."  
 MRS. M. CALLAWAY MAHOOD.  
 THE STUDIO ORCHESTRA,  
 HUXHAM'S SERENADERS,  
 MILES HASTINGS, Elocutionist.  
 MAGGIE FOSTER, Violin.  
 Announcer..... ALFRED ANDREW.  
 Accompanist..... AGNES FORTUNE.  
 2 p.m.—STUDIO ORCHESTRA:  
 "Barber of Seville."  
 2.10 p.m.—"AU FAIT" of Messrs. Buckley and  
 Nunn Ltd., will give a "Fashion Talk."  
 2.25 p.m.—HUXHAM'S SERENADERS:  
 Quartet, "My Indian Moon."  
 Edith Huxham, Dolly Burdett, Renn Miller,  
 Hugh Huxham.  
 Contralto solo, "The Fairy Pipers."  
 Dolly Burdett.  
 Studio Orchestra, "A Nell Gwynn Dance"  
 (German).  
 Duet, "Kiss Me Pretty."  
 Hugh and Edith Huxham.  
 Tenor, "Always," as sung by various people.  
 Hugh Huxham.  
 Studio Orchestra, "A Nell Gwynn Dance"  
 Operatic Quartet, "Carissima"  
 The Serenader Quartet.  
 2.55 p.m.—STUDIO ORCHESTRA:  
 "Danse des Sylphes."  
 3 p.m.—MILES HASTINGS:  
 "A Man's Repentance."  
 3.1 p.m.—MAGGIE FOSTER, Violin:  
 "Popular Choruses."  
 3.17 p.m.—STUDIO ORCHESTRA:  
 "Elsa's Dream" from Lohengrin (Wagner).  
 3.27 p.m.—MRS. M. CALLAWAY MAHOOD:  
 "Art in Modern Life."

4.45 p.m.—"Herald" news service. Stock Ex-  
 change information.  
 6 p.m.—Close down.

#### EVENING SESSION.

6.40 p.m.—CHILDREN'S HOUR. Answers to  
 letters and birthday greetings.  
 6.55 p.m.—BETTY BEVAN, Soprano:  
 "The Big Man."  
 "Little Baby Beat."  
 7.2 p.m.—"BILLY HUNNY" will tell a story  
 just for the little ones.  
 7.42 p.m.—MAGGIE FOSTER has two dear  
 little pieces to play on her violin for the  
 children.  
 7.50 p.m.—BETTY BEVAN, Soprano:  
 "Goldfish."  
 "If no one ever marries me."  
 7.57 p.m.—"BILLY HUNNY" will continue.  
 "The Queen Bee."  
 "The Black Princess."  
 8.35 p.m.—"Argus" and "Herald" news serv-  
 ices. Weather synopsis. Shipping move-  
 ments.  
 9.10 FRIDAY 25th FEBRUARY, 1927.  
 9.47 p.m.—Stock Exchange information.  
 9.52 p.m.—Fish market reports by J. R. Bor-  
 rett Ltd.  
 9.58 p.m.—River reports by the Victorian  
 10.05 p.m.—Market report by the Victorian  
 Producers Co-operative Co. Ltd., Haymarket  
 sheep sales. Poultry, Grain, Hay, Straw,  
 Juice, Dairy Produce, Fats and Oils and  
 10.15 p.m.—Market prices of Oranges and  
 Lemons by the Victorian Central Citrus  
 Association Pty. Ltd.  
 Fruit market reports by the Victorian  
 Fruitgrowers' Association, compiled by the  
 "Fruit World," exclusive to 3LO.

#### NIGHT SESSION.

"In this we hope you'll find  
 Something for all mankind.  
 What pleasure me mayhap  
 Will not please you—  
 We aim to please the many, not the few."  
 Speakers: MR. H. K. LOVE,  
 "CARDIGAN,"  
 MR. H. K. LOVE,  
 MR. H. R. WEIR.  
 THE STUDIO ORCHESTRA,  
 NORMAN BRADSHAW, Tenor,  
 MOANA LUA DIO,  
 WILL HILL, Comedian,  
 JONES AND RAINE,  
 HUXHAM'S SERENADERS,  
 OSBORNE AND FERRYER,  
 COLLINGWOOD CITIZENS' BAND,  
 Conductor Mr. F. C. Johnston.  
 JOE ARONSON and HIS SYM-  
 PHONISTS.  
 Announcer..... MAURICE BUDLEY.  
 Accompanist..... AGNES FORTUNE.  
 7.15 p.m.—Under the auspices of the Depart-  
 ment of Agriculture, MR. H. A. MULLET,  
 Superintendent of Agriculture,  
 "Summer Farming for Wheat."  
 7.30 p.m.—STUDIO ORCHESTRA:  
 "Like Time" second selection (Schubert).  
 7.40 p.m.—NORMAN BRADSHAW, Tenor:  
 "Quæstio quæstio" Ripoleto (Verdi).  
 7.47 p.m.—MOANA LUA DIO:  
 "Alaba White."  
 "Kacka Kacka."  
 7.57 p.m.—WILL HILL, Comedian:  
 "The School Teacher."  
 "Toodie-toodie-ay."  
 8 p.m.—COLLINGWOOD CITIZENS' BAND:  
 Overture, "Gallop of Baghdad."  
 March, "The Victor's Return."  
 8.15 p.m.—JONES AND RAINE:  
 Rhyme, "Fishes."  
 Duet, "When Federzoni Plays."  
 "Melodrama at the Piano."  
 8.30 p.m.—STUDIO ORCHESTRA,  
 Suite, "From India" (Popp).  
 8.40 p.m.—HUXHAM'S SERENADERS:  
 Quartet, "Auldrie."  
 Edith Huxham, Dolly Burdett, Renn Miller,  
 Hugh Huxham.  
 Soprano solo, "A Heart that's Free"  
 Edith Huxham.  
 8.55 p.m.—HUXHAM'S SERENADERS:  
 Studio Orchestra:  
 "Kala Hala" French Comedy Overture.  
 Duet, "The Parsons of Bude."  
 Renn Miller and Hugh Huxham.

Base solo, "The Lowland Sea."  
 Ren Miller.  
 Studio Orchestra,  
 "Phariz's Chorus" (Tannhauser).  
 Japanese Musical Scene:  
 "In Fair Japan."  
 Serenader Quartet.  
 9 p.m.—COLLINGWOOD CITIZENS' BAND,  
 Duet, "A Night in Venice."  
 J. Bramwell and T. Murphy.  
 Fox-Trot, "Barcelona."  
 9.10 p.m.—OSBORNE AND FERRYER in  
 "The Duettron."  
 9.25 p.m.—MR. H. K. LOVE will speak on  
 "Technicalities."  
 9.32 p.m.—THE MOANA LUA DIO:  
 "Yastika Kadie Koo."  
 "Smiles, then Kisses."  
 9.42 p.m.—NORMAN BRADSHAW, Tenor:  
 "The Sea Grays" (Willeby).  
 "An Old Fashioned Tune" (Senior).  
 9.50 p.m.—MR. H. R. WEIR will speak on  
 the Victorian Track and Field Games  
 Championship.  
 10 p.m.—JOE ARONSON AND HIS SYMCO-  
 SYMPHONISTS:  
 "Nobody but You" (O'Hagan).  
 "Lonesome and Sorry" (Conrad).  
 "Crying for the Moon" (Canley).  
 10.10 a.m.—WILL HILL, Comedian:  
 "Archie" Stealing Song.  
 "Can I Come In."  
 10.27 p.m.—STUDIO ORCHESTRA:  
 "Greenland Suite."  
 Sporting Editor, "Mr. H. A. Wolfe,  
 Sporting Editor of the "Argus" and "Aus-  
 tralian" will speak on tomorrow's Race.  
 10.37 p.m.—COLLINGWOOD CITIZENS'  
 BAND:  
 Part Song, "Sweet and Low."  
 10.42 p.m.—"Argus" news service. Meteorol-  
 ological information. Road notes, supplied  
 by the Automobile Club of Victoria. British  
 official wireless news. Announcements.  
 11 p.m.—OUR GREAT TROUGHT.  
 "Discontent is the source of all trouble, but  
 also of all progress in individual and in  
 national life."  
 11.1 p.m.—JOE ARONSON AND HIS SYMCO-  
 SYMPHONISTS:  
 "Rendez (Nirbela).  
 "I Never saw a Pal like You."  
 (O'Hagan).  
 "Sweet Hawaiian Sands" (O'Hagan).  
 "Oh Miss Hannah" (Deppin).  
 "Love Bonds" (Rags).  
 "That's why I love you" (Donaldson).  
 "Good-night, I'll see you in the morning."  
 "Where Did You Get Those Eyes"  
 (Donaldson).  
 "I'll Climb the Highest Mountain" (Brown).  
 "Give Me Today."  
 "Goodnight Song."  
 11.40 p.m.—GOD SAVE THE KING.

### 4QG, BRISBANE

Queensland Radio Service.

Wave Length, 395 Metres.

Friday.

MIDDAY SESSION.  
 1 p.m.—Market reports, weather information,  
 "The Daily Mail" and "The Daily Standard"  
 news.  
 1.15 p.m.—From Hotel Carlton: Lunch music  
 from the Lounge of the latter. Hotel Carlton  
 Hotel Carlton Symphony Orchestra.  
 1.45 p.m.—From the Observatory. Standard  
 time signal.  
 2 p.m.—Close down.  
 AFTERNOON SESSION.  
 3.30 p.m.—From Hotel Carlton: Afternoon  
 Tea music from the Lounge. Hotel Carlton  
 Hotel Carlton Symphony Orchestra.  
 4.15 p.m.—From the Studio: "The Telegraph"  
 news.  
 4.30 p.m.—Close down.  
 EARLY EVENING SESSION.  
 6 p.m.—"Daily Standard" news, weather in-  
 formation, announcements.  
 6.30 p.m.—Bedtime Stories by "The Bandman"

# FACTS

ABOUT

## Impedance of Audio Frequency Transformers

THE FAMOUS

# FERRANTI

BRITISH MADE

## TRANSFORMER

TYPE AF3

Has the following Impedances:

AT 100 PERIODS . . . 50,000 OHMS.

AT 500 PERIODS . . . 410,000 OHMS.

*No better Transformer is available at any price.*

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WEDMA LIMITED, Adelaide.

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- (a) Amplification with any valve and transformer depends greatly on the transformer impedance; the higher the transformer impedance the better the reproduction, particularly of the lower notes.

HENCE IT IS UNNECESSARY TO VARY THE IMPEDANCE OF THE TRANSFORMER TO MATCH THAT OF THE VALVE USED; ON THE CONTRARY, THE HIGHEST POSSIBLE TRANSFORMER IMPEDANCE SHOULD BE USED AT EVERY STAGE.

- (b) IMPEDANCE DEPENDS ON FREQUENCY, AND TO STATE TRANSFORMER IMPEDANCE WITHOUT STATING THE FREQUENCY AT WHICH IT IS MEASURED CONVEYS NOTHING.

A good transformer has a high impedance even at low frequencies to reproduce low notes satisfactorily. A transformer may have a high impedance at a comparatively high frequency, say, 500, and yet be a bad transformer because the whole range of male and female speaking voices, as well as most of the fundamental musical notes, are at frequencies below 500.



C.T.P. 285.

No. 1. by Professor Godbard.
7.30 p.m.—Weather news, announcements.
7.45 p.m.—Standard time signal.

NIGHT SESSION.

7.45 p.m.—Lecture Session—A talk arranged by the Workers' Educational Association.
8 p.m.—STUDIO CONCERT. Overture, "King Rose" (Bernard), the Postal Institute Orchestra (conductor, Mrs. Viv. Thelma), contralto solo, "Abide with Me" (Lindsay), Mrs. Charles Wiley, with organ accompaniment, fast-trot, "In Your Green Hat," the Postal Institute Orchestra; pianoforte solo—(a) waltz (H. Scott MacCallum), (b) descriptive study (H. Scott MacCallum), Mrs. Hilda Woodmer, baritone solo, "Clavichord" (Hokey), Mr. A. V. James, orchestral numbers—(a) "Silver Sand of Walkin'" (Smalls), (b) "A Climb the Highest Mountain" (Brown), the Postal Institute Orchestra; interlude, "The Divine Spark" Episode No. 3, "The Story of the S.S. Sumatra", soprano solo, "The Jewel Song from 'Fuzat'" (Gosnell), Mrs. Robt. Hall, savante, "The Magician" (Fairland), the Postal Institute Orchestra; soprano solo, "My Dreamland Run" (Phillips), Miss Jean McDougall.
9 p.m.—Metropolitan weather forecast. Cornet solo, "At Sunset" (Code), Mr. J. W. Burmester; contralto solo, "The First of May" (Martin), Mrs. Charles Wiley; fox trot, "That Night in Araby" (Shuster), the Postal Institute Orchestra; baritone solo, "Fair House of Jew" (Gutter), Mr. A. V. James; cornet solo, "My Lodging in on the Cold Ground" (Bimmer), Mr. J. W. Burmester; soprano solo, "Arie Lucie" (arr. Iva Lehman), Mrs. Robt. Hall; waltz, "Zouza" (Arnold), the Postal Institute Orchestra; soprano solo, "The Swallows" (Cowan), Miss Jean McDougall; march, "Repease Band" the Postal Institute Orchestra.
10 p.m.—"The Daily Mail" news, weather news.
Close down.

5CL, ADELAIDE

Central Broadcasters, Ltd.
Wave Length, 395 Metres.

Friday.

MORNING SESSION.

11.00 a.m.—G.P.O. chimes.
11.31 a.m.—Stock Duo Art number.
11.45 a.m.—"Advertiser" news service.
12.05 a.m.—Voedion number.
12 noon—G.P.O. chimes.
12.11 p.m.—"Advertiser" news service.
12.16 p.m.—Stock Duo Art number.
12.29 p.m.—Market reports, official weather synopsis and station announcements.
12.30 p.m.—G.P.O. Chimes.
12.31 p.m.—Studio "Duo-art" Overture, "Martha" (with wish not were music of me); fox trot, "I've got blackbird"; Original "Chang" collection, "Oh, Lady, lady" violin solo, "Londonderry Air" suite, "Vive la dance", overture, "Lancers", "L'Adieu de pierrot"; finale, "Schubertiana".
2 p.m.—Chimes and close down.

AFTERNOON SESSION.

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

EVENING SESSION.

6.30 p.m.—G.P.O. chimes.
6.31 p.m.—Stock Duo Art number.
6.45 p.m.—Broadcast stories.
7.28 p.m.—G.P.O. chimes

7.40 p.m.—Market report by Messrs. S. G. Ward and Co., A. E. Hall & Co., A. W. Stanford and Co., Dalrymple & Co., B. A. Farmers' Co-operative Union.
7.40 p.m.—Sporting talk by "Stanley".
8 a.m.—G.P.O. chimes.
8.15 p.m.—Relay from Malcolm Field's.
8.45 p.m.—Song, Miss Linda Wald.
8.49 p.m.—Relay from Messrs. Malcolm Reid and Co.—Orchestral numbers.
8.51 p.m.—Tenor solo, Mr. Chas. Haggott.
8.41 p.m.—Relay from Messrs. Malcolm Reid and Co.—Orchestral numbers.
8.43 p.m.—Soprano solo, Miss Minnie Turner.
8.49 p.m.—Relay from Messrs. Malcolm Reid & Co.—Orchestral numbers.
9 p.m.—G.P.O. chimes.
9.1 p.m.—Weather report.
9.15 p.m.—Dakota's wheat report.
9.0 p.m.—Overture, SCL Orchestra.
9.11 p.m.—Song, Miss E. Lampe.
9.13 p.m.—Premier's (Hon. L. L. Hill) policy speech.
9.30 p.m.—Selection, SCL Orchestra.
9.40 p.m.—Song, Miss Linda Wald.
9.44 p.m.—Cornet solo, Mr. Vern Rogers.
9.45 p.m.—Tenor solo, Mr. Chas. Haggott.
9.42 p.m.—Selection, SCL Orchestra.
10 p.m.—G.P.O. Chimes.
10.1 p.m.—Advertiser news service.
10.2 p.m.—Song, Miss E. Lampe.
10.23 p.m.—Selection, SCL Orchestra.
10.30 p.m.—Cornet solo, Mr. Chas. Haggott.
10.34 p.m.—Cello solo, Mr. Ted Williams.
10.35 p.m.—Song, Miss Minnie Turner.
10.42 p.m.—Selection, SCL Orchestra.
10.50 p.m.—Song, Miss Linda Wald.
10.54 p.m.—Tenor solo, Mr. Chas. Haggott.
10.55 p.m.—Station announcements.
11 p.m.—G.P.O. chimes and close down.

6WF, PERTH

Westralian Farmer's.
Wave Length, 1250 Metres.

Friday.

12.25 p.m.—Time 10.
12.28 p.m.—First local news bulletin.
Market reports.
Cables.
1 p.m.—Time signal from the Perth Observatories.
1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—STUDIO QUINTETTE:
March: "No Surrender" (Morlock).
Valse: "Idéal" (Bongueux).
Overture: "Princess" (Willard).
"La Petite Marmuse" (Demaregny).
Selection: "Bois" (Simeau).
Caprice: "Caprice" (Ancliff).
2 p.m.—Close down.
2.30 p.m.—Time 10.
2.35 p.m.—Musical programme.
4.00 p.m.—Close down.
7 p.m.—Time 10.
7.5 p.m.—Musical evening for the Kiddies by Auld Evelyn and Ethel Henry, Leslie, Percy, Duffy, and Rag.
10 p.m.—Shed and share intelligence.
Market reports.
Cables. News supplied by courtesy of "The West Australian" Newspaper Co.
8 p.m.—Time signal from Perth Observatories.
9 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
9.45 p.m.—Talk "Birds of Paradise" by Mr. F. Lawson-Whitlock.
9.15 p.m.—POPULAR NIGHT.
Musical programme, including articles.
9.30 p.m.—Talk "My Impressions of South Africa" by Colonel H. Pope, G.B., V.D., M. Inst. T.
10 p.m.—Sound local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.
10.50 p.m.—Close down.

Sat., February 26
2BL, YONNY

EARLY MORNING SESSION.

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

MORNING SESSION.

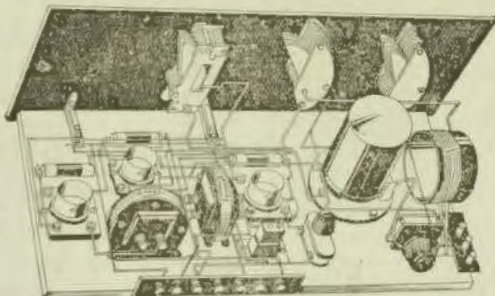
Racing information broadcast by courtesy of the "Sun".
11 a.m.—G.P.O. Clock and Chimes.
11.1 a.m.—Weather report and forecast by courtesy of the "Sun" Newspaper.
11.4 a.m.—Sydney Daily Telegraph News Service.
11.20 a.m.—Women's Session conducted by Mrs. Jordan—Special Notes.
11.55 a.m.—Mrs. Jordan replies to correspondents.
12.05 a.m.—Talk on "Simple cooking for children" by Mrs. Jordan.
12 p.m.—Musical programme from the studio.
12.15 p.m.—News from the Sun (table Edition).
12.20 p.m.—G.P.O. Clock and chimes.
12.21 p.m.—London Mail Questions.
12.25 p.m.—Hints in call by wireless.
12.35 p.m.—Weather report and forecast.
12.57 p.m.—Shipping information—arrivals and departures.
13.40 p.m.—Information re Interstate and Overseas Mail.
14.20 p.m.—News from the "Sun".
10 p.m.—G.P.O. Clock and chimes.
1.1 p.m.—Musical programme from the studio.
1.15 p.m.—News from the "Sun".
1.20 p.m.—G.P.O. Clock and chimes.
1.31 p.m.—Musical programme from the studio.
1.40 a.m.—Talk on sporting and athletic fixtures for the day. Lacrosse, hockey, golf, bowls, tennis, baseball. During the afternoon sporting information will be broadcast by courtesy of the "Sun" Newspaper.
Racing returns will be broadcast every half-hour. Musical programme from the studio during the afternoon.
2 p.m.—G.P.O. Clock and chimes. Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and chimes.
5.46 p.m.—Doris George and the Kiddies.
5.49 p.m.—Musical programme from the studio.
6.15 p.m.—Result of all sporting information including racing, bowls, tennis, swimming, sailing, athletics, by courtesy of the "Sun".
7.30 p.m.—Country News from the Sun and results of all sporting and athletic fixtures.
7.40 p.m.—Talk on "Australian Poetry" by Mr. A. G. Stenham.
8 p.m.—G.P.O. Clock and chimes.
Broadcasters' topical chorus.
8.3 p.m.—King's Mandolin (orchestra).
8.10 p.m.—Mr. C. Glyn (tenor).
9.17 p.m.—Miss Ida Leggett (soprano).
9.24 p.m.—Mr. Dick Matthews (light baritone).
9.31 p.m.—Miss Marion Lightfoot (novelty instrumental).
9.41 p.m.—Mr. William Ewerard (Tenor).
9.48 p.m.—Miss Heather Kinnaird, (contralto).
9.55 p.m.—Reviews of following day's programme weather report and forecast by courtesy of Mr. C. 2. Metro, Govt. Meteorologist.
9 p.m.—G.P.O. Clock and chimes.
9.1 p.m.—King's Mandolin (orchestra).
9.4 p.m.—Mrs. Hilda Davis (soprano).
9.15 p.m.—Drs. Miss Ida Leggett and Mr. William Ewerard.
9.20 p.m.—Mr. Walter Champney (comedian).
9.27 p.m.—Mr. C. Glyn.
9.35 p.m.—Miss Ida Leggett.

Here's a Price List of Parts  
FOR THE  
**SCREENED COIL RECEIVER**

Issued in last week's "Wireless Weekly"



This working model, actually constructed from parts and accessories from David Jones' Radio Department, is now on display there at 22 York Street. See it immediately. It is an excellent example of a selective three-valver, giving unexpected results.

These high grade parts are all obtainable at David Jones' Radio Shop and panels will be drilled free of charge and all advice and assistance given to the construction.

1-Radiion or Dilecto Panel, 20in. x 7in. x $\frac{1}{2}$ in. or $\frac{3}{4}$ in., $\frac{1}{4}$ th panel . . .	10/3
2-.0005 Emcco S.L.F. Condensers, 15/- each . . . . .	30/-
1-.0003 Pilot Condenser . . . . .	10/6
1-D.C. Filament Control Jack . . . . .	3/6
1-S.C. Filament Control Jack . . . . .	2/9
1 to 1 Emcco Audio Transformer. . . . .	21/-
1-3 $\frac{1}{2}$ to 1 Emcco Audio Transformer. . . . .	21/-
1-Fixed Coupling Plug . . . . .	3/-
3-Amperites, to suit Valves, 7/6 each, . . . . .	22/6
1-Advance Neutralizing Condenser, 4/6 2-inch length of 3-inch diameter Radiion or Dilecto Tubing, . . . . .	2/-

1-Bradleyleak . . . . .	15/-
3-Valve Sockets, 3/- each . . . . .	9/-
3-Emcco Vernier Dials, 9/6 each, 28/6 1-.00025 Grid Condenser . . . . .	2/6
1-Terminal Board with 7 terminals, 3/6 1-Terminal Board with 3 terminals, 1/6 1-dozen Busbars . . . . .	1/6
6-inches of electric light flex . . . . .	4d.
1-Battery Clip . . . . .	6d.
1-Baseboard, 19-in. x 9-in. x $\frac{1}{2}$ -in, 2/6 1-Screened Coil, of split primary type . . . . .	14/6
4-oz. No. 30 D.C.C. Wire . . . . .	1/9

Total £10/12/1

**DAVID JONES'**

For Service

Radio Dept.: 22 York Street, Sydney.

9.41 p.m.—Mr. Dick Matthews  
 9.44 p.m.—Mr. William Everard  
 9.48 p.m.—Miss Heather Kinnaird  
 10.2 p.m.—Mr. Walter Chambers  
 10.8 p.m.—The Ambassadors Dance Band broadcast from the Ballroom of the Ambassadors. During the intervals between dances news reports by courtesy of the "Sun" will be broadcast.  
 12 midnight.—G.P.O. Clock and chimes.  
 National Anthem.

## 2KY, SYDNEY

### Saturday

#### EVENING SESSION.

7.15 p.m.—Sporting features. Complete review of to-day's racing. MR. A. E. POWELL.  
 7.50 p.m.—News items and late sporting results.  
 8 p.m.—Pianoforte solo: MISS ALMA HAUGHEY.  
 8.10 p.m.—SKETCH: MISS VOELSKOW AND BOB COBURN.  
 8.30 p.m.—Musical interlude. Glaciarium Dance Orchestra. Billy Romaine, leader. (By kind permission of GEO. IRVING.)  
 9 p.m.—Recital: MR. BOB COBURN.  
 9.15 p.m.—LABOR LEGISLATION SERIES; MR. J. C. ELDRIDGE.  
 9.30 p.m.—Sporting feature. From the track of the Speedway Royal. Description and results of motor cycle racing.  
 9.40 p.m.—Humorous odds and ends: MR. HERBERT BRAUER.  
 9.50 p.m.—From the Speedway Royal.  
 10 p.m.—Glaciarium Dance Orchestra. (Billy Romaine, leader). By kind permission of GEO. IRVING.  
 10.20 p.m.—Closing Announcements.

## 3LO, MELBOURNE

### Saturday

#### MORNING SESSION.

"We read some news.  
 Some extracts from Reviews.  
 We wait the Muse  
 And hope you will exhaust."  
 (That's simply awful,  
 But we've done our best.  
 It's up to you to do the rest.)  
 THE STUDIO ORCHESTRA:  
 JACK DUNNE, baritone.  
 MAGGIE FOSTER, violin.  
 BREW AND ROMAINE.  
 JONES AND RAINE.  
 HUXHAM'S SERENADERS.  
 WILL HILL, comedian.  
 Announcer..... MAURICE DUDLEY  
 Accompanist..... AGNES FORTUNE  
 11 a.m.—STUDIO ORCHESTRA:  
 "Romance" (Rubenstein).  
 "Minuet" (Schubert).  
 11.10 a.m.—JACK DUNNE, baritone (by permission of J. C. WILLIAMS, Ltd.):  
 "Ship Mate's Mine" (Banerjee).  
 "The Old Flagged Path" (Aristatele).  
 11.17 a.m.—MAGGIE FOSTER, violin:  
 "Liebesleid".  
 11.22 a.m.—BREW AND ROMAINE:  
 "In Originities".  
 11.32 a.m.—STUDIO ORCHESTRA:  
 "Andalusia Suite".  
 11.42 a.m.—JONES AND RAINE:  
 Song, "Brazilian Lullaby".  
 Duet, "Ten Little Bridesmaids".  
 11.52 p.m.—STUDIO ORCHESTRA:  
 Selection, "Old Dutch".  
 12 noon.—Time Signal. British Official Wireless news from Bugby, Buffalo and the Australian Press Association Cables "Argus" and "Herald" news services. Shipping intelligence.  
 12.15 p.m.—Stock Exchange information.  
 12.20 p.m.—STUDIO ORCHESTRA:  
 "The Avellan" (Mozart).  
 12.30 p.m.—HUXHAM'S SERENADERS:  
 "Quarante" (The Switbank).  
 "The Congo Moon".  
 Edith Huxham, Dolly Burdett, Rena Miller, Hugh Huxham.  
 Tenor Solo: "Stella." Huxham Huxham.  
 Studio Orchestra:  
 "Two Indian Love Lyrics."

Novely Quartet, "My Cowboy Girl."  
 THE SERENADER QUARTET.  
 Song, "Marmalade".  
 EDITH HUXHAM.  
 Studio Orchestra, "Ten Indian Love Lyrics."  
 Operatic Quartet, "Softly Awake My Heart." THE SERENADER QUARTET.  
 1 p.m.—Description of Pineapple Plantation Races, by "Market," of the "Sporting Globe".  
 1.5 p.m.—STUDIO ORCHESTRA:  
 "Naavare" (Gounod and Handel).  
 1.15 p.m.—WILL HILL, will tell you a couple of funny stories.  
 1.22 p.m.—Musical recitals.  
 1.30 p.m.—MAGGIE FOSTER, violin in old-time melody.  
 1.35 p.m.—Description of St. Leon Stakes, Flemington Races, by "Market," of the "Sporting Globe".  
 1.40 p.m.—JACK DUNNE, baritone:  
 "The Smoking Room" (Acropolis).  
 "Are You There" (Aristatele).  
 1.47 p.m.—STUDIO ORCHESTRA:  
 "Spanish Gypsy Dance" (Mozart).  
 2 p.m.—Close down.  
 2.10 p.m.—Description of Flemish Stakes, Flemington Races, by "Market," of the "Sporting Globe".

#### AFTERNOON SESSION.

THE SPORT OF KINGS, WITH INTERVALS OF SANITY (I).  
 JOE ARONSON AND HIS SYNOCRATING SYMPHONISTS.  
 3 p.m.—JOE ARONSON AND HIS SYNOCRATING SYMPHONISTS:  
 "Give us Tosses" (Bis).  
 "Are You There" (Aristatele).  
 "Purcell."  
 "Say that You Love Me" (Nicolai).  
 "How Could Red Riding Hood" (Kamibols).  
 3.15 p.m.—Description of Newmarket Handicap, Flemington Races, by "Market," of the "Sporting Globe".  
 3.20 p.m.—Description of Victorian Track and Field Games Championships, transmitted from the Motorhome, by "Olympia".  
 3.40 p.m.—JOE ARONSON AND HIS SYNOCRATING SYMPHONISTS:  
 "J'accuse" (Bis).  
 "St. Louis Blues" (Harley).  
 "Moonlight on the Ganges" (Meyer).  
 "Bachelors" (Lewinsky).  
 3.55 p.m.—Description of Nine Producers Stakes, Flemington Races, by "Market," of the "Sporting Globe".  
 4 p.m.—Description of Victorian Track and Field Games Championships transmitted from the Motorhome, by "Olympia".  
 4.10 p.m.—JOE ARONSON AND HIS SYNOCRATING SYMPHONISTS:  
 "Laughing at the Doctor" (Harter).  
 "No Pooin" (Nicolai).  
 "Pearl of Malabar" (Gounod).  
 "After I see You Sorry" (Young).  
 "In a Little Spanish Town."  
 "Speech".  
 4.30 p.m.—Description of Hymersville Stakes, Flemington Races, by "Market," of the "Sporting Globe".  
 4.35 p.m.—Description of Victorian Track and Field Games Championships, transmitted from the Motorhome, by "Olympia".  
 4.45 p.m.—"Herald" news service. Stock Exchange information.  
 5 p.m.—Description of Victorian Track and Field Games Championships, transmitted from the Motorhome, by "Olympia".  
 5.15 p.m.—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.—BREW AND ROMAINE, in "Fun and Fanny".  
 6.5 p.m.—"Little Miss Kookaburra" will tell her little Kookaburra sisters and brothers another "Mogony" story. You all know it so listen and see if you can guess what it is.  
 6.15 p.m.—BREW AND ROMAINE will try to be serious.  
 6.20 p.m.—"Little Miss Kookaburra" will give the second instalment of "Carol of Holy Wood School".

6.55 p.m.—"Argus" and "Herald" news services. Weather information. Aerial information, by the Australian Aerial Services, Ltd.  
 6.44 p.m.—Stock Exchange information. Overseas shipping.  
 6.57 a.m.—Fish market reports by J. R. Barrett, Ltd.  
 6.55 p.m.—River reports.  
 6.58 p.m.—Market reports by the Victorian Producers Co-operative Co. Ltd. Haymarket sheep sales. Poultry, veal, chaff, hay, straw, etc. Dairy produce, fruit and onions. Market prices of oranges and lemons by the Victorian Central Citrus Association Pty. Ltd. Fruit market reports by The Victorian Fruit Association, conducted by "The Fruit World," exclusive to 3LO.

#### NIGHT SESSION.

HISTORICAL.  
 Speakers:  
 Mr. E. A. GOLLAN, Mr. E. F. FRESCOTT, Mr. E. E. DYASON.  
 BRUNSWICK CITY BAND.  
 Conductor, Mr. Hugh Niven.  
 JONES AND RAINE.  
 HUXHAM'S SERENADERS.  
 J. ALEXANDER BROWNE, baritone.  
 VICTORIAN RAILWAYS INSTITUTE DRAMATIC SOCIETY.  
 GLEN AND JOHNSON.  
 JOE ARONSON AND HIS SYNOCRATING SYMPHONISTS.  
 Announcer..... ALFRED ANDREW  
 Accompanist..... AGNES FORTUNE  
 7.15 p.m.—Mr. E. A. GOLLAN:  
 "Working through College in U.S.A."  
 7.30 p.m.—Mr. E. F. FRESCOTT:  
 "Australian Water-tubing and other Water Plants".  
 7.45 p.m.—"Under the auspices of the Institute of Pacific Relations, Mr. E. DYASON:  
 "Industrialization of the Far East."  
 "Outlining his own line."  
 7.50 p.m.—BRUNSWICK CITY BAND  
 Selection, "March of the British" (Bismarck).  
 8.10 p.m.—JONES AND RAINE:  
 Song, "Put your Mouth"  
 Duet, "You don't Want Me"  
 Humorous item, "See, My Darling Patric"  
 8.25 p.m.—THE WINNER THEATRE, THE 3LO BUILDING for the Three Mile Swim in the Yarra, will speak to you.  
 8.30 p.m.—HUXHAM'S SERENADERS:  
 Quartet, "Pie, Pie, Toast, Toast."  
 Edith Huxham, Dolly Burdett, Rena Miller, Hugh Huxham.  
 Bass Solo, "Songs of Childhood."  
 Rena Miller.  
 Studio Orchestra:  
 "La voix des cloches."  
 Duet, "Stay Tucked" (Cavalleria Rusticana).  
 Bill and Edith Huxham.  
 Humorous item:  
 "Songs and their singers."  
 Rena Miller, Hugh and Edith Huxham.  
 Studio Orchestra:  
 "St. Anne Eve" (Satie) (Coleridge-Taylor) Operatic Quartet, from "Dorothy".  
 8.52 p.m.—GLEN AND JOHNSON, Two Hymenite Lads, Loaded with Laughs will entertain you from their dressing-room at the Royal Theatre, by permission of J. C. WILLIAMS.  
 9.25 p.m.—VICTORIAN RAILWAYS INSTITUTE DRAMATIC SOCIETY:  
 "A Night of Horror".  
 He..... J. Alexander Browne  
 She..... Winifred Mowbray  
 9.35 p.m.—BRUNSWICK CITY BAND.  
 March, "On the Quarter Deck" (Alford).  
 "Tendons" (The Switbank) (Sullivan).  
 Soloist, Arthur Ford.  
 9.45 p.m.—J. ALEXANDER BROWNE, baritone:  
 "Here we go Winds and Waves" (Handel).  
 "Star of Kyo" (Tannhauser).  
 9.52 a.m.—OSBORNE AND PERRYER:  
 "Stanzas from Keats-day Life".  
 10.2 p.m.—HUXHAM'S SERENADERS.  
 Meteorological information.  
 10.12 p.m.—BRUNSWICK CITY BAND.  
 Cornet, "The Nightingale" (Mouss).  
 10.20 p.m.—VICTORIAN RAILWAYS INST.



# Valves with the Wonderful P.M. Filament

THE wonderful P.M. Filament offers you three times more for your money. It is so tough that even after 1,000 hours' life it can be tied in knots and cannot be broken except by the very roughest handling—result, safety against accidents.

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All Mullard Valves are made at the Mullard Works, Balham, London, England.

(ARKS.7.)

Advertisement of the Mullard Wireless Service Co., Ltd., "Mullard House," Denmark Street, London, W.C.2, ENGLAND.

A REPRESENTATIVE OF SYDNEY BROADCASTING STATION, 2BL, WILL BE IN ATTENDANCE AT EXHIBITION.



Sunday, February 27  
2FC, SYDNEY

MORNING SESSION.

- 10.35 a.m.—Programme announcements.
- 11 a.m.—"Big Ben." FROM ST. STEPHEN'S PRESBYTERIAN CHURCH, PHILLIP STREET, SYDNEY. The Morning Service. Preacher, The Rev. Hugh Paton.
- 12.15 a.m.—FROM THE STUDIO. News service.
- 12.30 a.m.—Close down.

AFTERNOON SESSION.

- 2.25 a.m.—Programme announcements.
- 2.37 p.m.—FROM THE TECHNOLOGICAL MUSEUM, SYDNEY, and transmitted for the first time, a description of the famous "Striding" clock, together with the effects of the working of the clock. This will be described by the inventor, Mr. R. E. Smith.
- 2.59 a.m.—FROM THE SAND ROTUNDA, MARSH BEACH—a programme by the British Municipal Band, conducted by Mr. J. Phelan.
- March, "The Gay Gilgamesh" (Balfour).
- April, "Jesu, Lover of My Soul" (Dyke).
- May, "Johannes" (Gump).
- June, "Whispering Leaves" (Wald).
- September, "Our Halls in March" (Vand).
- INTERVAL.
- Selection, "Wicks" (Schubert).
- Fun, "Till" (Brahm).
- Waltz, "Good Night" (Horn).
- March, "Caheret Capers" (Alton).
- 3 a.m.—Close down.

NIGHT SESSION.

- 6 a.m.—"The Sun" and programme announcements.
- 6.30 p.m.—An Organ and Vocal Recital, arranged by Mr. Christian Dehmann, and broadcast from the Congregational Church, Petrolina.
- 7.15 p.m.—Evening Service, from the Presbyterian Congregational Church.
- 7.35 p.m.—Evening Service from the Presbyterian Congregational Church. Preacher, Rev. A. J. Jones.
- 7.55 p.m.—INTERVAL.
- 8.30 p.m.—FROM THE BOND BEACH BAND ROTUNDA—a programme by the Bond Beach Concert Band (Members of the 1927 Bond Beach Band). Conductor, Mr. W. Parlington.
- 9 p.m.—National Anthem.
- 9.30 a.m.—Close down.

2BL, SYDNEY

- Sunday.
- 10.45 a.m.—Special News Service.
- 12 a.m.—Service broadcast from Chalmers Presbyterian Church.
- 2.30 p.m.—Concert from the studio.
- 4.45 p.m.—"The Sun" also conducted by Mr. W. "Candy" Bradley.
- 5.30 p.m.—Close down.
- 8.45 p.m.—Children's Service conducted by Uncle George.
- 7 p.m.—Service broadcast from St. John's Church, Randwick.
- 8.30 p.m.—From the studio, Mr. Clem Williams (Abandon).
- 9.35 p.m.—Propagatory Trio.
- 9.45 p.m.—Miss Ethel Friend (overcast).
- 9.55 p.m.—Resume of following day's programme, weather report and forecast by courtesy of Mr. C. J. Myers, Govt. Meteorologist.
- 10 a.m.—G.P.O. Chimes and rhimes.
- 10.15 p.m.—Miss Helma Stewart (overcast).
- 10.30 p.m.—Mr. Bryan Carter (Galilee).
- 10.35 p.m.—Mr. Marshall Lawrence (Dance unfinished).
- 10.45 p.m.—Broadway Trio.
- 10.55 p.m.—Mr. Clem Williams.
- 11.20 p.m.—Miss Helma Blair (violinist).
- 11.40 p.m.—Miss Helma Stewart.
- 12.05 a.m.—Mr. Marshall Lawrence.
- 12.15 p.m.—Broadway Trio.
- 12.15 p.m.—National Anthem.

- TUTE DRAMATIC SOCIETY:
- "The Stranger"..... J. Alexander Brown
  - Harry..... J. Winford Mowley
  - Delia (his wife)..... Bernard Lambie
  - Stranger..... E. Bernard Lambie
- 10.30 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
- "Dramming of Oaties in the Air" (Ward).
  - "To-night's My Night with Baby" (Meyer)
  - "Anny" (Brusil)
  - 10.45 p.m.—Mr. NORMAN McCANNE will give a resume of to-night's Studio. "Arges" news service. Announcements.
  - 11 p.m.—GUR GREAT THOUGHT:
  - "Enthusiasm is the breath of genius"..... Beaconsfield.
  - 11.1 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:
  - "Sunday" (Kreagen).
  - "Rose Colored Glasses."
  - "I Wish I Had My Old Gal Back Again" (Yellen).
  - "Calling Me Home" (Gibbert).
  - "The Village Blacksmith Owns the Village Now."
  - "By the Sign of the Rose" (Whiting).
  - "That's Why I Love You" (Donaldson).
  - "Am I Wasting My Time on You?"
  - "Just a Bird's Eye View."
  - "Beside a Garden Wall."

4QG, BRISBANE

- Saturday.
- NO MIDDAY TRANSMISSION.
- AFTERNOON SESSION.
- 8.25 p.m.—Tune in.
  - 8.30 p.m.—A Matinee for little listeners by Miss Warrath.
  - 9.15 p.m.—Close down.
- EARLY EVENING SESSION.
- 6.25 a.m.—Tune in.
  - 6.30 p.m.—The Children's Session—Stories by "Uncle Ben" and "Uncle Jim."
  - 7.15 p.m.—Sporting news.

- "Smiling Sun"; "Le chant des boulevardiers"; "Carnet solo"; "I see you calling me"; selection, "Nigoun"; serenade, "In a canoe"; one step, "Matador"; Avale, "Katrika".
- 11.55 p.m.—Ward and Co.'s Street Exchange gives official weather synopsis and station announcements.
- 12 p.m.—G.P.O. Chimes and close down.

EVENING SESSION.

- 8.30 p.m.—G.P.O. Chimes.
- 8.41 p.m.—Street Drum Art.
- 7.30 p.m.—Market Reports by Messrs. S. C. Ward and Co., A. W. Sandford & Co., A. F. Hall and Co., Dalrymple & Co., S. A. Farmers' Co-operative Union.
- 7.35 p.m.—Sporting results.
- 8 p.m.—G.P.O. Chimes.
- 8.1 p.m.—Contralto solo, Mrs. Hubert James.
- 8.4 p.m.—Violin solo, Mr. Eric McLaughlin.
- 8.8 p.m.—Recitation, Mr. George Whittle.
- 13.13 p.m.—Instrumental recital, Mr. A. F. Fyfe.
- 8.16 p.m.—Contralto solo, Mrs. C. M. Latchford.
- 8.22 p.m.—Soprano solo, Mrs. Hubert James.
- 8.29 p.m.—Recitation, Mr. George Whittle.
- 8.35 p.m.—Dance programme—Broadcast from Floating Palace.
- 8 p.m.—G.P.O. Chimes.
- 9.1 p.m.—Violin solo, Mr. Eric McLaughlin.
- 9.5 p.m.—Song, Mrs. Hubert James.
- 9.9 p.m.—Recital from Floating Palace.
- 9.25 p.m.—Recitation, Mr. George Whittle.
- 9.39 p.m.—Instrumental recital, Mr. A. Fyfe.
- 9.44 p.m.—Song, Mrs. C. M. Latchford.
- 9.48 p.m.—Recital from Floating Palace.
- 10 p.m.—G.P.O. Chimes.
- 10.1 p.m.—Song, Mrs. C. M. Latchford.
- 10.5 p.m.—Instrumental recital, Mr. A. Fyfe.
- 10.15 p.m.—Contralto solo, Mrs. Hubert James.
- 10.18 p.m.—Sporting results.
- 10.20 p.m.—Violin solo, Mr. Eric McLaughlin.
- 10.24 p.m.—Recital, Mr. George Whittle.
- 10.30 p.m.—Recital from Floating Palace.
- 10.58 p.m.—Station announcements.
- 11 p.m.—G.P.O. Chimes and close down.

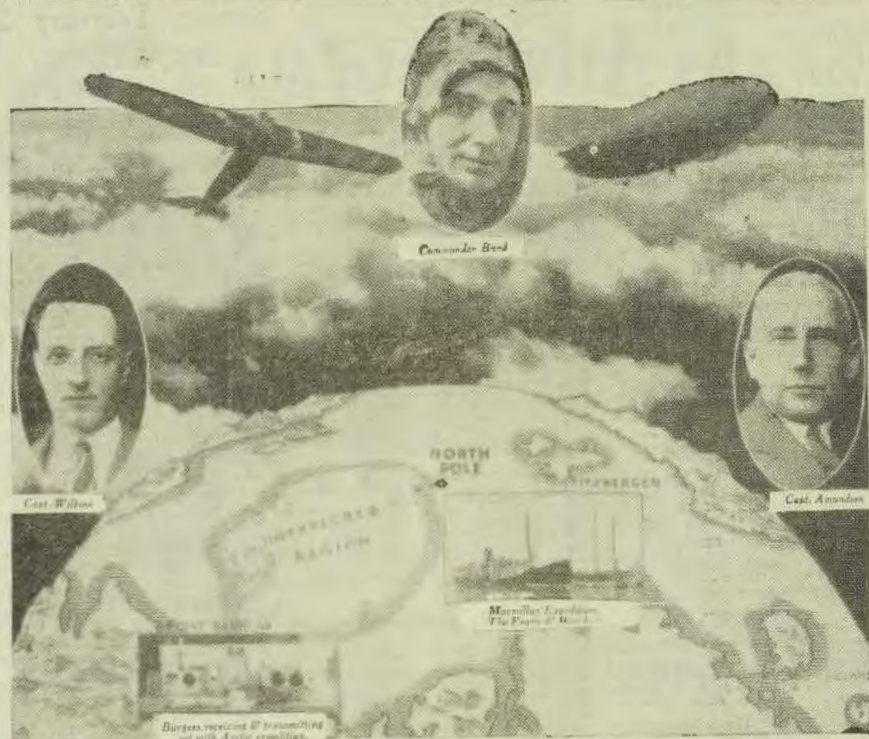
6WF, PERTH

- Saturday.
- 12 noon.—Tune in.
  - 12.5 a.m.—Musical programme, including pianoforte selections by Miss Evelyn Willis.
  - 1.30 p.m.—First local news bulletin.
  - Market reports.
  - Cable.
  - 1 p.m.—Time signal from Perth Observatory.
  - 1.15 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
  - 1.2 p.m.—Close down.
  - 7 p.m.—Tune in.
  - 7.5 p.m.—Uncle Lavin will tell short stories to the kiddies.
  - 8 p.m.—Sporting results supplied by courtesy of "The Mirror" Newspaper Co.
  - 8.40 p.m.—Market reports supplied by the Western Australian Press, Ltd.
  - Second hand news bulletin supplied by courtesy of "The West Australian" Newspaper Co.
  - Cable news supplied by Australian Press Association.
  - 2 p.m.—Time signal from the Perth Observatory.
  - 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
  - 8.5 p.m.—VARIETY NIGHT.
  - Musical programme.
  - 10 p.m.—Second hand news bulletin supplied by courtesy of "The Daily News" Newspaper Co.
  - Sports results supplied by courtesy of "The Mirror" Newspaper Co.
  - Ships within range announcements.
  - 10.40 p.m.—Close down.

- NIGHT SESSION.
- 7.30 p.m.—Sailing notes by "Tiller."
  - 7.45 p.m.—A Gardening Talk—"March Work in the Garden," by "Teronsa."
- AUCHINCLOSS BOWL HOUSE.
- The complete "At Home" concert given by the President of the Auchincloss Bowling Club (Mr. ) will be relayed from the Bowl House.
- 8 p.m.—From the Bowl House: Bowling choruses—(a) "Bowling, Bowling" (b) "Drink to Me Only with Thine Eyes," Club Members' song. By the Waters of Minnetonka" (Cleburne), Miss Phyllis Verney, song selected, Mr. Bradford; song selected, Miss Agnes Kerr and Mr. C. Golden; selection by Honolulu Serenaders' song, "April Morn'." Miss Nancy Mulholland, song selected, Mr. Dobby; song, comic, "E. Hill; song, "Gow to the Fair" (Marrin); Miss M. McNeish; recitation, "Clarence's Dream," Mr. Fred Gould; song selected, Mr. C. W. Woodland.
  - 9 p.m.—Metropolitan weather forecast. Song selected, Miss Clarice Cox, song selected, Mr. Olive; song, "Glory of the Sea" (Stanerson), Miss Agnes Kerr; whistling item, Mr. CHE Grr; song, "Kouru Royalist," Mr. Geo. Geddes; Hawaiian selection, Honolulu Serenaders' song, "Hareolea"—from "Tales of Hoffman," Miss Phyllis Verney; song selected, Mrs. Ferris; song selected, Mr. Bradford; song, "Lovers a Merchant" (Carew); Miss G. Wadley; Hawaiian selection, Honolulu Serenaders' "I Did Not Know" (Travers); Miss M. McNeish; Hon. accompanist, Mr. Joe Newington.
  - 10 p.m.—"Daily Mail" news service. Close down.

5CL, ADELAIDE

- Saturday.
- MORNING SESSION.
- 10.30 p.m.—G.P.O. Chimes.
  - 10.81 a.m.—Studio Orchestra. Selection, "Gabrielle," valse, "Coppelia"; fox trot.



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2GB, SYDNEY

Sunday.

10.20 a.m.—Music from St. Alban's Liberal Catholic Church.  
 10.30 a.m.—Service from St. Alban's. The Holy Eucharist. Sermon.  
 12 noon—Close down.  
 7 p.m.—Music from Studio.  
 7.5 p.m.—5GB Vocal Quartette.  
 Hymn Tunes.  
 "At Even 'Kiss the Sun Was Set."  
 "Hark! Hark!"  
 "Love, Love of My Soul."  
 7.15 p.m.—Music from Hall and Lecture by Professor Krasat Wood.  
 7.40 p.m.—Songs by Miss Eva Croft.  
 7.45 p.m.—2GB Vocal Quartette.  
 "Hail! Heavenly Song" (Wagner).  
 "God as Loved the World" (Stainer).  
 7.55 p.m.—Talk by Mr. J. K. Powell.  
 8.15 a.m.—Song, by Miss Elsie Brown, "What's O'clock."  
 8.15 p.m.—2GB Vocal Quartette.  
 1. "Ereced Raced the Tempest."  
 2. "Art They Wary."  
 3. "Our Best Redeemer."  
 8.30 p.m.—Song by Miss Eva Croft.  
 "Meadow Sweet" (Brube).  
 8.34 p.m.—Talk, by L. W. Hart.  
 8.55 p.m.—Music from Studio.

3LO, MELBOURNE

Sunday.

MORNING SERVICE.

10.25 a.m.—Express Train information.  
 10.30 a.m.—BELLS, transmitted from St. Peter's Cathedral.  
 11 a.m.—SERVIC form SCOTS CHURCH, Colling Street, Melbourne.  
 Preacher: THE REV. DR. HOLLAND.  
 Organist, Mr. MANSLEY GREER.  
 Psalm (Metrical Version), Ps. Tune 43  
 "O Sing a New Song to the Lord."  
 Prayer.  
 Praise Psalm 119, v.v. 97-112.  
 Chant 109 and 110.  
 Old Testament Lesson, Psalm 36.  
 Hymn, "Lead, Kindly Light."  
 New Testament Lesson: Rom. 7:7-24.  
 Prayer of Intercession.  
 ANTHEM: from "The Creation."  
 "In splendour bright is rising now the sun"  
 "The Heavens are telling the glory of God" (Haydn).  
 The Lord's Prayer.  
 SERMON: "God knows when" Rom. 7:21.  
 Prayer.  
 Intimations.  
 Offering.  
 Offertory, Solo: "Andante in G" (S. S. Wesley).  
 Hymn 192, "Jehoi, Lover of My Soul."  
 12.15 p.m.—British Official Wireless News from Rugby.  
 12.30 p.m.—Close down.

AFTERNOON SERVICE.

3 p.m.—PLEASANT SUNDAY AFTERNOON SERVICE, transmitted from Central Mission, Wesley Church, Lombard Street, Chairman, REV. J. H. CAIN.  
 Orchestral Selection (Mr. G. M. Williams, conductor).  
 1. "O Day of Rest and Gladness."  
 Prayer, Rev. C. Irving Brown.  
 Hymn, "We Plough the Fields and Scatter."  
 THE HARMONIOUS QUARTET PARTY.  
 "All ye be thine."  
 Orchestral Selection.  
 THE HARMONIOUS QUARTET PARTY.  
 "The Long Day Closes."  
 Notices, Offering and Prayers.  
 Orchestral Selection.  
 ADDRESS: HON. J. G. LATHAM, Federal Attorney General.  
 "The League of Nations and the Imperial Conference."

National Anthem.  
 Benediction.  
 1.30 p.m.—Close down.

EVENING SESSION.

5.40 p.m.—CHILDREN'S HOUR.  
 1. "Ivans" by "THE FIVE PIPERS."  
 Organ.  
 Hymn, "A Little Prayer" (for little children).  
 Bomb, "Praying Soul the King of Heaven."  
 5.50 p.m.—"BILLY BUNNY" will now tell you more about the "Christmas Carol."  
 6 p.m.—Musical programme by "THE FIVE PIPERS."  
 First Song: "Sweet and Low."  
 Two Annual Songs: "Three Little Mice."  
 "The Sheep and the Boy."  
 Song: "A Lullaby."  
 Chorus: "Singing in the Rain."  
 Piano: "Dancing Bell."  
 Two French Carols:  
 "Carol of the Flowers."  
 "Infant so gentle."  
 Hymn: "The Saviour Prayer."  
 6.25 p.m.—Answers to Letters and Birthday greetings.  
 6.35 p.m.—"BILLY BUNNY"—another instalment of "David Livingstone."  
 6.45 p.m.—Close down.

NIGHT SERVICE.

SERVICE FROM THE INDEPENDENT CHURCH, GEELONG CITY BAND.  
 ALBERTO ZELMAN, violin.  
 MADAME ZELMAN, soprano.  
 WESLEY CHURCH CHOIR.  
 Announcer: ALFRED ANDREW.  
 Accompanist: AGNES FORTUNE.  
 6.10 p.m.—St. Paul's Bell.  
 7 p.m.—SERVICE FROM THE COLLINS STREET INDEPENDENT CHURCH, Melbourne.  
 Preacher, REV. J. ERNEST JAMES, B.D.  
 Organist, MR. HERBERT DAVIS.  
 Hymn, "Come, let us join our cheerful songs."  
 Prayer and Invocation.  
 Lord's Prayer repeated.  
 Hymn, "O Love of God, how strong and true."  
 Scripture Lesson.  
 Luke vi. 1-10; Luke xiv. 1-10.  
 Male Quartet, "Saved by Grace."  
 Prayer.  
 ANTHEM (unaccompanied).  
 "Into the Woods my Master went" (T. Nable).  
 Notices and Offering.  
 Hymn, "Come ye sinners poor and wretched."  
 SERMON: REV. J. ERNEST JAMES, B.D.—"THE ROMANCE OF REDEMPTION."  
 Hymn, "O Love that will not let me go."  
 Benediction.

FROM THE STUDIO.

6.30 p.m.—FROM THE STUDIO, Conductor, Mr. Harry Shure.  
 March, "Deeds of Daring" (Bismuth).  
 Overture, "Lullaby" (Kale Bela).  
 6.40 p.m.—ALBERTO ZELMAN, violin: "Romance" (Bismuth).  
 6.50 p.m.—WESLEY CHURCH CHOIR (under direction of Mr. James): "Give rest O Christ" (unaccompanied, from Russian Church).  
 "And the Glory of the Lord" (Mendish) (Händel).  
 9 p.m.—MADAME ZELMAN, soprano: Requiem, "Vivit in aeternum" (Cavalleria Rusticana) (Massenet).  
 9.15 p.m.—GEELONG CITY BAND: Selection, "Schubert's Works."  
 9.17 p.m.—ALBERTO ZELMAN, violin: "Adagio" (Ries).  
 "Gondollera" (Ries).  
 9.25 p.m.—WESLEY CHURCH CHOIR: "Angels that robed us here" (Martianus) (Wallace).  
 "Gloria from 12th Mass" (Mozart).  
 9.35 p.m.—MADAME ZELMAN, soprano: "When Boy My Lover" (German).  
 "The Cuckoo" (Martin Shaw).  
 "The Second Minuet" (Beethoven).  
 9.41 p.m.—GEELONG CITY BAND: Intermzzo, "Maidina's Fairy Power" (Hamer).  
 March, "Strathmore" (Bismuth).  
 9.51 p.m.—"Argus" news service. Announcements.

10 p.m.—OUR GREAT THOUGHT!  
 "Everyone in his own house, and God in all of them"—Cervantes.  
 10.1 p.m.—GOD SAVE THE KING.

4QC, BRISBANE

Sunday.

MORNING SERVICE.  
 CHURCH SERVICE.  
 The complete Morning Service will be relayed from St. Paul's Presbyterian Church Spring Hill.  
 11 a.m.—Morning Service.  
 12.10 p.m.—Close down.  
 AFTERNOON SERVICE.  
 CHURCH SERVICE.  
 During the first portion of the afternoon, the service from the Danish Lutheran Church will be relayed (Minister, the Rev. J. P. E. Linsenart). Prædile, Opening Prayer, Hymn, the Collect for the Day, the Epistle, Hymn, the Gospel, the Creed, Hymn, Anthem, Sermon, Hymn, the Collect for the World, the Benediction.  
 3.19 p.m.—Close down.

HAND CONCERT.

The Concert provided by the Citizens' Band will be relayed from the Botanic Gardens.  
 3.15 p.m.—March, "Cavalry of the Clouds" (Alford), overture, "Elinore" (Greenwald), sonnet and euphonium duet, "I Due Focare" (Verdi), voice, "Vienna Bonbons" (Grunz), selection, "Mendelssohn" (Bismuth), intermission, "Lovers Lane" (Bismuth), march, "Mad Major" (Alford).  
 4.30 p.m.—Close down.

NIGHT SERVICE.

CHURCH SERVICE.  
 The complete Evening Service will be relayed from St. Paul's Presbyterian Church, Spring Hill.  
 7.30 p.m.—Evening Service.  
 8.30 p.m.—Benediction.

HAND CONCERT.

At the conclusion of the Church Service, the Concert by the Brisbane Municipal Concert Band (conductor, Mr. E. Jackson) will be relayed from St. William Park.  
 The programme will include—Overture, "Fest" (Lortzing); fantasia, "Reminiscences of Rossini" (Godefr); march and procession of Bacchus, from the ballet "Sylvia" (Trollius).  
 9.30 p.m.—Close down.

5CL, ADELAIDE

Sunday.

MORNING SERVICE.  
 11 a.m.—G. P. O. Chimes.  
 11 p.m.—Relay from Flinders Street Methodist Church.  
 12 noon—(Copy).—Close down.  
 EVENING SESSION.  
 6.30 p.m.—G. P. O. Chimes.  
 6.45 p.m.—Solo.  
 6.50 p.m.—Sunday stories for children.  
 7 p.m.—4 P. O. Chimes.  
 7.1 p.m.—Relay from Parkside Baptist Church.  
 7.15 p.m.—Jazz.—Solo, from S.A. Institute—Instrumental and vocal programme by B.A.B. Band, assisted by Miss Beery (conductor) (Mentzopoulos), Mrs. Hubert James (accompanist), Mr. L. Conroy (bass).  
 8 p.m.—G. P. O. Chimes.  
 8.15 p.m.—Talk by Mr. F. R. Nicholls, "The Challenge of God."  
 8.4 p.m.—Instrumental and vocal concert continued.  
 10 p.m.—Chimes and close down.

6WF, PERTH

Sunday.

16.45 a.m.—Tune by.  
 17 p.m.—Morning service relayed from the Mission Street Baptist Church, Perth.  
 12.10 p.m.—Close down.  
 2.15 p.m.—Tune by.  
 3.20 p.m.—Lions Club, Le Ross will give a talk on the Animals of the Zoo.  
 3.40 p.m.—R.S.L. Band and Vocal Concert, relayed from the Zoological Gardens, Perth.  
 March, Conductor, Mr. Geo. S. Meilor.  
 3 p.m.—Close down.  
 7 p.m.—Tune by.



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7.5 a.m.—Children's bedtime stories by Miss Olga Barclay.  
 7.30 p.m.—Evening service relayed from the Seventh Day Adventist Church, 36 Street, Sulistat.  
 7.45 p.m.—Forth City Band and Vocal Concert relayed from the Government Gardens, Perth. Conductor, Mr. W. A. Hutchinson.

## Mon., February 28

### 2FC, SYDNEY

#### EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.  
 7.15 a.m.—Studio music.  
 7.30 a.m.—Official weather forecast, rainfall, temperatures, astronomical observations, shipping intelligence, mail services.  
 7.35 a.m.—Investment, market, mining share market, metal quotations.  
 7.45 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.  
 7.55 a.m.—"Sydney Morning Herald" news service.  
 8 a.m.—"Big Ben." Studio music.  
 8.15 a.m.—Close down.

#### MORNING SESSION.

9.55 a.m.—Marching music for school children.  
 10.4 a.m.—Some popular records.  
 10 a.m.—"Big Ben" and announcements.  
 10.55 a.m.—"Late Sydney Morning Herald" news service.  
 10.15 a.m.—Studio music.  
 10.40 a.m.—Last minute shipping information by the 2FC Shipping Commissioner.  
 10.45 a.m.—A Serial Story.  
 11 a.m.—"Big Ben." Australian Press Association and Reuter's Cable Services.  
 11.10 a.m.—Studio music.  
 11.15 a.m.—A reading.  
 11.30 a.m.—Marching music for school children.  
 11.55 a.m.—Close down.

#### MIDDAY SESSION.

12 p.m.—"The Ben" and announcements.  
 12.15 p.m.—Stock Exchange, first call.  
 12.30 p.m.—Studio music.  
 12.35 p.m.—Bazily weather news.  
 12.55 a.m.—Miss Nellie Judson, soprano ("God touched the tree" (Hawley)).  
 1 p.m.—"The Ben's" Weather Intelligence.  
 1.15 p.m.—"Evening News" midday news service. Producers' Distributing Society's report.  
 1.20 p.m.—Music from the Studio.  
 1.25 p.m.—Miss Nellie Judson, soprano ("Teas" (Hawley)).  
 1.28 p.m.—Stock Exchange, second call.  
 1.35 p.m.—Marching music for school children.  
 1.40 p.m.—Studio music.  
 1.45 p.m.—"Big Ben." Close down.

#### AFTERNOON SESSION.

2.30 p.m.—Announcements.  
 2.35 p.m.—Items by pupils of Mrs. Stuart.  
 3 p.m.—A reading.  
 3.05 p.m.—Vocal items arranged by Mrs. Stuart Day.  
 3.15 p.m.—Marching music.  
 3.40 p.m.—FROM FARMER'S TEA ROOMS: Mr. Frank Botham, baritone ("Close Prose" (Charles)).  
 3.45 p.m.—FROM FARMER'S TEA ROOMS: Miss Hilda Nelson, mezzo ("Advice" (Carew)).  
 4.15 p.m.—Studio music.  
 4.20 p.m.—FROM FARMER'S TEA ROOMS: Mr. Frank Botham, baritone ("Chin of the Old Book" (Gingins)).  
 4.35 p.m.—Studio music.  
 4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Hilda Nelson, mezzo ("Red Roofs" (Hawley)).  
 4.45 p.m.—Stock Exchange, third call.  
 4.50 p.m.—Close down.

#### EARLY EVENING SESSION.

5.45 p.m.—The Census of 2FC.  
 5.50 a.m.—The "Hello, Ma," talks to the children.

5.50 p.m.—Miss Margaret Grimshaw, mezzo, will sing to the children:  
 (a) "Sweetest little rose in Tennessee"  
 (b) "The Gilly"  
 (c) "The Bad Little Bird" (Aronski).  
 6.40 p.m.—Dinner music.  
 7 p.m.—"Big Ben." Late sporting news.  
 7.10 p.m.—Bazily's market reports, wool, wheat and stock.  
 7.15 p.m.—Fruit and Vegetable markets.  
 7.20 p.m.—Weather and shipping intelligence. Stock Exchange.  
 7.25 p.m.—Late "Evening News" news service.

#### NIGHT SESSION.

7.40 p.m.—Programme announcements.  
 7.45 p.m.—Commemorating Russia's Struggle in 1927. A short talk by Mr. William Adams, with illustrations.  
 8 p.m.—"Big Ben." FROM THE HAYMARKET THEATRE, George Street, Sydney. Items by the Haymarket Operatic Orchestra of 20 members, under the baton of Mr. Stanley Foster.  
 8.15 p.m.—FROM THE STUDIO: Miss Eileen Boyd, contralto ("The Dream Child" (Hawley)).  
 8.15 p.m.—Miss Annie Hughes in a Character Sketch. Final appearance prior to her departure to London to-morrow.  
 8.25 p.m.—Mr. Ernest Archer, tenor.  
 8.30 p.m.—Miss Peggy Pratt, soprano ("I Wonder Where My Baby Is" (Gus Kahn)).  
 8.35 a.m.—FROM THE BAPTIST HALL: Items by the Sydney Harmonic Choir, conducted by Mr. William Byrne.  
 8.40 p.m.—FROM THE STUDIO: Mr. Rudolph Dehning, Euphonium solo.  
 8.45 p.m.—Miss Eileen Boyd, contralto ("Sweet Child").

#### 9 p.m.—FROM THE HAYMARKET

THIATRE: Items by the Commonwealth Silver Band (first appearance in Australia prior to their departure for an extended tour of America).  
 9.30 p.m.—FROM THE STUDIO: Mr. Ernest Archer, tenor.  
 9.35 p.m.—Miss Peggy Pratt, soprano:  
 (a) "Baby's Blues"  
 (b) "It's a Wonderful World"  
 9.40 p.m.—FROM THE BAPTIST HALL: The Sydney Harmonic Choir, conducted by Mr. William Byrne.  
 9.50 p.m.—FROM THE STUDIO: Miss Eileen Boyd, contralto ("Sweetest Flower that Grows" (Hawley)).  
 9.55 p.m.—"The Ben."

#### 10 p.m.—FROM THE HAYMARKET

THIATRE, SYDNEY. Orchestral items.  
 10.15 p.m.—FROM THE STUDIO: Mr. Ernest Archer, tenor.  
 10.22 p.m.—Miss Annie Hughes in a Character Sketch.  
 10.30 p.m.—The 2FC Dance Band in popular numbers. Conductor, Mr. Eric Pearce.  
 10.35 p.m.—Miss Peggy Pratt, soprano:  
 "I Don't Believe It, but say it Again."  
 10.40 p.m.—The 2FC Dance Band and the popular baritone, Mr. Lou Maurice.  
 11 p.m.—"The Ben" and announcements.  
 11.35 p.m.—The 2FC Dance Band in popular numbers. Conductor, Mr. Eric Pearce.  
 12 midnight—"The Ben." National Anthem. Close down.

## 2BL, SYDNEY

#### Munday.

#### EARLY MORNING SESSION.

7.15 a.m.—G.P.O. Clock and Chimes.  
 7.16 a.m.—Musical programme from the Studio.  
 7.19 a.m.—Physical training and health exercises.  
 7.25 a.m.—Hints on Health.  
 7.30 a.m.—Physical training and health exercises.  
 7.45 a.m.—G.P.O. Clock and Chimes.  
 7.50 a.m.—Weather report.  
 7.55 a.m.—Shipping information.  
 7.58 a.m.—Broadcasters' special news service.  
 8 p.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.  
 10.55 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."  
 11.15 a.m.—Habit Market report.  
 11.17 a.m.—Fish Market report.  
 11.20 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.—Ships in sail by wireless.  
 11.30 a.m.—Information re interstate and Overseas mails.  
 11.35 a.m.—Shipping information—arrivals and departures.

#### 11.35 a.m.—WOMEN'S SESSION.

Talk on "Swimming" by Miss G. Varley.  
 11.45 a.m.—Social Notes by Mrs. Jordan.  
 11.55 a.m.—Mrs. Jordan replies to correspondents.  
 12.5 a.m.—Talk by Mrs. Jordan on "Preserves."  
 12.30 p.m.—G.P.O. Clock and Chimes.  
 12.31 p.m.—Sydney Stock Exchange calls.  
 12.33 p.m.—"Sun" Newspapers news service.  
 12.41 a.m.—Hilber's Instrumental Quartet, direction, Gary Harting.  
 1.20 p.m.—G.P.O. Clock and Chimes.  
 1.21 p.m.—Weather report and forecast.  
 1.23 a.m.—Sydney Stock Exchange calls.  
 1.26 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.

Having information broadcast by courtesy of the "Sun."  
 3 p.m.—G.P.O. Clock and Chimes.  
 3.1 p.m.—Weather report.  
 3.2 a.m.—Social Notes from the "Sun."  
 3.4 p.m.—News from the "Sun."  
 3.15 p.m.—Musical programme from the Studio.  
 3.20 p.m.—News from the "Sun."  
 3.45 p.m.—Musical programme from the Studio.  
 4 p.m.—G.P.O. Clock and Chimes.  
 4.1 p.m.—News from the "Sun."  
 4.2 p.m.—Musical programme from the Studio.  
 4.15 p.m.—Serial story.  
 4.30 p.m.—G.P.O. Clock and Chimes.  
 4.31 p.m.—News from the "Sun."  
 4.35 p.m.—Musical programme from the Studio.  
 4.45 p.m.—Producers' Distributing Society's Vegetable and Fruit Market report.  
 4.50 p.m.—Shipping information when available.  
 4.52 p.m.—Day's racing resume on race days.  
 4.55 p.m.—News from the "Sun."  
 4.58 p.m.—Resume of night's programme.  
 5 p.m.—G.P.O. Clock and Chimes. Close down.

#### EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes.  
 5.46 p.m.—Ugla George and the Kiddees.  
 5.49 p.m.—Musical programme from the Studio.  
 SPECIAL COUNTRY SESSION:  
 7 p.m.—G.P.O. Clock and Chimes.  
 AUSTRALIAN Mercantile Land and Finance Co.'s report.  
 Weather report. Producers' Distributing Society's Fruit and Vegetable Market report. Stock Exchange reports.  
 Grain and Fodder report ("Sun").  
 Dairy Produce Report ("Sun").  
 Primary Producers' Newspaper report on London Butter Market.  
 7.15 p.m.—Country news from the "Sun."

#### EVENING SESSION.

8 p.m.—G.P.O. Clock and Chimes.  
 Broadcasters' Tugboat ("Chorus").  
 8.5 p.m.—Mr. Albert Carlisle (Tenor).  
 8.10 p.m.—Mr. Harold McCulloch (Entertainer at the Piano).  
 8.17 p.m.—From the Radio Exhibition (Town Hall). The Glycerio Girls.  
 9.15 p.m.—Newtown Band.  
 9.25 p.m.—From the Studio. Resume of following day's programme. Weather report and forecast by Mr. C. J. Mares, Govt. Meteorologist.  
 9.45 p.m.—Mr. Albert Carlisle.

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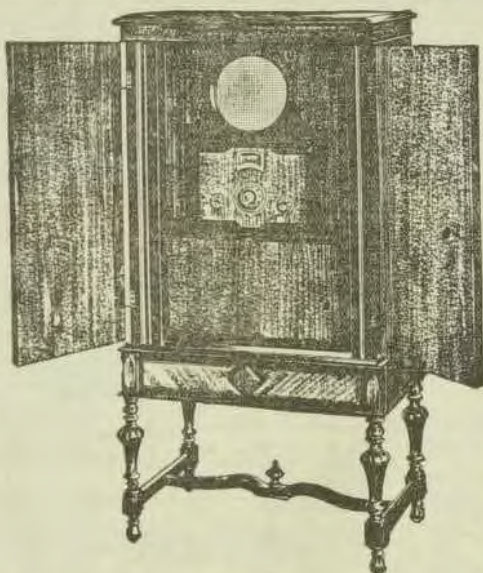
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0.47 p.m.—Newtown Band.  
 10.7 p.m.—Mr. Harold McCulloch.  
 10.14 p.m.—The Ambassadors' Dance Band broadcast from the ballroom of the Ambassadors. During the intervals between dances news reports by courtesy of the "Star" will be broadcast.  
 12 midnight.—G.P.O. Clock and Chimes. National Anthem.

## 2KY, SYDNEY

Monday.

### LUNCHEON HOUR SESSION.

12.15 p.m.—Tune in to the ticking of the clock.  
 12.18 p.m.—Popular fox-trots. "Orphan" gramophone.  
 12.25 p.m.—Musical interlude.  
 12.40 p.m.—News items.  
 1 p.m.—Vocal items.  
 1.15 p.m.—Hawaiian Steel Guitar selections.  
 1.25 p.m.—Union news and meetings.  
 1.30 p.m.—Lincoln Records.  
 1.40 p.m.—Where to go to-night.  
 1.45 p.m.—Closing Announcements.

### EVENING SESSION.

7.30 p.m.—Tune in to the ticking of the clock.  
 7.35 p.m.—News items.  
 7.40 p.m.—Sociating talk. MR. A. J. ROYD (Sporting Editor Sydney "Sportman" and "Truth").  
 7.50 p.m.—Industrial and political topics; MR. J. S. GARDEN.  
 8 p.m.—Pianoforte solo: MISS ERME DIEHL, L.L.C.M.  
 8.15 p.m.—Violin solo: MR. E. BIRRELL.  
 8.18 p.m.—Popular numbers: MR. HALL, PRINCE.  
 8.24 p.m.—Musical interlude, introducing latest dance numbers.  
 8.45 p.m.—Review of the Life and Works of the Great Composers series ("Bach," the founder of modern music. Arranged and presented by MR. GEO. F. MANDEL.")  
 8.48 p.m.—The Life of Bach.  
 9 p.m.—The works of Bach.  
 9.10 p.m.—Musical illustrations from the Works of Bach.  
 9.25 p.m.—Tango solo: MR. RAY HAMILTON.  
 9.32 p.m.—Theatre talk.  
 9.40 p.m.—Dance music.  
 10 p.m.—Closing Announcements.

## 2GB, SYDNEY

Monday.

### MORNING SESSION.

Cheerio Hour, conducted by Mr. J. K. Powell.  
 9.10 a.m.—Music.  
 9.35 a.m.—Gladstone Chat.  
 9.50 a.m.—Music.  
 10 a.m.—Home Retirement Series.  
 10.15 a.m.—Music.  
 10.20 a.m.—Five minutes with Children at Home.  
 10.25 a.m.—Announcements. Close down.

### WOMEN'S NEWS SESSION.

3.30 p.m.—Music.  
 3.45 p.m.—Humanitarian Movements in Series.  
 3.55 p.m.—Music.  
 4.6 p.m.—News from everywhere for women.  
 4.20 p.m.—Music.

### EVENING SESSION.

6.30 p.m.—Children's Session, conducted by Mr. J. K. Powell.  
 7.15 p.m.—Popular Song Number. Vocal, piano, and gramophone.  
 7.30 p.m.—Cheerio Talk to Men.  
 7.45 p.m.—Instrumental Trio, Monica Horder, Marielle Laug, Ada Brook.  
 8.5 p.m.—Address by Professor Ernest Wood.  
 8.16 p.m.—Songs.  
 "Tommy Tod" (Margaret).

"The Watchman" (Squire).  
 Mr. George Burcher.  
 8.25 p.m.—AGB String Quartette.  
 8.35 p.m.—Announcements.  
 9 p.m.—Talk. Mr. Frank Lock.  
 9.15 p.m.—Songs.  
 "Mist the Petals and Your Treasures" (Hinder).  
 "Mataiatia".  
 Mr. Frederick Turrell.  
 9.23 p.m.—Violin Solo. Monica Horder.  
 9.30 p.m.—Air. "Be Thou Faithful Unto Death" (Mendelssohn).  
 Mr. Frank Turrell.  
 9.35 p.m.—Instrumental Trio. Monica Horder, Marielle Laug, Ada Brook.  
 9.41 p.m.—Songs. "Yeoman's Wedding Song." Mr. George Burcher.  
 9.52 p.m.—Cheerio Talk.  
 10 p.m.—Great Thoughts from Great Minds.

## 3LO, MELBOURNE

Monday.

### MIDDAY SESSION.

HUXHAM'S SERENADES.  
 THE STUDIO ORCHESTRA.  
 TASSA TIERNAN, solo.  
 STONEY BURCHALL, baritone.  
 JONES AND RAINE, The Welsh Barbit. C. R. CHUGG, lute.  
 Accompanist..... AGNES FORTUNE  
 Announcer..... MAURICE DUDLEY  
 12 noon.—Time Signal. British Official Wireless news from Rugby. Huxham's and the Australian Press Association Gales.  
 "Argus" and "Herald" news services.  
 12.15 p.m.—Stock Exchange Information.  
 12.20 p.m.—HUGH HUXHAM'S SERENADES:  
 Quartet: "Injun Girl" (Ephraim)  
 EDITH HUXHAM, DOLLY BURDETT,  
 RENN MILLAR, HUGH HUXHAM.  
 Contralto Solo: "Through the April Meadows."  
 DOLLY BURDETT.  
 TASSA TIERNAN, 'cello.  
 "Spring Song" (Mendelssohn).  
 HUBMOUSOU QUARTET.  
 "Sailing on the Sea" (Huxham).  
 DIET: "A Perfect Day" (Janots-Roud).  
 EDITH AND HUGH HUXHAM.  
 Station Trio: "Swan Song" (Lebenovicz)  
 Operatic Quartet from "FAUST" (Gounod)  
 12.50 p.m.—STUDIO ORCHESTRA:  
 Suite, "Four American Indian Songs" (Cedman).  
 1 p.m.—SYDNEY BURCHALL, baritone:  
 "Haven of Tenderness" (Gordon).  
 "Trump, Trump, Trump" (De Sylva).  
 1.1 p.m.—JONES AND RAINE:  
 Song "Oh, India, collapse."  
 Selection on Bottles.  
 1.15 p.m.—Meteorological Information. Showing intelligence. Weather forecast for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast. River reports.  
 1.27 p.m.—STUDIO ORCHESTRA:  
 "Barcarolle" (Offenbach), from Lillo's Time (Schubert).  
 1.37 p.m.—SYDNEY BURCHALL, baritone:  
 "Devil May Care" (Tate).  
 "Keep Singing at Trouble" (De Sylva).  
 1.44 p.m.—C. RICHARD CHUGG, lute:  
 "Birds in the Wood" (Doppler).  
 1.50 p.m.—STUDIO ORCHESTRA:  
 "Clementine Suite".  
 2 p.m.—Close down.

### AFTERNOON SESSION.

Speakers:  
 MISS FLORA PELL, MRS. DOROTHY SILK,  
 BLOODSTOCK SALE, transmitted from SALE YARDS, NEWMARKET.  
 ADELE INMAN, soprano.  
 DOROTHY ROTHBUSH, viola.  
 THE STUDIO ORCHESTRA.  
 Accompanist..... AGNES FORTUNE  
 Announcer..... MAURICE DUDLEY

"A SALE! A SALE!"  
 2 p.m.—BLOOD STOCK SALE, transmitted from Meera. Wm. C. Vulliamy & Co. Pty. Ltd. Sale Yards, NEWMARKET, yielding the hammer, MR. E. J. JONES.  
 2.45 p.m.—STUDIO ORCHESTRA:  
 Selection. "Sullivan Songs" (Heleny).  
 3.25 p.m.—MISS FLORA PELL, Inspector of Schools, Education Department:  
 "Domestic Economy."  
 4.10 p.m.—ADELE INMAN, soprano:  
 "For the Green" (Lehr).  
 "Where My Garvian has sailed" (Lehr).  
 4.17 p.m.—DOROTHY ROTHBUSH, viola:  
 "Hymn to the Sun" (Romazy-Korakof).  
 4.23 p.m.—ADELE INMAN, soprano:  
 "Angels Guard Thee" (Gardner).  
 "Down the Vale" (Kiefer).  
 4.50 p.m.—MISS DOROTHY SILK:  
 "Hummercrafts."  
 4.45 p.m.—"Herald" news service. Stock Exchange Information.  
 5 p.m.—Close down.

### EVENING SESSION.

7.40 p.m.—CHILDREN'S HOUR. Answers to letters and Birthday greetings.  
 7.46 p.m.—MISS KOOKABURRA will tell the story told a tale about "The Goblins."  
 8.1 p.m.—OSBORNE AND PERRYER, in Radio Role.  
 8.15 p.m.—KEN GIBSON, Mardolin Solo:  
 "Serenade" (Schubert).  
 "Swiss D'Amour" (Kiefer).  
 8.30 p.m.—OSBORNE AND PERRYER, in Pickers of Fun for the children.  
 8.38 p.m.—MISS KOOKABURRA will tell to her sister Kookaburra sisters and brothers the next instalment of "Dare of Holydays School."  
 "Caro's Magic".  
 8.45 p.m.—"Argus" and "Herald" news service. Weather and Aerial Mail Information by the Australian Aerial Services, Ltd.  
 8.45 p.m.—Stock Exchange Information. Overseas shipping.  
 8.48 p.m.—Fish Market reports by J. R. Roberts, Ltd.  
 8.51 p.m.—River reports.  
 8.54 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd. Home-market sheep sales. Poultry, Grain, Hay, Chaff, Straw, Jute, Dairy Produce, Potatoes and Onions.  
 8.6 p.m.—Market prices of Oranges and Lemons by the Victorian Central Citrus Association Pty., Ltd. Fruit Market reports by the Victorian Wholesale Fruitlers' Association, compiled by the "Fruit World," exclusive to L.O.

### NIGHT SESSION.

Speakers:  
 MISS NELLIE STEWART, MR. F. M. HUGGS,  
 MR. E. C. H. TAYLOR, MR. J. BRAKE,  
 MR. EDWARD DUGAN.  
 THE STUDIO ORCHESTRA.  
 HUGH HUXHAM'S SERENADES.  
 MOANA LUO ITO, Hawaiian Instrumentalist.  
 OSBORNE AND PERRYER.  
 HORMAN BLUESLAW, tenor.  
 JONES AND RAINE.  
 BOB MOLYNEUX, baritone.  
 JOE ARDINSON AND HIS SYNCOPIATING SYMPHONIST.  
 Accompanist..... AGNES FORTUNE  
 Announcer..... ALFRED ANDREW  
 7.15 p.m.—Mr. F. M. HUGGS, of the Henry George Club, will speak on "The Spectre of Unemployment."  
 7.30 p.m.—MR. E. C. H. TAYLOR:  
 "School Life and Sport."  
 7.41 p.m.—Under the Auspices of the Department of Agriculture, MR. J. BRAKE, Senior Inspector of Agriculture:  
 "Forage Crops for Winter."  
 "POPULAR FAVORITES."  
 8 p.m.—STUDIO ORCHESTRA:  
 Selection. "The Shamrock" (Madelline).  
 8.10 a.m.—HUGH HUXHAM'S SERENADES:  
 Quartet: "Frischell Formula" (Donat)  
 EDITH HUXHAM, DOLLY BURDETT,  
 RENN MILLAR, HUGH HUXHAM,  
 Song "For, for, for," EDITH HUXHAM.

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**THE SKRINOLEUR QUARTET:**  
 Their Solo "Get up Miss You" (Smith).  
**BESSIE GAUNSON, violin:**  
 "Andantino" (Martini-Kreiser).  
 Operatic Quartet "The Dream of Humay"  
 (AMBY).

**4.35 p.m.—STUDIO ORCHESTRA:**  
 Selection "Cavalleria Rusticana"  
 (Mascagni).  
**6.45 p.m.—MADAME AND FERRYER:**  
 "Cockney Comedy Caravan."  
 6 p.m.—Under the auspices of the Devonia  
 Australia League, MISS NELLIE  
 STEWART:  
 "Real Wishes to Australia."  
**7.15 p.m.—MOANA LEO DUO, Hawaiian In-**  
**strumentalists:**  
 "Kauai Waltz."  
 "Lair Honolulu."  
**7.30 p.m.—NORMAN BRADSHAW, tenor:**  
 Songs of Araby ("Clay").  
 "The Blind Pilgrimage" (Clarke).

**7.35 p.m.—JONES AND BAINE, The Welsh**  
**Barrel:**  
 Song "Baby Land."  
 Duet "Society Man."  
**7.45 p.m.—MR. GARDNER HUGGAN, President**  
 of the Gordon Memorial Committee,  
 will speak to you for a few minutes.  
**8 p.m.—British official Wireless news from**  
 London announcements.  
**8.04 p.m.—STUDIO ORCHESTRA:**  
 "Promenade" (Janseffels).  
 (Violoncello solo) (Kreiser).

**8.10 p.m.—NORMAN BRADSHAW, tenor:**  
 "For You Alone" (Grell).  
 "Tenebris Thy Window" (Di Garosa).  
**8.25 p.m.—"Argus" news service. Weather**  
 forecast. Announcements.  
**8.51 p.m.—MOANA LEO DUO, Hawaiian In-**  
**strumentalists:**  
 "Lullaby."  
 "Kauai Waltz."  
 "Lair Honolulu."

**8.58 p.m.—BOB MOLYNEX, baritone:**  
 "In a Little Spanish Town."  
 "I've Lost all my Love for You."  
**9.05 p.m.—STUDIO ORCHESTRA:**  
 "Lullaby" (York Boyer).  
 "Monsieur Troncin" (Rawlinson).  
**9.25 p.m.—Singing Personalities by "Opera-**  
**tic" MR. J. BERRINGTON, Secretary of**  
 Victorian Cricket Association.  
**11 p.m.—OUR GREAT THOUGHT:**  
 "A great mind becomes a great fortune."  
 "Saves."  
**—SPEECH.**

**11.1 p.m.—JOE ARNOLDSON AND HIS SYN-**  
**OPATING SYMPHONISTS:**  
 "Dawning of Cosmos in the Air."  
 "Tonight's my Night, My Baby."  
 "Let's Talk about My Success."  
**11.18 p.m.—BOB MOLYNEX, baritone:**  
 "What Day Say We Get Together."  
**11.24 p.m.—JOE ARNOLDSON AND HIS SYN-**  
**OPATING SYMPHONISTS:**  
 "I Wish You were Old as of Me."  
 "Angry."  
 "I Wish I Had Mr. Old as Back Again."

**11.31 p.m.—BOB MOLYNEX, baritone:**  
 "That's why I Love You."  
**11.38 p.m.—JOE ARNOLDSON AND HIS SYN-**  
**OPATING SYMPHONISTS:**  
 "Saves."  
 "Bare Covered Glasses."  
 "Am I Wasting My Time."  
 "Callin' Me Home."  
 "I'll Shine Blacksmith Owns the Village  
 Now."  
**11.40 p.m.—GOD SAVE THE KING.**

**4QG, BRISBANE**

**Monday, MIDDAY SESSION.**  
**12.35 p.m.—Time in.**  
**1 p.m.—Market reports, weather information**  
 supplied by the Commonwealth Weather  
 Bureau. News services supplied by "The  
 Daily Mail" and "The Daily Standard."  
**1.30 p.m.—From the Hotel Carlton, Lunch**  
 music from the Lounge, Hotel Carlton,  
 selected by Hotel Carlton Symphony Orches-

**1.55 p.m.—From the Observatory, Standard**  
 time signal.  
**2 p.m.—Close down.**

**AFTERNOON SESSION.**  
**2.30 p.m.—From Hotel Carlton, Afternoon Tea**  
 Music, played by Hotel Carlton Symphony  
 Orchestra.  
**4 p.m.—From the Studio, News service**  
 supplied by "The Telegraph."  
**4.40 p.m.—Close down.**  
**EVENING SESSION.**  
**6 p.m.—News service supplied by "The Daily**  
**Standard."**  
**6.05 p.m.—The Children's Session. Stories by**  
 "The Sandman."  
**7 p.m.—Market reports. Lectures—"Comme-**  
**merce of the Pig" No. 4. "Food, Store and**  
**Market Pigs" by Mr. E. J. Shelton (Instruc-**  
**tor in Pig Raising).**  
**7.35 p.m.—Stock reports, weather news, an-**  
**ouncements.**  
**7.45 p.m.—Standard time signals.**

**NIGHT SESSION.**  
**8.45 p.m.—Lectures, Selection—The Children's**  
 Music Corner, conducted by "The Music  
 Man."

**STUDIO CONCERT.**  
**8 p.m.—"Inveterate" Schillerstein (Horowitz), the**  
 Studio Orchestra (conductor, Mr. A. E.  
 Featherston), bass solo, "Kondawa."  
 (Lair), Mr. J. P. Cornwell, some Pianos  
 and Stories by Mr. Phillip O'Brien Hoare,  
 solo, "Mindful of Love" (Russett), the  
 Studio Orchestra, contralto solo, "Nearer  
 My God to Thee" (Liddie), Mrs. Charles  
 Wileys, mouth organ accompaniment by Mr.  
 A. Shurman, monologue selected, Miss  
 Dora Kelle, group of mouth organ numbers  
 by Mr. W. Ranch; tenor solo, "The Heart  
 of a Rose" (Nehalla), Mr. Gerald Cassman,  
 celero, "G.O.U." (Johnson), the Studio  
 Orchestra, bass solo, "I'm in through your  
 Tears" (Hambley), Mr. J. P. Cornwell,  
 saxophone solo, "Rhapsody" (Dowry), Mr.  
 C. Hanson, (conductor by the Studio  
 Orchestra) soprano solo, "The Little Blue  
 Bay" (del Riego), Miss Ruth Porteus.  
**9 p.m.—Metropolitan weather forecast.**  
 Contralto solo, "Saint Nicholas Day in  
 the Morning" (Kathropa Martin), Mrs. Charles  
 Wileys; group of mouth organ numbers  
 by Mr. W. Ranch; tenor solo, "My Pretty  
 Jane" (Russett), Mr. Gerald Cassman; con-  
 cept, "Suey Welsh Medley" (Summers), the  
 Studio Orchestra; monologue, selected, Miss  
 Dora Kelle; soprano solo, "Santuzza's  
 Song" (Mascagni), Miss Ruth Porteus;  
 selection (in response to numerous requests),  
 "The New Sullivan" (arr. Godfrey), com-  
 plete items from Gilbert and Sullivan  
 Operas; the Studio Orchestra; tenor solo  
 (a) "The Birds" (Fisher), (b) "Humme" (del  
 Riego), Mr. J. Lord; recitativo, "Wildfire"  
 (Travels), the Studio Orchestra.  
**10 p.m.—From the Studio, "The Daily Mail"**  
 news, weather news. Close down.

**SCL, ADELAIDE**

**Monday, MORNING SESSION.**  
**11.30 a.m.—G.P.O. chimas.**  
**11.41 a.m.—Stock Duo Art number.**  
**11.46 a.m.—"Advertiser" news service.**  
**11.54 a.m.—"Advertiser" news service.**  
**12 noon—G.P.O. chimas.**  
**12.1 p.m.—"Advertiser" news service.**  
**12.16 p.m.—Stock Duo Art number.**  
**12.25 p.m.—"Advertiser" news service, official**  
 weather signals and station announcements.  
**12.30 p.m.—G.P.O. chimas.**  
**12.31 p.m.—Studio Orchestra: "Bertone,"**  
 "Lullaby of England" (waltz "Colom-  
 melly"); fox trot, "My pal Jerry"; humor-  
 ous, "The magpie and the parrot"; selection  
 "To-night's the Night"; violin solo,  
 "Garden" (Lair Boyer); solo, "Colom-  
 melly" (Rugle), "Gains from Schumann."  
**2 p.m.—G.P.O. chimas and close down.**

**AFTERNOON SESSION**  
**3 p.m.—G.P.O. chimas.**  
**3.1 p.m.—Relay from the Maple Leaf (Glen-**

**Orchestra numbers.**  
**3.45 p.m.—From the Studio—Stock Duo Art**  
 and Vocalion numbers.  
**4 p.m.—G.P.O. chimas.**  
**4.1 p.m.—Relay from Arcadia Cafe Orches-**  
**tral numbers.**  
**4.35 p.m.—Stock, Exchange reports, general**  
 information and station announcements.  
**5 p.m.—G.P.O. chimas and close down.**

**EVENING SESSION.**  
**6.30 p.m.—G.P.O. chimas.**  
**6.31 p.m.—Stock Duo Art number.**  
**6.46 p.m.—Bedding reports.**  
**7.00 p.m.—Market reports.**  
**7.40 p.m.—Motor talk by Mr. Van Sanden, of**  
 the Vacuum Oil Co.  
**8 p.m.—G.P.O. chimas.**  
**8.1 p.m.—Relay from St. Bartholomew's**  
 Church—Organ solo, Mr. Frank Bowden.  
**8.11 p.m.—Song, Miss Edna Salwan.**  
**8.15 p.m.—Mouth-organ solo, Mr. E. Ryberg.**  
**8.19 p.m.—Humorous interlude, Mr. H.**  
**Mullins.**  
**8.25 p.m.—Organ solo, Mr. Frank Bowden.**  
**8.35 p.m.—Song, Miss Edna Salwan.**  
**8.40 p.m.—Flute solo, Mr. McKenna.**  
**8.45 p.m.—Song, Miss Edna Salwan.**  
**8.47 p.m.—Organ solo, Mr. Frank Bowden.**  
**8.50 p.m.—G.P.O. chimas.**  
**9.1 p.m.—Weather report.**  
**9.2 p.m.—Dance's west report.**  
**9.4 p.m.—Song, Miss Edna Salwan.**  
**9.8 p.m.—Mouth-organ solo, Mr. E. Ryberg.**  
**9.15 p.m.—Humorous, Mr. H. Mullins.**  
**9.17 p.m.—Organ solo, Mr. Frank Bowden.**  
**9.27 p.m.—Song, Miss Edna Salwan.**  
**9.31 p.m.—Flute solo, Mr. McKenna.**  
**9.34 p.m.—Song, Miss Edna Salwan.**  
**9.43 p.m.—Organ solo, Mr. Frank Bowden.**  
**9.56 p.m.—Humorous interlude, Mr. H. Mullins**  
**10 p.m.—G.P.O. chimas.**  
**10.2 p.m.—"Advertiser" news service.**  
**10.20 p.m.—Organ solo, Mr. Frank Bowden.**  
**10.30 p.m.—Song, Miss Edna Salwan.**  
**10.34 p.m.—Mouth-organ solo, Mr. E. Ryberg.**  
**10.38 p.m.—Humorous interlude, Mr. H.**  
**Mullins.**  
**10.42 p.m.—Song, Miss Edna Salwan.**  
**10.46 p.m.—Flute solo, Mr. McKenna.**  
**10.50 p.m.—Humorous interlude, Mr. H. Mul-**  
**lins.**  
**10.54 p.m.—Song, Miss Edna Salwan.**  
**10.58 p.m.—Station announcements.**  
**11 p.m.—G.P.O. chimas and close down.**

**6WF, PERTH**

**Monday.**  
**12.30 p.m.—Time in.**  
**12.35 p.m.—First local news bulletin.**  
**1.30 p.m.—Market reports, cables.**  
**1 p.m.—Time signal from the Park Observa-**  
**tory.**  
**1.11 p.m.—Weather notes supplied by the**  
 Meteorological Bureau of Western Australia.  
**1.2 p.m.—STUDIO QUINETTE.**  
**2 p.m.—Close down.**  
**2.10 p.m.—Time in.**  
**2.35 p.m.—Musical program.**  
**4 p.m.—STUDIO TRIO.**  
**4.46 p.m.—Close down.**  
**7 p.m.—Time in.**  
**7.15 p.m.—Stories for the Kiddies by Irving**  
 Perry and Duffy.  
**7.45 p.m.—Stock and share intelligence.**  
**Market reports.**  
**Cables. News supplied by courtesy of "The**  
 West Australian" Newspaper Co.  
**8 p.m.—Time signal from the Perth Observa-**  
**tory.**  
**8.1 p.m.—Weather notes supplied by the**  
 Meteorological Bureau of Western Australia.  
**8.3 p.m.—See Keeping talk by Mr. G. Wal-**  
 shaw, under auspices of the Bee Keepers'  
 Association.  
**8.15 p.m.—IN THE STUDIO.**  
**8.30 p.m.—Musical program.**  
**8.50 p.m.—Health talk by Mr. H. S. Ratton,**  
 of the Ration School of Physical Culture.  
**10 p.m.—Second local news bulletin supplied**  
 by courtesy of "The Daily News" News-  
 paper Co.  
**10.30 p.m.—Close down.**



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# Tuesday, March 1 2FC, SYDNEY

### EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
- 7.15 a.m.—Studio music.
- 7.30 a.m.—Official weather forecast, rainfall, temperatures, astronomical phenomena, shipping intelligence, mail services.
- 8.25 a.m.—Investment market, mining share market, metal quotations.
- 7.45 a.m.—Wool sales, breadstuffs markets, Interstate markets, produce markets.
- 7.45 a.m.—"Sydney Morning Herald" news service.
- 8 p.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.—A popular record.
- 9.45 a.m.—Last minute sporting information by the APC Racing Commissioner.
- 10 a.m.—"Big Ben" and announcements.
- 10.15 a.m.—Late "Sydney Morning Herald" news service.
- 10.15 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 house rooking and recipes by Miss Ruth Furst.
- 11.30 a.m.—Marching music for school children.
- 11.45 a.m.—Close down.

### MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
- 12.15 p.m.—Stock Exchange, first call.
- 12.30 p.m.—Studio music.
- 12.50 a.m.—Rugby wireless news.
- 12.55 a.m.—Miss Annie Payne, soprano.
- 1.10 p.m.—"Princess" (Grieg).
- 1 p.m.—"Big Ben." Weather intelligence.
- 1.3 p.m.—"Evening News" midday news service. Producers' Distributing Society's Market.
- 1.20 p.m.—Studio music.
- 1.24 p.m.—Miss Annie Payne, soprano.
- 1.25 p.m.—"The Leaves and the Wind" (Liszt).
- 1.25 p.m.—Stock Exchange, second call.
- 1.30 a.m.—Marching music for school children.
- 1.40 p.m.—Studio music.
- 2 p.m.—"Big Ben." Close down.

### AFTERNOON SESSION.

- 2.25 p.m.—Programme announcements.
- 2.35 p.m.—Pianoforte solos.
- 2.40 p.m.—Miss Margaret Grimshaw, mezzo.
- 2.45 p.m.—"The Waltz of Love" (Dyson).
- 2.55 p.m.—A reading.
- 3 p.m.—"Big Ben." Studio music.
- 3.20 p.m.—Miss Margaret Grimshaw, mezzo.
- 3.25 p.m.—"Looking at the World" (Steiger).
- 3.35 p.m.—Some new records.
- 3.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Edna Hudson, soprano: "Smile of Spring" (Fletcher).
- 3.45 p.m.—Studio music.
- 3.45 p.m.—FROM FARMER'S TEA ROOMS: Miss Beatrice Kendrick, mezzo: "Arrow and the Song" (Halle).
- 3.50 p.m.—Studio music.
- 4.20 p.m.—FROM FARMER'S TEA ROOMS: Miss Edna Hudson, soprano: "Awake" (Pulsifer).
- 4.25 p.m.—Studio music.
- 4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Beatrice Kendrick, mezzo: "Arrow and the Song" (Halle).
- 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.
- 5.55 p.m.—"The 'Hello Man' talks to the children.
- 6.30 p.m.—A Story for the older ones.
- 6.40 p.m.—Dinner music.
- 6.45 p.m.—"Big Ben." Late sporting news.
- 7.10 p.m.—Daley's market reports: Wool, wheat and stock.
- 7.15 p.m.—Fruit and Vegetable markets.

- 7.20 p.m.—Weather and shipping intelligence. Stock Exchange.
- 7.25 p.m.—Late "Evening News" news service.

### NIGHT SESSION.

- 7.40 p.m.—Programme announcements.
- 7.45 p.m.—Mr. G. J. Lechner: A talk on the Circular Quay.
- 8 p.m.—"Big Ben." FROM THE ROYAL NAVAL HOUSE: The N.S.W. State Military Band.
- 8.30 p.m.—FROM THE STUDIO: Madame Vera Tsarna, soprano.
- 8.14 p.m.—FROM THE ROYAL NAVAL HOUSE: The N.S.W. State Military Band.
- 8.35 p.m.—FROM THE STUDIO: Mr. Frank Leonard, comedian: "Girls—Amorist" (Weston-Lee).
- 8.35 p.m.—FROM THE ROYAL NAVAL HOUSE: The N.S.W. State Military Band.
- 8.47 p.m.—FROM THE STUDIO: Mr. Lawrence Broadbent, bass: "Roadway" (Laker).
- 8.56 p.m.—Madame Vera Tsarna, soprano: 9 p.m.—FROM THE ROYAL NAVAL HOUSE: Items by the N.S.W. State Military Band.
- 9.14 p.m.—FROM THE STUDIO: Miss Dorothy Dewar, soprano: "Moonlight on the Ganges" (Sherman).
- 9.18 p.m.—FROM THE ROYAL NAVAL HOUSE: The N.S.W. State Military Band.
- 9.36 p.m.—FROM THE STUDIO: Madame Vera Tsarna, soprano.
- 9.45 p.m.—Mr. Frank Leonard, comedian: (a) "Guy" (Weston-Lee). (b) "Our New Ford" (Russell).
- 9.48 p.m.—Miss Edna Davis, soprano solo.
- 9.58 p.m.—Miss Dorothy Dewar, soprano: "Brown Eyes in Your Dreams" (Toussaint).
- 10.2 p.m.—Mr. Lawrence Broadbent, bass.
- 10.10 p.m.—Madame Vera Tsarna, soprano.
- 10.15 p.m.—Miss Dorothy Dewar, soprano: (a) "Eve, Ho Blackbird" (Anderson). (b) "Toilet's My Night" (Bismuth).
- 10.25 p.m.—FROM THE WESTWORTH CAFE, SYDNEY: The New Westworth Symphonic Dance Orchestra, under the baton of Mr. Sydney Simpson.
- 10.35 p.m.—FROM THE STUDIO: Mr. Lawrence Broadbent, bass.
- 10.40 p.m.—Miss Edna Davis, soprano solo.
- 10.44 p.m.—Late news and announcements.
- 10.55 p.m.—FROM THE WESTWORTH CAFE, SYDNEY: The New Westworth Symphonic Dance Orchestra.
- 11 p.m.—"Big Ben." Celebrity records.
- 11.10 p.m.—The New Westworth Symphonic Dance Orchestra, in popular numbers until midnight.
- 12 midnight—"Big Ben." Close down. National Anthem.

## 2BL, SYDNEY

### Tuesday.

#### EARLY MORNING SESSION.

- 7.15 a.m.—G.P.O. Clock and Chimes.
- 7.15 p.m.—Musical programme from the Studio.
- 7.30 a.m.—Physical training and health exercises.
- 7.55 a.m.—Hints on health.
- 7.50 a.m.—Physical training and health exercises.
- 7.45 a.m.—G.P.O. Clock and Chimes.
- 7.45 a.m.—Weather reports.
- 7.48 a.m.—Sporting intelligence.
- 7.50 a.m.—Broadcaster's special news service.
- 8 a.m.—G.P.O. Clock and Chimes, close down.

#### MORNING SESSION.

- 8.1 p.m.—Weather report.
- 8.3 a.m.—Musical programme from the Studio.
- 8.20 a.m.—News from the "Daily Telegraph."
- 8.35 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."
- 11.10 a.m.—Rabbit Market Report.
- 11.17 a.m.—Fish Market Report.
- 11.25 a.m.—London Metal Market Report.
- 11.31 a.m.—Fruit Market Report.
- 11.33 a.m.—Reports on London Dairy Farm, Egg and Poultry Market.
- 11.35 a.m.—London Metal Quotations.
- 11.50 a.m.—Ships in call by Wireless.
- 11.31 a.m.—Information re Interstate and Overseas Mails.

- 11.33 a.m.—Shipping Information, Arrivals and Departures.
- 11.35 a.m.—WOMEN'S SESSION.—Special Notice by Mrs. Jordan.
- 11.45 a.m.—Mrs. Jordan replies to Correspondents.
- 11.50 a.m.—Talk on "Toilet Hints" by Mrs. Jordan.
- 12.20 p.m.—Musical programme from the Studio.
- 12.30 p.m.—G.P.O. Clock and Chimes.
- 12.35 p.m.—Sydney Stock Exchange Calls.
- 12.40 p.m.—"Sun" Newspapers News Service.
- 12.45 p.m.—Hilber's Instrumental Quartet. Direction, Garry Canting.
- 1.00 p.m.—G.P.O. Clock and Chimes.
- 1.05 p.m.—Weather Report and Forecast.
- 1.08 p.m.—Sydney Stock Exchange Calls.
- 1.30 p.m.—News from the Sun.
- 1.40 p.m.—Musical programme from the Studio.
- 2 p.m.—G.P.O. Clock and Chimes, close down.

#### AFTERNOON SESSION.

- Having information broadcast by courtesy of the Sun.
- 2 p.m.—G.P.O. Clock and Chimes.
- 2.1 p.m.—Weather Report.
- 2.30 p.m.—Social Notes from the "Sun."
- 2.40 p.m.—News from the Sun.
- 2.45 p.m.—G.P.O. Clock and Chimes.
- 2.50 p.m.—G.P.O. Clock and Chimes.
- 2.55 p.m.—G.P.O. Clock and Chimes.
- 3.00 p.m.—Musical programme from the Studio.
- 3.05 p.m.—G.P.O. Clock and Chimes.
- 3.10 p.m.—G.P.O. Clock and Chimes.
- 3.15 p.m.—G.P.O. Clock and Chimes.
- 3.20 p.m.—Musical programme from the Studio.
- 3.25 p.m.—Producers' Distributing Society's Vegetable and Fruit Market report.
- 3.30 p.m.—Shipping information when available.
- 3.40 p.m.—Day's racing resume on race days.
- 3.45 p.m.—News from the "Sun."
- 3.50 p.m.—Resume of night's programme.
- 3.55 p.m.—G.P.O. Clock and Chimes, close down.

#### EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. Clock and Chimes.
- 5.48 p.m.—Uncle George and the Kidnaps.
- 5.50 p.m.—Musical programme from the studio.
- SPECIAL COUNTRY SESSION.
- 5.55 p.m.—G.P.O. Clock and Chimes.
- Australian Metropolitan Land and Finance Co's Report.
- Weather report and forecast.
- Producers' Exchange reports.
- Producers' Distributing Society's Fruit and Vegetable market reports.
- Dairy Produce report (Sun).
- Grain and Fodder report (Sun).
- Country News from the "Sun."
- 7.15 p.m.—Talk on the "Motor Car" by Mr. Mann.
- 7 p.m.—G.P.O. Clock and Chimes.
- Broadcasters' Tiptail chorus.
- 8.1 p.m.—Broadcasters' Miniature Orchestra under the direction of Mr. J. Knight.
- 8.15 p.m.—Miss Helena Stewart (Soprano).
- 8.20 p.m.—Mr. A. G. Reed (baritone).
- 8.25 p.m.—Miss G. L. Robertson (soprano).
- 8.30 p.m.—Miss Phyllis Atkinson (soprano).
- 8.35 p.m.—Mr. Albert James (tenor).
- 8.40 p.m.—Mr. Dick Matthews (bass baritone).
- 8.50 p.m.—Resume of following day's programme.

- 9 p.m.—G.P.O. Clock and Chimes.
- Weather report and forecast by courtesy of Mr. G. J. Mann, Genl. Meteorologist.
- 9.2 p.m.—Broadcasters' Miniature Orchestra.
- 9.12 p.m.—Miss Helena Stewart.
- 9.17 p.m.—Mr. J. Crosby Howing (clarinet solo).
- 9.20 p.m.—Mr. A. G. Reed.
- 9.25 p.m.—Miss G. L. Robertson.
- 9.31 p.m.—Broadcasters' Miniature Orchestra.
- 9.34 p.m.—Miss Phyllis Atkinson.
- 9.38 p.m.—Mr. Albert James.
- 9.45 p.m.—Mr. Dick Matthews.
- 9.52 p.m.—The Ambassadors Dance Band broadcast from the Ballroom of the Ambassadors, during the intervals between dances news reports by courtesy of the "Sun" will be broadcast.
- 12 midnight—G.P.O. Clock and Chimes. National Anthem.

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2KY, SYDNEY

Tuesday.

Programme to be broadcast from the Radio and Electrical Exhibition, Town Hall, Sydney.

AFTERNOON SESSION.

- 3.45 p.m.—Soprano solo: MISS EDITH WELSH.
- 3.53 p.m.—EILEEN CHARTERS' FAMOUS MELODY KIDS, including LILLY AUDREY and the PRATT KIDDIES.
- 4.2 p.m.—Song solo: MISS VERA CORNOCK.
- 4.24 p.m.—Beaver's Jolly Juggler.
- 4.25 p.m.—FINALE: EILEEN CHARTERS' MELODY KIDS and MISS VERA CORNOCK.
- 4.33 p.m.—Close down.

CHILDREN'S HOUR.

- 6.30 p.m.—The Storyman, MR. THOMSON EVENING SESSION.
- 7 p.m.—Industrial notes, MR. J. RYAN, Director, Labor Research and Information Bureau.
- 7.30 p.m.—News items.
- 8.05 p.m.—Lecture: MR. W. MENAMARA.
- 8 p.m.—Pianoforte solo: MISS MARY DEAN.
- 8.10 p.m.—Musical inflections.
- 8.15 p.m.—Special programme from Radio and Electrical Exhibition.
- 8.16 p.m.—MACE: WILFRED MAKREER (W. A. McMullen, Leader), in a musical sketch, all presenting their novel interpretations of the latest dance novelties.
- 8.27 p.m.—Pianoforte solo: MISS VERA CORNOCK.
- 8.35 p.m.—Tease solo: MR. GEO. F. MAGEE.
- 8.45 p.m.—EILEEN CHARTERS presents her Famous Melody Kids, including Lilly Audrey and the Pratt Kiddies, in a specially selected programme.
- 8.57 p.m.—Beaver's Jolly Juggler.
- 9.5 p.m.—BEAVER, THE JUGGLING ARTIST.
- 9.15 p.m.—FINALES: EARTHEN SOLENA, Presenting Miss Vera Cornock (contralto), Little Audrey and the Kiddies.
- 9.24 p.m.—Return to the studio.
- 9.30 p.m.—Recital of the latest Lincoln Record.
- 10 p.m.—Closing Announcements.

3LO, MELBOURNE

Tuesday.

MID-DAY SESSION.

- 11.45 a.m.—FLUTE and VIOL. TUE STUDIO ORCHESTRA.
- ADOLE INMAN, soprano.
- MARIE and THORNTON.
- JONES AND RAINE.
- TASMA TIRHAN, 'cello.
- Announcer: MAURICE DUDLEY.
- Accompanist: MAURICE DUDLEY.
- 9.30 p.m.—AGNES FORTUNE Wireless news from Rugby, Reuters and the Australian Press Association cables.
- "Acacia" and "Hawaii" songs services.
- 11.15 a.m.—Stock Exchange information.
- 11.20 p.m.—ADOLE INMAN, soprano: "A Dedication" (Cummings Clarke), "A Hitherto Song" (Hennings Clarke).
- 11.25 p.m.—MAIRE and DENTON: Song, "I'm Tired of Kevering, but You, Kevering"; "What My Sister Walks Down the Street."
- 11.24 p.m.—STUDIO ORCHESTRA ("English Folk Songs" (African Williams)).
- 11.34 p.m.—JONES AND RAINE: Song, "The Lay of the Rose"; "The Green Gables."
- 11.35 p.m.—STUDIO ORCHESTRA: Overture, "Glad of Bagdad."
- 1.1 p.m.—SQUIRE AND TONSTON: Kachuma, "Sweet Child"; Song, "Cassidy."
- 1.9 p.m.—WEATHER REPORTS.
- 1.19 p.m.—STUDIO ORCHESTRA: "Sweet, that was Yesterday" (Wallace); "Sweet Spirit, Hear my Prayer" (Wallace).
- 1.20 p.m.—Description of Hound Stakes, Flemington Races, by "Musket," of the "Sporting Globe."

- 1.35 p.m.—ADELE INMAN, soprano: "The Limerick" (Cummings-Clarke); "Take Your Lute and Sing" (Cummings-Clarke).
- 1.42 p.m.—TASMA TIRHAN, 'cello: "Miserable" (Haydn); "Eligio" (Van Gossum).
- 1.46 p.m.—STUDIO ORCHESTRA: "Loudly" (Kola Beko).
- 1.50 p.m.—Close down.
- 2.25 p.m.—Description of King Stakes, Flemington Races, by "Musket," of the "Sporting Globe."

AFTERNOON SESSION.

- 2.30 p.m.—"Hello! It's Joe, Let's Go, To ALO! Speaker, "AM FAIT" JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS.
- EDNEY BURCHALL, baritone. HUXHAM'S SERENADERS. Announcer: MAURICE DUDLEY.
- 2.40 p.m.—JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS: "Thinking of You" (Ash); "God is Blind Eye View of My Old Ken-nington Home" (Hutchinson); "Just One More Kiss" (Owens).
- 2.45 p.m.—Description of March Stakes, Flemington Races, by "Musket," of the "Sporting Globe."
- 2.55 p.m.—"AD FAIT," of Messrs. Barkley and Nigh, Ltd., Fashion Talk.
- 3.00 p.m.—JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS: "Rattle a Garden Wall" (Kahn); "A Night of Love" (Giles); "Hello Alida" (Hays).
- 2.49 p.m.—SINNY DUCRALL, baritone: "Mother of Douglas" (Austlin); "Thoughts" (Fisher).
- 3.00 p.m.—Description of Australia Cup, Flemington Races, by "Musket," of the "Sporting Globe."
- 3.05 p.m.—HUXHAM'S SERENADERS: Song, "Baby's Arms"; "Hello Huxham and Serenaders"; Benn Miller, "The Ringers"; Benn Miller.
- 3.15 p.m.—JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS: "Duet to Adity with Me" (Choudhury); "There's a Bustian on the Volga" (Espan); "Baby Face" (Aker); "The Little Stream"; THE SERENADER QUARTETTE, Humorous Duet, "Dear Old Days"; HUGH and EDITH HUXHAM.
- 3.19 p.m.—JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS: "I Don't Want Nobody but You" (Yeaman); "A Cup of Coffee, a Sandwich and You" (Mayer); "Tim a Hoo—Waltz of the Belle" (Reitz); 3.40 p.m.—Description of March Nursery, Flemington Races, by "Musket," of the "Sporting Globe."
- 3.45 p.m.—JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS: "Mary Lou" (Lyman); "The Taming of" (Van Alstyne); "Romeo's Lament" (Dart); 3.45 p.m.—"Herald" news service. Stock Exchange information.
- 3 p.m.—Close down.
- 4.40 p.m.—EVENING SESSION. Announcer: Jones and Hickey greetings.
- 5.05 p.m.—"MAY GUMBLEAF," Poems: "The Poor Tom Gullin"; "Over the Moor"; "Kiss for the Hittest one"; "Lily Soul Eyes."
- 5.05 p.m.—STUDIO ORCHESTRA: "Home of the Dwarf and Giant"; 5.17 p.m.—SINNY BURCHALL, baritone: "Waiting for Ships" (Giles); "My Kid" (Giles); 5.25 p.m.—"MAY GUMBLEAF," Story for the Boys: "The Fairy's Magic"; "The Four Young Thrushes"; 5.35 p.m.—"Archie" and "Herald" news ser-

- vice. Weather synopsis. Shipping movements.
- 5.45 p.m.—Stock Exchange information.
- 5.55 p.m.—Fish Market reports by J. R. Bettrett, Ltd.
- 6.35 p.m.—River reports.
- 6.45 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd., Dairy Produce, Potatoes and Onions, Haymarket Sheep sales, Poultry, Grain, Straw, Hay and Jute.
- 7.5 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 3LO.

NIGHT SESSION.

- WE SPRING A "LEEK." Speakers: MADAME SOWARD, DR. C. R. McRAE, MR. J. HOWLETT ROSS, MALVERN TRAMWAYS BAND, ALFRED ANDREW, AGNES FORTUNE, THE STUDIO ORCHESTRA, THE CUMHAM GLEE PARTY, HUGH HUXHAM'S SERENADERS, GIBBY AND FERRYER, OWEN HUMFRAY, JOE ARONSON AND HIS SYNCO-PATING SYMPHONISTS. Announcer: ALFRED ANDREW. Accompanist: AGNES FORTUNE.
- 7.15 p.m.—Mme. BOWARD: "L'Argent on fait peu à l'heure."
- 7.30 p.m.—Under the auspices of the University Extension Board, Dr. C. R. McRae, Lecturer in Charge of Psychology Dept. at the Teachers' College: "The Psychology of Laughter."
- 7.45 p.m.—MR. J. HOWLETT ROSS: "Some Princess of Wales."
- 8 p.m.—MALVERN TRAMWAYS BAND: Overture, "Paul and Posant" (Roper); March, "In the Quarter Deck" (Alford); 8.10 p.m.—HUXHAM'S SERENADERS: Trio, "The Girls' Laughing Trio" (Glover); BENN MILLAR, HUGH AND EDITH HUXHAM, Contralto, "Danny Boy" (Old Irish); DOLLY BURDETT, Studio Orchestra: "La Columbe" (Ginsard); Quartet, "What Was Happen in 1930"; THE SERENADER QUARTET: Novelty Song, "My Cowboy Girl"; THE SERENADER QUARTET, Studio Orchestra: "Herald" (Mussorgsky); Operatic Quartet, "What Song from 'Roméo & Juliet'" (Ginsard); THE SERENADER QUARTET, 8.40 p.m.—MALVERN TRAMWAYS BAND: Selection, "Dances of Ponceau" (Round); 8.50 p.m.—HUGH and EDITH HUXHAM and CAMBRIAN GLEE PARTY: "God Bless the Prince of Wales" (Richards); "Hydras" (Friedberg); 8.57 p.m.—MR. B. H. OWEN will speak on "Welsh Honour"; 9.2 p.m.—IRIS TURNER, soprano: "O No! Biddin' Her O' Her" (Wm. Dawson); "Toss Y' Carrot" (Jones & Wales); 9.5 p.m.—STUDIO ORCHESTRA: Selection, "Welsh Airs," Part 1; 9.16 p.m.—CAMBRIAN GLEE PARTY: "Dedication Dyon Eydal Fed Glaswegian" (Davies); "Gwyn Rhodrig" (John Hughes); 9.25 p.m.—JONES AND RAINE, The Welsh Bardic and his Partner, will give you a little Welsh harmony; 9.35 p.m.—STUDIO ORCHESTRA: "Welsh Airs," Part 2; 9.40 p.m.—LWEN GRIPPITT, tenor: "Garry" (Hughes); "Nostra Gwen" (Songs of Wales); 9.45 p.m.—CAMBRIAN GLEE PARTY: "Goddie My Goddies" (Songs of Wales); "Toss Y' Carrot" (William Dawson); 9.55 p.m.—WALTER SMITH, corist: "The Blackbird"; 9.54 p.m.—ERIC JONES, baritone: "Hy-felyddre Gwyn Harlech" (Songs of Wales).

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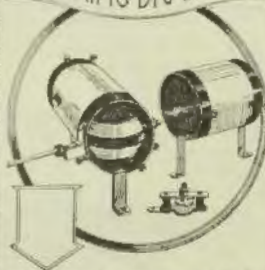
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- 10.00 p.m.—"O Could I Express in Song" (Malatesta).
- 10.30 p.m.—British Official Wireless news.
- Scouting Notes by "Glympas." Announcements.
- 10.18 p.m.—OSBORNE AND PERRYER: "Memento of Agreement."
- 10.25 p.m.—MAYRAN TRAMWAYS BAND: "Idyll," "My Syrian Maid" (Rimmer).
- 10.36 p.m.—"That's Why I Love You."
- 10.45 p.m.—STUDIO ORCHESTRA: Suite, "In Spanish Spain" (Perez Zilliotti).
- NOVALIS.
- 10.47 p.m.—"Arcus" news service. Meteorological information. Announcements.
- 11.00 p.m.—OUR GREAT THOUGHT: "Character is a Perfectly Educated WIP."
- 11.10 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS: "Hi Diddle Diddle" (Cooper).
- "Smiling Eyes" (Howeable).
- "Neapolitan Nights" (Zamenzick).
- 11.10 p.m.—GWEN HUMFRAY, contralto: "A Persian Song" (Barney).
- 11.14 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS: "I'd Climb the Highest Mountain" (Brewer).
- "Cousa" (White).
- "Katinka" (Tobias).
- 11.24 p.m.—GWEN HUMFRAY, contralto: "A Moonlight Song" (Caldman).
- 11.25 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS: "Fire-Fire-Fire, Turn the Hose on Me" (Gay).
- "Charley" (Friend).
- "Then I'll be Happy (Friend).
- "Twilight Waltz" (Henry).
- "Adios" (Owens).
- 11.40 p.m.—GOD SAVE THE KING.

### 4QG, BRISBANE

- Tuesday.
- MIDDAY SESSION.
- 12.55 p.m.—Tune in.
- 1.00 p.m.—Market reports, weather information supplied by the Commonwealth Weather Bureau; news service supplied by "The Daily Mail" and "The Daily Standard."
- 1.30 p.m.—From the Hotel Carlton, Lunch music from the Lounge, Hotel Carlton, played by Hotel Carlton Symphony Orchestra.
- 1.55 p.m.—From the Observatory. Standard time signal.
- 2 p.m.—Close down.
- AFTERNOON SESSION.
- 3.50 p.m.—A programme of music from the Studio: Duo Art selection, "La Boheme" (Puccini); Aeolian Vocalion selections—(a) soprano solo, "Air de Nanette" (Verdi), Miss Lucilla Palkin; (b) orchestral "March Honorable" (Boisliere); Aeolian Duo Art selection, "Sonata" (Beethoven); Aeolian Vocalion selections—(a) bass solo, "The Blacksmith" (Glaizer); Mr. Malcolm Macleod; (b) selection, "Madame Butterfly" (Puccini); Menchetti's Orchestra: Duo Art selection, "Valse Parisienne" (Robert); Aeolian Vocalion selections—(a) tenor solo, "Oye Golden Bird" (Sullivan); Mr. Wm. Davidson; (b) violin solo, "Little Firefly" (Caldman); Miss Peggy Cochrane: Duo Art selection, "Polish Dance" (Schubert); Aeolian Vocalion selections—(a) contralto solo, "The Lost Chord" (Sullivan); Miss Ethel Hook; (b) piano solo, "Concerto in E-Flat Minor" (Chaikowsky, (Sapellnikoff); Duo Art selection, "Nocturne" (Faderewski).
- 4.20 p.m.—"The Telegraph" news service.
- 4.30 p.m.—Close down.
- EARLY EVENING SESSION.
- 5 p.m.—"Daily Standard" news. Announcements.
- 6.30 p.m.—"The Children's Semion"—Stories by "Uncle Ben" and "Uncle Jim."
- 7 p.m.—Market reports. Lecture—"Our Meat Supply: Past and Present," by Mr. H. G. Chessman (Senior Inspector of Stockler House).
- 7.30 p.m.—Stock reports, 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.

### A PROGRAMME IN THREE PARTS.

- PART 1.
- PIANOFORTE RECITAL.
- The first portion of to-night's programme will comprise a pianoforte recital by Mr. Erich John.
- 8 p.m.—From Mr. Erich John's Studio, Piano solo—(a) "Raindrop Prelude" opus 24, No. 10 (Chopin); (b) "Valse in D-Flat Major" opus 41, No. 1 (Chopin); soprano solo, "I Don't Know" (Trotter); Mrs. Anna Adams; piano solo, (a) "Love Song" opus 5, No. 1; (b) "Spring Song" opus 62, No. 6; (c) "Dedication," opus 53, No. 1; "Song Without Words," Mendelssohn; soprano solo, "She Love, I Bring Thee Flowers," Miss Annie Adams; piano solo, "Eleventh Hungarian Rhapsody" (Liszt).
- PART 2.
- 9 p.m.—FROM THE STUDIO OF 4QG.
- A ONE-ACT PLAY.
- "PREPARING TO BROADCAST" (by Irving Grambo).
- THE CAST—"Helen," Miss Nell Douglas Graham (the producer); "Stella," (who plays the love-lorn maiden), Miss Estelle Dent; "Katie," (who plays her mother), Miss Agnes Finney; "Roussard," (who endeavors to play the manly hero), Miss Rose Hill. The play is produced by Miss Nell Douglas Graham.
- PART 3.
- STUDIO CONCERT.

- 9.45 p.m.—Metropolitan weather forecast.
- March, "Radiant King" (Tropp), the Gaiety Orchestra (conductor), Miss Joan Taylor; bass solo, "Song of the Forester" from "Carmen" (Bizet), Mr. Stanley Tamblyn; monologue, "Dwell may Care," Miss Edna McLennan; intermission, "Love, Dearly" (Holland), the Gaiety Orchestra; contralto solo, "Eyes of Irish Blue" (Lyon), Miss Irene Elphinstone; overture, "Prince Methusalem" (Sizano), the Gaiety Orchestra; soprano solo—(a) "The Sweet of the Year" (Redhead); (b) "Morning and You" (Aylward); Miss Dulcie Bellingham; fox-trot, "Bye-Bye Blackbird" (Dickson and Henderson); the Gaiety Orchestra; bass solo, "Davey Jones' Locker" (Petrie), Mr. Stanley Tamblyn; fox-trot, "Hi Ho the Hippo" (Brown Davis, Conrad); the Gaiety Orchestra; contralto solo, "If You, West Indies" (Johnson); Miss Irene Elphinstone; selection, "The Red Rose" (Dawson); the Gaiety Orchestra.
- 10 p.m.—The "Daily Mail" news, weather news. Close down.

### 5CL, ADELAIDE

- Tuesday.
- MORNING SESSION.
- 11.30 a.m.—G.P.O. chimes.
- 11.41 a.m.—Stock Duo Art number.
- 11.45 a.m.—"Advertiser" news service.
- 11.55 a.m.—G.P.O. chimes.
- 12 noon.—G.P.O. chimes.
- 12.15 p.m.—"Advertiser" news service.
- 12.16 p.m.—Stock Duo Art number.
- 12.20 p.m.—Stock Exchange report, official weather synopsis and station announcements.
- 12.32 p.m.—G.P.O. chimes.
- 12.51 p.m.—Studio Orchestra: Overtures, "Jolly Robbers"; waltz, "There, I love you"; fox-trot, "Wanna go back again blues"; cornet solo, "The last dream"; overture, "Dream shadows" selection, "Sylbi"; one step, "Savin' English melody" serenade, "D'Amour"; finale, "Little Nello Kelly."
- 2 p.m.—G.P.O. chimes and close down.
- AFTERNOON SESSION.
- 3 p.m.—G.P.O. chimes.
- 3.15 p.m.—Relay from the Maple Leaf Cafe—Orchestral numbers.
- 3.45 p.m.—From the Studio—Stock Duo Art and Vocalion number.
- 4 p.m.—G.P.O. chimes.
- 4.30 p.m.—Relay from the Arcadia Cafe—Orchestral numbers.
- 4.45 p.m.—Stock Exchange report, general information and station announcements.
- 5 p.m.—G.P.O. chimes and close down.

- EVENING SESSION.
- 6.30 p.m.—G.P.O. chimes.
- 6.55 p.m.—Stock Duo Art number.
- 7.35 p.m.—(Reading) stories.
- 7.40 p.m.—Market reports.
- 7.40 p.m.—Milking talk.
- 7.45 p.m.—G.P.O. chimes.
- 8.1 p.m.—Overture, GCL Orchestra.
- 8.10 p.m.—Song, Miss Stella Sobels.
- 8.14 p.m.—Humorous interlude, Mr. W.H. Rogers.
- 8.20 p.m.—Selections, GCL Orchestra.
- 8.25 p.m.—Song, Miss Hilsche Schneider.
- 8.30 p.m.—Recitation, Mr. W. L. Rowett.
- 8.35 p.m.—Song, Mr. Ray Darcey.
- 8.40 p.m.—Selection, GCL Orchestra.
- 8.44 p.m.—Song, Miss Alma Siggins.
- 8.48 p.m.—Cornet Solo, Mr. Vern Rogers.
- 8.55 p.m.—Humorous interlude, Mr. W.H. Rogers.
- 9 p.m.—G.P.O. chimes.
- 9.1 p.m.—Weather report.
- 9.2 p.m.—Dulcety's wheat report.
- 9.4 p.m.—Selection, GCL Orchestra.
- 9.45 p.m.—Talk on "China," supplied by China Inland Mission Station.
- 9.50 p.m.—Song, Miss H. Schneider.
- 9.54 p.m.—Vocal solo, Miss Lucretia Popkin.
- 9.58 p.m.—Recitation, Mr. W. L. Rowett.
- 9.44 p.m.—Song, Miss Stella Sobels.
- 9.55 p.m.—Selection, GCL Orchestra.
- 9.55 p.m.—Humorous interlude, Mr. W. H. Rogers.
- 10 p.m.—G.P.O. chimes.
- 10.1 p.m.—General news service.
- 10.20 p.m.—Selection, GCL Orchestra.
- 10.26 p.m.—Song, Mr. Ray Piercey.
- 10.34 p.m.—Recitation, Mr. W. L. Rowett.
- 10.40 p.m.—Song, Miss Alma Siggins.
- 10.44 p.m.—Selection, GCL Orchestra.
- 10.50 p.m.—Song, Miss Stella Sobels.
- 10.54 p.m.—Song, Mr. Ray Piercey.
- 10.58 p.m.—Station announcements.
- 11 p.m.—G.P.O. chimes and close down.

### 6WF, PERTH

- Tuesday.
- 12.30 p.m.—Tune in.
- 12.45 p.m.—First local news bulletin supplied by courtesy of "The West Australian" Newspaper Co.
- Market reports.
- Cable.
- 1 p.m.—Time signal from the Perth Observatories.
- 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 1.2 p.m.—STUDIO TRIO.
- 1.30 p.m.—Close down.
- 1.30 p.m.—Tune in.
- 2.35 p.m.—Musical programme, including pianoforte selections by Miss Evelyn Willis, A.R.C.M.
- 4 p.m.—STUDIO TRIO.
- 4.30 p.m.—Close down.
- 4 p.m.—Tune in.
- 7.5 p.m.—Status for Tiny Toes by Auntie Kate.
- 7.50 p.m.—Sports results supplied by courtesy of "The Mirror" Newspaper Co.
- 7.55 p.m.—Stage and ships intelligence.
- Market reports.
- Cable. News supplied by courtesy of "The West Australian" Newspaper Co.
- 8 p.m.—Time signal from the Perth Observatories.
- 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
- 8.2 p.m.—RADIO NIGHT.
- Concert by the Perth City Band, Conductor, Mr. W. A. Halverson.
- 9 p.m.—Talk: "The Bookware Industry of Western Australia," by a representative of the W.A. Bookware Co.
- 10 p.m.—Second local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.
- 10.30 p.m.—Close down.

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# Wednes., March 2 2FC, SYDNEY

### EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
- 7.5 a.m.—Studio music.
- 7.50 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.
- 7.55 a.m.—Investment market, mining share market, stock quotations.
- 8 a.m.—Wool sales, grainmarkets, markets.
- 8.15 a.m.—International, produce markets.
- 8.45 a.m.—"Sydney Morning Herald" news service.
- 9 a.m.—"Big Ben." Studio music.
- 9.15 a.m.—Close down.

### MORNING SESSION.

- 9.30 a.m.—Marching music for school children.
- 9.40 a.m.—Some popular records.
- 10 a.m.—"Big Ben" and announcements.
- 10.1 a.m.—Late "Sydney Morning Herald" news service.
- 10.15 a.m.—Studio music.
- 10.45 a.m.—A serial story.
- 11 a.m.—"The Ben", Australian Press Association and Healey's Cable Services.
- 11.10 a.m.—Studio music.
- 11.15 a.m.—A talk on home cooking and recipes by Miss Ruth Evans.
- 11.30 a.m.—Marching music for school children.
- 11.55 a.m.—Close down.

### MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
- 12.10 a.m.—Stock Exchange, first call.
- 12.16 p.m.—A popular record.
- 12.17 p.m.—Miss Diana Booth, soprano; "April Morn" (Batten).
- 12.20 p.m.—Studio music.
- 12.25 p.m.—Ragby wireless news.
- 12.25 p.m.—Miss Diana Booth, soprano; "I Plich my Lonely Cavalry" (Owens).
- 12.55 a.m.—Weather intelligence.
- 1.10 a.m.—"Big Ben," "Evening News" midday news service, "Producers' Distributing Society's" Report.
- 1.15 p.m.—FROM THE PITT STREET CONGREGATIONAL CHURCH.
- 1.20 a.m.—An Organ Recital arranged by Miss Lilian Frost.
- 1.25 p.m.—"Big Ben" Stock Exchange information, second call.
- 2.1 p.m.—Close down.

### AFTERNOON SESSION.

- 2.30 p.m.—Announcements.
- 2.35 p.m.—Music from the studio.
- 3 a.m.—A reading.
- 3.20 p.m.—Popular records.
- 3.30 p.m.—Marching music for school children.
- 3.45 p.m.—FROM THE PLATFORM OF THE SYDNEY TOWN HALL.
- A programme by J.P. articles on the occasion of the Radio and Electrical Exhibition.
- 2.45 p.m.—"Big Ben" Chimes.
- 2.46 p.m.—AF Tremain and his Dance Band; "The Walking Round in Circles" (Phillips).
- (a) "Rain-colored Glasses" (Deizer).
- 2.50 p.m.—Miss Mabel Sternberg, soprano; "Nihil Signum" (Maxeuer).
- 2.55 p.m.—Mr. Tom Faggett, novelty pianist.
- 3 p.m.—Mr. Tom Lamond, Tenor; "Dreams of the Dusk" (D'Harcelle).
- 3.05 p.m.—AF Tremain and his Dance Band; (a) "When Autumn Leaves are Falling" (Sylvier).
- (b) "Soothing" (Plink).
- NOTE—THE "HELLO MAN" WILL MEET THE CHILDREN AT THE EXHIBITION.

### AFTERNOON SESSION.

- 3.14 p.m.—Miss Mabel Sternberg, Soprano; "A Song of a Night" (Galloway).
- 3.18 a.m.—"Duck Movie".
- 3.22 p.m.—Mr. Tom Lamond, Tenor; "A Little Less Than Zero for Two" (Loehr).

- 4.28 p.m.—AF Tremain and his Dance Band; "Sweet Child" (Simon).
- 4.30 p.m.—FROM THE STUDIO; Some popular records.
- 4.45 p.m.—Stock Exchange, third call.
- NOTE—During the afternoon from Father's Tea Rooms the following artists will be heard:—Miss Annie Sedger, Soprano, and Miss Alice Bear, Mezzo.
- 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.
- 6.30 p.m.—A story for the older ones.
- 6.35 p.m.—Dinner music.
- 6.38 p.m.—"Big Ben." Late sporting news.
- 7 p.m.—Daily's Market Reports, wool, wheat and stock.
- 7.10 p.m.—Fruit and vegetable markets.
- 7.12 p.m.—Weather and shipping intelligence.
- 7.15 p.m.—Stock Exchange.
- 7.17 p.m.—Late "Evening News" news service.

### NIGHT SESSION.

- 7.20 p.m.—FROM THE LYCEUM HALL, PITT STREET, SYDNEY.
- Items from the Home Mission Demonstration.
- 7.30 p.m.—"Big Ben." FROM THE LYRIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY.
- Items by Jimmy Elkins and his Orchestra, with the Grand Organ.
- 7.35 p.m.—FROM THE SYDNEY TOWN HALL PLATFORM.
- A programme by 2FC Artists at the Radio and Electrical Exhibition.
- "Big Ben" Chimes.
- 8.15 p.m.—The Metropolitan Band, conducted by Mr. John Palmer; "March, 'Ravenswood' (Rhemer).
- 8.20 p.m.—Mr. Norman Jensen, Baritone; "Tosca's Song" (Carmen) (Bliss).
- 8.25 p.m.—THE 2FC Studio Dance Band, conducted by Mr. Eric Pearce; (a) Fox Trot, "Smiling Eyes". (b) Fox Trot, "How Could Red Riding Hood" (Bandoloff).
- 8.30 p.m.—Mr. Bob Gurling and "Jerry" in ventriloquist patter.
- 8.35 p.m.—The Metropolitan Band, under the Baton of Mr. John Palmer; Selection, "Pirates of Penzance" (Sullivan).
- 8.47 p.m.—Miss Alice Prosser, Contralto; (a) "Cradle Song" (Kremer). (b) "Home" (Walford-Davies).
- 8.55 p.m.—Mr. Arthur A. Sassebone Solo.
- 8.57 p.m.—Mays Hunter and his Hawaiian Troubadours; (a) "Alohi" (Kalekava). (b) "Hawaiian Waltz" (Sherman). (c) "Hawaian Song" (Holmstrom); Banjo solo. (d) "Hula Medley" (arr. Hunter).
- 9.1 p.m.—Mr. Norman Jensen, Baritone; "Waltz for Alfred Hill" (Sherman).
- 9.15 a.m.—THE 2FC Studio Dance Band; (a) Waltz, "Blame it on the Waltz" (Kahnt). (b) Fox Trot, "Where Did You Get Those Eyes" (Donaldson).
- Accompanied by Mr. HORACE KEATS, Arranger. Mr. A. S. COPPINS.
- 9.20 p.m.—FROM THE STUDIO; Miss Vera Spaul and her Double in popular numbers.
- 9.25 p.m.—The Metropolitan Band, conducted by Mr. John Palmer; Selection, "Robbie Girl" (Hall).
- 9.35 p.m.—Mr. Norman Jensen, Baritone; (a) "Pleading" (Eggar). (b) "The Linden Lea" (Williams).
- 9.45 p.m.—The Metropolitan Band; "Fantasia" (Ripier).
- 9.52 p.m.—Miss Vera Spaul in popular numbers.
- NOTE—THE 2FC Studio Dance Band, conducted by Mr. Eric Pearce; Fox Trot, "Drifting and Dreaming" (Alphie).
- 10.5 p.m.—Miss Alice Prosser, Contralto; "An Evening Song" (Carmen).
- 10.10 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE; Jimmy Elkins and his Orchestra, with the Grand Organ.
- 10.20 p.m.—FROM THE STUDIO; Miss Alice Prosser, Contralto; "At the Mid Hour of Night" (Carmen).
- 10.31 p.m.—Mays Hunter and his Hawaiian Troubadours; (a) "Hawaiian Nightingale" (De Loeth). (b) "Sweet Hawaiian Sands" (O'Hagan).
- 10.44 p.m.—Late news and announcements.
- 10.48 p.m.—THE 2FC Studio Dance Band, conducted by Mr. Eric Pearce; Fox Trot, "Pepis".
- 10.48 p.m.—Celebrity records.
- 11 p.m.—"Big Ben." FROM THE WENT-WORTH CAFE, SYDNEY; The New Wentworth Symphonic Dance Orchestra, conducted by Mr. Sydney Simpson, will play until midnight.
- 12 midnight—"Big Ben." National Anthem. Close down.

# 2BL, SYDNEY

### Wednesday.

### EARLY MORNING SESSION.

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

### MORNING SESSION.

- 8.1 a.m.—G.P.O. Clock and Chimes.
- 8.11 a.m.—Weather report.
- 8.13 a.m.—Musical programme from the Studio.
- 8.16 a.m.—Sydney "Daily Telegraph" news service.
- 8.16.5 a.m.—Habit market report.
- 8.17 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.
- 8.25 a.m.—London metal quotations.
- 8.30 a.m.—Ships in call by wireless.
- 8.32 a.m.—Information re inter-rails and overseas mail.
- 8.35 a.m.—Shipping information—arrivals and departures.

### WOMEN'S SESSION.

- 8.38 a.m.—"WALKING TOURS," by Miss Gwen Varley, Broadcasters' women's sports author.
- 8.41 a.m.—Mrs. Jordan discusses the Social Notes for the day.
- 8.45 a.m.—Mrs. Jordan replies to correspondents.
- 8.55 p.m.—Talk on "Infant Welfare," by Dr. Macrie.
- 9.30 p.m.—G.P.O. Clock and Chimes.
- 9.31 p.m.—Sydney Stock Exchange calls.
- 9.35 p.m.—News from the "Sun."
- 9.45 p.m.—Musical programme from the Studio.
- 1 p.m.—G.P.O. Clock and Chimes.
- 1.1 p.m.—Piano Concerto Lecture Recital by Mr. Arnold R. Moe, broadcast from the Fine Art Gallery, Anthony Hordern.
- 1.40 p.m.—News from the "Sun."
- 1.50 p.m.—Sydney Stock Exchange calls.
- 2 p.m.—G.P.O. Clock and Chimes.
- 2.1 p.m.—Weather report and forecast.
- 2.2 p.m.—Social Notes from the "Sun."
- 2.8 p.m.—Musical programme from the Studio.
- 2.25 p.m.—Racing resume.
- 2.30 p.m.—G.P.O. Clock and Chimes.

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3.31 p.m.—News from the "Sun"  
 3.45 p.m.—Musical programmes from the Studio.  
 3.55 p.m.—G.P.O. Clock and Chimes  
 4.1 p.m.—Racing resume.  
 4.15 p.m.—News from the "Sun"  
 4.20 p.m.—Musical programmes from the Studio.  
 5.45 p.m.—News from the "Sun"  
 4 p.m.—G.P.O. Clock and Chimes  
 4.1 p.m.—Musical programme from the Studio.  
 4.15 p.m.—Serial Story.  
 4.30 p.m.—G.P.O. Clock and Chimes.  
 4.31 p.m.—Musical programme from the Studio.  
 4.45 p.m.—Producers' Distributing Society's vegetable and fruit market report.  
 4.50 p.m.—Shipping information when available.  
 4.52 p.m.—Day's racing resume.  
 4.55 p.m.—News from the "Sun."  
 4.58 p.m.—Resume of night's programme.  
 5 p.m.—G.P.O. Clock and Chimes  
 Close down.

**EARLY EVENING SESSION.**  
 5.45 p.m.—G.P.O. Clock and Chimes.  
 5.55 p.m.—Uncle George and the Kiddies.  
 6.40 p.m.—Musical programme from the Studio.

**SPECIAL COUNTRY SESSION.**  
 7 p.m.—G.P.O. Clock and Chimes.  
 Australian Mercantile, Land and Finance Co's report.  
 Weather report and forecast by courtesy of Government Meteorologist.  
 Producers' Distributing Society's fruit and vegetable market report.  
 Stock Exchange reports.  
 Grain and Cattle report ("Sun").  
 Dairy produce report ("Sun").  
 7.15 p.m.—Country news from the "Sun."  
 7.45 p.m.—Talk on "Books, Wise and Otherwise."  
 9 p.m.—G.P.O. Clock and Chimes.  
 Broadcasters' Topical Chorus.  
 9.5 p.m.—Items broadcast from the Straube Piano Salon.  
 9.52 p.m.—Duets by Ivor Marshall and Frank Clarke.  
 9.45 p.m.—Madame Phyllis Howe, soprano.  
 9.55 p.m.—Resume of following day's programme.  
 Weather report and forecast by courtesy of Mr. C. J. Hares, Government Meteorologist.  
 9 p.m.—G.P.O. Clock and Chimes.  
 9.1 p.m.—Broadcasters' Trio.  
 9.11 p.m.—Eric Masters, descriptive baritone.  
 9.12 p.m.—Neil Crane and Alf J. Lawrence.  
 9.24 p.m.—Broadcasters' Trio.  
 9.41 p.m.—Interval.  
 9.45 p.m.—Madame Phyllis Howe.  
 9.58 p.m.—Broadcasters' Trio.  
 10.08 p.m.—Mr. Eric Masters.  
 10.11 p.m.—The Ambassadors Dance Band broadcast from the ballroom of the Ambassadors. During the intervals between dances news reports by courtesy of the "Sun" will be broadcast.  
 12 midnight.—G.P.O. Clock and Chimes.  
 National Anthem.

**2GB, SYDNEY**

**Wednesday.**  
**MORNING SESSION.**  
 Closerly Hour. Conducted by Mr. J. K. Powell.  
 2.30 a.m.—Cheerio Talk.  
 9.45 a.m.—Music.  
 9.50 a.m.—Psychological Class.  
 10.5 a.m.—Music.  
 10.20 a.m.—Biographical Talks for Schools.  
 10.25 a.m.—Music.  
 10.30 a.m.—Close down.

**AFTERNOON SESSION.**  
 1.30 p.m.—Music News and Notes.  
 1.45 p.m.—Astrology. What is It? Mrs. Parker.  
 4 p.m.—Piano Solo. Miss Ruth Pearce Jones.  
 4.10 p.m.—Miss L. Davies on Psychology.  
 4.50 p.m.—Close down.

**EVENING SESSION.**  
 6.30 p.m.—Children's Session, conducted by Mr. J. K. Powell.  
 7.55 p.m.—Instrumental Trio. Dan Scally, Maurice Lang, Ada Brook.  
 8.10 p.m.—Address by Professor Ernest Wood.  
 8.15 p.m.—Songs by Clement Hoakley.  
 8.25 p.m.—Violin Solo by Dan Scally.  
 8.35 p.m.—200 Vocal Quartette.  
 Ethel Jones, Sybil Bevan, Thos. Hall, Clement Hoakley.  
 8.45 p.m.—Musical Monologues.  
 8.55 p.m.—Announcements.  
 9.5 p.m.—Songs by Eva Creft.  
 9.12 p.m.—Topical Talk.  
 9.47 p.m.—200 Quartette.  
 9.57 p.m.—Piano Solos. Ada Brook.  
 9.58 p.m.—Musical Monologues.  
 9.59 p.m.—Cheerio Talk.  
 10 p.m.—Great Thoughts from Great Minds.

**3LO, MELBOURNE**

**Wednesday.**  
**MID-DAY SESSION.**  
**MERRY AND MUSICAL MOMENTS.**  
**JOE ARONSON AND HIS SYMPOZIST.**  
**SYMPHONISTS.**  
 KIDNEY BURCHALL, baritone.  
 OSBORNE and PERRYER.  
 RUTH BEVAN, soprano.  
 Announcer: MAURICE DUDLEY  
 Accompanist: AGENE FORTUNE  
 12 noon.—Time Signal. British Official Wireless news from Rugby, Rouletoe and the Australian Press Association Cables.  
 12.15 p.m.—Stock Exchange Information.  
 12.30 p.m.—JOE ARONSON AND HIS SYMPOZIST SYMPOZISTS:  
 "Hi Ho the Merri" (Brown).  
 "You Need Someone to Love" (Glynn).  
 "It made you Happy" (Donahoe).  
 12.30 p.m.—SIDNEY BURCHALL:  
 "Road to Mandalay" (Speaks).  
 "Brown Bird Staring" (Haydn Wood).  
 12.37 p.m.—JOE ARONSON AND HIS SYMPOZIST SYMPOZISTS:  
 "Kisses" (Birt).  
 "I Want a Pardon for Dearly" (Reilly).  
 "Clap Hands, Here Comes Charlie" (Meyer).  
 "Dialectic Diatribes."  
 12.39 p.m.—JOE ARONSON AND HIS SYMPOZIST SYMPOZISTS:  
 "St. Louis Blues" (Handy).  
 "Sail" (Gordon).  
 "Speech" (Friend).  
 12.42 p.m.—BETTY LEVIAN, soprano.  
 "I Love You Truly" (Boud).  
 "To a Miniature" (Ishazo).  
 12.48 p.m.—WEATHER REPORTS.  
 1.30 p.m.—JOE ARONSON AND HIS SYMPOZIST SYMPOZISTS:  
 "While the Years go Drifting By" (Kakko).  
 "Oxalis" (the Piano) (Country).  
 "Some other Bird Whistled a Tune" (Byvan).  
 1.36 p.m.—BETTY BEVAN, soprano:  
 "Smiles" (Friend).  
 "A Little Cow's Prayer" (Hoop).  
 1.43 p.m.—JOE ARONSON AND HIS SYMPOZIST SYMPOZISTS:  
 "Moonlight on the Gauze" (Friend).  
 "That Night in Army" (Snyder).  
 "On the Beach" (Hitch).  
 1.53 p.m.—SIDNEY BURCHALL, baritone:  
 "Jaws" (Berleigh).  
 "Winnee-o-o Winneest" (Phillips).  
 2 p.m.—Close down.  
 2.15 p.m.—Description of Moorabool Huette, Geelong Race, by "Musket," of the "Sporting Globe."  
 2.40 p.m.—Description of Novice Handicap, by "Musket."

**AFTERNOON SESSION.**  
**FOR THE SPORTS.**  
**THE STUDIO ORCHESTRA.**  
**HUXHAM'S SERENADERS.**  
 NGAIHE and TONTON.  
 JONHE and RAINE.  
 ABELLE INMAN, soprano.  
 Announcer: MAURICE DUDLEY  
 Accompanist: AGENE FORTUNE  
 3 p.m.—STUDIO ORCHESTRA:  
 "The Comrade" (Johnston).  
 3.10 p.m.—Description of Newtown Place, Geelong Race, by "Musket," of the "Sporting Globe."  
 3.25 p.m.—HUXHAM'S SERENADERS:  
 Quartet, "Smiling Sun" (Howe).  
 EDITH HUXHAM, DOLLY BURDETT, RENN MILLAR and H. HUXHAM.  
 Soprano Solo: "I Hit My Love" (D'Hardool).  
 EDITH HUXHAM.  
 STUDIO ORCHESTRA:  
 "High Jinks" (Part 1).  
 Humorous Duo: "The Barons of Pudda."  
 RENN MILLAR and BIRCH HUXHAM.  
 Ban Solo: "It Wins or Loses."  
 RENN MILLAR.  
 STUDIO ORCHESTRA:  
 "High Jinks" (Part 2).  
 Operatic Quartet, "Carmen" (Lena Wilson).  
**THE SERENADER QUARTET.**  
 4.45 p.m.—NGAIHE and TONTON:  
 Xylophone, "Samson and Delilah."  
 Recitation, "Pierrot and Pierrette."  
 4.55 p.m.—Description of Gold Cup, Geelong Race, by "Musket," of the "Sporting Globe."  
 5.00 p.m.—JONHE and RAINE:  
 Song, "Woe the Kind of Girl."  
 Human Pianola, "Medley Organum."  
 4 p.m.—ABELLE INMAN, soprano:  
 "Smiling Sun."  
 "Let us Forget" (Maude Valeria White).  
 4.1 p.m.—STUDIO ORCHESTRA:  
 Selection, "Madame Butterfly" (Puccini).  
 4.20 p.m.—Description of Newtown Place, Geelong Race, by "Musket," of the "Sporting Globe."  
 4.30 p.m.—W. TONTON:  
 Xylophone, "Humorous."  
 "The Gertie Party."  
 4.35 p.m.—ABELLE INMAN, soprano:  
 "A Memory" (Maude Valeria White).  
 "When the Swallows Homeward Fly."  
 4.45 p.m.—"Harold" news service. Stock Exchange information.  
 4.45 p.m.—Description of Harrow Water, Geelong Race, by "Musket," of the "Sporting Globe."  
 4.50 p.m.—News service continued.  
 5 p.m.—Close down.

**EVENING SESSION.**  
 5.40 p.m.—CHILDREN'S HOUR.  
 Answers to letters and Birthday greetings.  
 5.45 p.m.—STUDIO ORCHESTRA:  
 "Childhood Memories," Part 1 (Somers).  
 6.0 p.m.—MARY, MARY, QUITE CONTRARY:  
 "Why the Spider Spins a Web."  
 6.11 p.m.—STUDIO ORCHESTRA:  
 "Childhood Memories," Part 2.  
 6.20 p.m.—MARY, MARY, QUITE CONTRARY:  
 "The Wild Swans."  
 6.30 p.m.—"Argue" and "Rejoice" news service. Weather and Aerial Mail Information by the Australian Aerial Services, Ltd.  
 6.40 p.m.—Stock Exchange Information. Overseas shipping.  
 6.50 p.m.—Fish Market reports by J. K. Howland.  
 6.55 p.m.—River reports.  
 6.58 p.m.—Market reports by the Victorian Producers' Cooperative Co., Ltd., Haymarket Street, Melbourne. Produce, Grain, Cattle, Hay, Straw, Milk, Dairy Produce, Potatoes and Onions.  
 7 p.m.—Market prices of Oranges and Lemons by the Victorian Central Citrus Association. Fruit Market reports by the Victorian Wholesale Fruitlers' Association, compiled by "The Fruit World," exclusive to 3LO.

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**NIGHT SESSION.**

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Speakers:

**MR. R. CROWE, "GARGOYLE,"**  
**CAPT. PETERS, NORMAN McCANCE,**  
**FRABIAN CITY BAND.**

**ADELE INMAN** soprano;  
**LEN GIBSON'S SEXTETTE,**  
**JONES AND RAINE,**  
**HUXHAM'S SEPTETS DIERS,**  
**OSBORNE AND FERRYER,**  
**SIDNEY BURCHALL,**  
**NORMAN BRADSHAW**, tenor.  
Announcer: ALFRED ANDREW  
Accompanist: AGNES FORTUNE  
7.15 p.m.—Under the auspices of the Department of Agriculture, MR. R. CROWE, Export Superintendent.

"Market Comments."  
7.30 p.m.—"GARGOYLE"—A Talk upon how best to obtain efficient, reliable and economical operation from your car.

"Motor Car Maintenance."  
7.45 p.m.—CAPT. PETERS;  
"Books Wise and Otherwise."

8 p.m.—FRABIAN CITY BAND;  
Selection, "H.M.S. Pinafore" (Sullivan).

8.15 p.m.—ADELE INMAN, soprano;  
"Author" (Trotter).

"The Little Damper" (Novella).  
8.15 p.m.—LEN GIBSON'S SEXTETTE;  
"La Serenata" (Draux).

Mandolin solo, "Melody in F" (Rubenstein)  
"Neath Hawaiian Stars" (Terriss).

8.30 p.m.—JONES AND RAINE;  
Song, "Could Stan Dance In It?"  
Duet, "Why do you see Boys."

8.45 p.m.—FRABIAN CITY BAND;  
March, "The Black Night" (Rimmer).  
Popular No. 1, "Barcarolle" (Bizet).

8.45 p.m.—HUXHAM'S SERENADES;  
Quartet, "Dear Old Song."

EDITH HUXHAM, DOLLY BURDETT,  
KEVIN MILLAR AND H. HUXHAM.  
Contralto Solo, "Vale" (Rossini).

DOLLY BURDETT,  
Len Gibson, Mandolin Solo;  
"Serenade" (Sala).

Novelty, "Opera N. Ragtime."  
THE KERENADEER QUARTET.  
Humorous Song, "Providing."

EDITH HUXHAM,  
Len Gibson's Sextette;  
"Slony Honolulu Moon" (Terriss).

Operatic Quartet, "Cavalleria Rusticana."  
THE SERENADER QUARTET.

8.10 p.m.—MR. NORMAN McCANCE will speak on "Auction Bridge."

9.25 p.m.—FRABIAN CITY BAND;  
Internesno, "Hyacinth" (Hanes).  
March, "Do Many Flowers" (Cade).

9.35 p.m.—OSBORNE AND FERRYER.  
"Cameo of Domestic Adversity."

9.50 p.m.—British Official Wireless news. Announcement.

10 p.m.—FRABIAN CITY BAND;  
Fox-trot, "When the Red, Red Rollin"  
(Woods).

March, "The Commonwealth" (Rimmer).  
10.10 p.m.—SIDNEY BURCHALL, baritone;  
"Her Dream" (Walker).  
"Dearest" (Kitty Parker).

10.15 p.m.—LEN GIBSON'S SEXTETTE;  
"Lamentation";  
Mandolin and Steel Guitar;  
"Over the Waves."  
"Moon River."

10.45 p.m.—NORMAN BRADSHAW, tenor;  
"Elegie" (Massenet).  
"The Sea Gipsy" (Willeby).

10.45 p.m.—FRABIAN CITY BAND;  
Overtures, "Napoleon" (Bilzon).  
10.45 p.m.—SIDNEY BURCHALL, baritone;  
"Walking Round in Circles" (Phillips).  
"Make Your Sorrow" (Sherman).

10.51 p.m.—Argus news service. Meteorological Information. Announcements.

11 p.m.—OUR GREAT THOUGHT;  
"Enthusiasm is the height of man; it is the passing from the human to the divine."  
—Emerson.

11.1 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS;  
"Melanie" (Went).  
"Body and Soul" (O'Hagan).  
"Sweet Hawaiian Sands" (O'Hagan).

11.10 p.m.—NORMAN BRADSHAW, tenor;  
"Nirvana" (Adams).

11.14 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS;  
"On the Face of Things";  
"Loosene and Sorry" (Davis).  
"Do You Believe in Dreams" (Hilft).

11.24 p.m.—NORMAN BRADSHAW, tenor;  
"Ma L'Esperance."

11.25 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS;  
"Dying for the Moon" (Conley).  
"There Never was a Pain Like You" (O'Hagan).

"Barcarolle"—"Avron Strings."  
"Just Around the Corner."

11.40 p.m.—GOD SAVE THE KING.

**4QG, BRISBANE**

Wednesday.

**EARLY MORNING SESSION.**  
6.30 a.m.—Physical culture session.  
7 a.m.—Close down.

**MIDDAY SESSION.**

10 a.m.—Tune in.  
1 p.m.—Market reports, weather information supplied by the Commonwealth Weather Bureau. News service supplied by "The Daily Mail" and the "Daily Standard."

2.30 p.m.—From Hotel Carlton, lunch music from the Lounge, Hotel Carlton, played by Hotel Carlton Symphony Orchestra.

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

5 p.m.—Close down.

**AFTERNOON SESSION.**  
3.40 p.m.—From Hotel Carlton, afternoon tea music from the Lounge, played by Hotel Carlton Symphony Orchestra.

4.45 p.m.—From the studio, news service supplied by "The Telegraph."

4.50 p.m.—Close down.

**EARLY EVENING SESSION.**  
6 p.m.—"Daily Standard" news, announcements.

6.30 p.m.—"The Children's Hour"—Stories by "Little Miss Brisbane."  
Lectures—"The Mistle Plant" by Mr. J. R. MacMillan (Plant Breeder, Queensland Agricultural High School and College).

7.00 p.m.—Black reports, announcements, weather news.

7.45 p.m.—Standard time signal.

**NIGHT SESSION.**  
7.45 p.m.—Lecture Swenson A French Talk—the seventh of a series by Comte de Tournour (President Brisbane Alliance Francaise).

**STUDIO CONCERT.**  
8 p.m.—Overture, "Little Redcap" (Greenwald), the Studio Orchestra conductor Mr. R. K. Featherston; soprano solo, "Sing Sweet Bird" (Gautier), Miss J. J. Marjorie; minuet, "The Nutt Knitter" (Lange), Miss Elsie Allen; male quartette, "Hoop, Hoop, Hoop" (Kubsek), the Lyric Male Quartette; cabaret, "Forest Hill" (Gautier), the Studio Orchestra; contralto solo, "Song of the Little Folk" (Coates), Miss Mildred Bell; group of basic numbers, Mr. N. Gould; tenor solo, "I Hear a Thousand Eyes" (Gautier), Mr. John Steele; selection, "A Ballad Soloist" (Ashton), the Studio Orchestra; soprano solo, "Village" (Lehar), Miss J. J. Marjorie.

9 p.m.—Meteorological weather forecast.  
Fox-trot, "Frotzburgh" (Basse), the Studio Orchestra; contralto solo, "The Market" (Molly Carey), Miss Mildred Bell; minuet, "Courtship under Difficulties," Miss Elsie Allen; Internesno, "Luzapha" (Schubert), the Studio Orchestra; tenor solo, "Go Lovely Rose" (Quilter), Mr. John Steele; contralto solo, "The Promise of Life" (Grove), Miss Vera Parker; male quartette, "Old Mother Hubbard," the Lyric Quartette; baritone solo, "Dario" (Forzi), Mr. H. Daniels; group basic numbers by Mr. N. Gould; contralto solo, "Before You Come" (Wilson), Miss Vera Parker; one-

step, "Te Fi Fo Fun" (Mutsan), the Studio Orchestra; baritone solo, "The Mighty Deep" (Jude), Mr. H. Daniels; male quartette, "The Old Folks at Home," the Lyric Male Quartette; tenor solo, soprano, duet, Mr. Marion Carey; minuet, "Menet Aristocratique" (Thure), the Studio Orchestra.  
10 p.m.—The "Daily Mail" news, weather news. Close down.

**5CL, ADELAIDE**

Wednesday.

**MORNING SESSION.**

11.50 a.m.—G.P.O. chimes.  
12.31 a.m.—Stock Dup Art number.  
11.50 a.m.—"Advertiser" news service.  
11.55 a.m.—Vocalion number.

12 noon.—G.P.O. chimes.  
12.15 p.m.—"Advertiser" news service.  
12.16 p.m.—Stock Dup Art number.

12.30 p.m.—Stock Exchange reports, official weather synopsis and station announcements.  
12.35 p.m.—G.P.O. chimes.

12.40 p.m.—Studio Orchestra; Selection, "Lucia di Lammermoor"; waltz, "Apostle"; fox trot, "Rosa-colored roses"; waltz, "Lavender and Ice"; "Man of Sparta"; violin solo, "Oriental" selection, "Second merry England"; soprano, "Cocotte"; flute, "Dimp and circumstantial."

2 p.m.—G.P.O. chimes and close down.

**AFTERNOON SESSION.**  
3 p.m.—G.P.O. chimes.  
3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral numbers.

3.40 p.m.—From the Studio—Stock Dup Art and Vocalion numbers.

4 p.m.—G.P.O. chimes.  
4.1 p.m.—Relay from the Arcadia Cafe—Orchestral numbers.

4.30 p.m.—Stock Exchange reports, general information and station announcements.

5 p.m.—G.P.O. chimes and close down.

**EVENING SESSION.**  
6.30 p.m.—G.P.O. chimes.  
6.45 p.m.—Stock Dup Art number.

6.45 p.m.—Reading station.  
7.30 p.m.—Market reports.  
7.45 p.m.—Boy Scouts' Corner.  
7.50 p.m.—Faulding's scientific talk.

8 p.m.—G.P.O. chimes.  
An evening of short plays by the following: Miss Gwen Hunt, Mr. Steve Dunlop, Mr. Frank Johnstone, Miss Kath Wilkist, Miss Bevil Roberts and partner, interspersed with vocal and instrumental numbers by Miss Hazel Coomber (soprano-soprano), Mr. Eric MacLaughlin (violin solo), Miss Cecilia Gifford (accompanist).

9 p.m.—G.P.O. chimes.  
9.1 p.m.—Weather report.

9.3 p.m.—Delety's what report.  
9.4 p.m.—Short plays continued.

10 p.m.—G.P.O. chimes.  
10.3 p.m.—"Advertiser" news service.  
10.35 p.m.—Short plays continued.

10.45 p.m.—Station announcements.  
11 p.m.—G.P.O. chimes and close down.

**6WF, PERTH**

Wednesday.

12.30 a.m.—Tune in.  
12.45 a.m.—First local news bulletin.  
Market reports.  
Cables.

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

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

1.2 p.m.—STUDIO SEPTETTE.  
2 p.m.—Close down.  
3.30 p.m.—Tune in.



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3.35 p.m.—Musical programme.  
 4 p.m.—STUDIO THEATRE.  
 4.26 p.m.—Close down.  
 7 p.m.—Tune In.  
 7.5 p.m.—A playette for the kiddies by Uncle Duffy, with Aunties Kate and Evelyn, and Uncles Henry, Leslie, Perry and Duffy.  
 7.38 p.m.—Stock and share intelligence.  
 Market reports.  
 Cables. News supplied by courtesy of "The West Australian" Newspaper Co.  
 8 p.m.—Time signal from the Perth Observatory.  
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.  
 8.2 p.m.—MUSIC AND SONG.  
 Selections by The Studio String Trio:  
 Miss Evelyn Willis, A.R.C.M., piano.  
 Mr. H. G. Basham, cello.  
 Mr. H. T. Newton, violin.  
 Miss Gertrude Thompson, soprano.  
 10 p.m.—Second local news bulletin supplied by courtesy of "The Daily News" Newspaper Co.  
 10.59 p.m.—Close down.

## Thursday, March 3 2FC, SYDNEY

### EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.  
 7.5 a.m.—Studio music.  
 7.16 a.m.—Official weather forecast, rainfall, temperatures, astronomical observations, 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.  
 9.45 a.m.—A popular record.  
 9.55 a.m.—Last minute sporting information by the 2FC Racing Commissioner.  
 10 a.m.—"Big Ben" and announcements.  
 10.5 a.m.—Late "Sydney Morning Herald" news service.  
 10.15 a.m.—Studio music.  
 10.45 a.m.—A 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 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 p.m.—Stock Exchange, first call.  
 12.16 p.m.—Studio music.  
 12.50 p.m.—Rugby wireless news.  
 12.55 p.m.—Miss Chris Hawkeford, Soprano: "The Auld Nook" (Leontstaff).  
 1 a.m.—"Big Ben." Weather intelligence.  
 1.8 p.m.—"Evening News" midday news service. Producers' Distributing Society's Report.  
 1.20 p.m.—Studio music.  
 1.24 p.m.—Miss Chris Hawkeford, Soprano: "Two Eyes of Gray" (McFie).  
 1.28 p.m.—Stock Exchange, second call.  
 1.30 p.m.—Marching music for school children.  
 1.40 p.m.—Studio music.  
 1.55 p.m.—Last minute sporting information by the 2FC Racing Commissioner.  
 2.10 p.m.—Close down.

### AFTERNOON SESSION.

2.30 p.m.—Programme announcements.  
 2.35 p.m.—Music from the Studio.  
 3 p.m.—A reading.  
 3.50 p.m.—Some popular records.

3.45 p.m.—FROM THE PLATFORM OF THE SYDNEY TOWN HALL:  
 A programme by 2FC Artists on the occasion of the Radio and Electrical Exhibition.  
 "Big Ben" Chimes.  
 3.48 p.m.—The 2FC Studio Dance Band, Directed by Mr. Eric Pearce:  
 Fox Trot: "Just a Bird's-eye View" (Donahedian).  
 3.50 p.m.—Miss Suzanne Ennis, Contralto:  
 "My Son" (del Regui).  
 3.54 p.m.—The "Hello Man."  
 3.57 p.m.—Mr. Wally Boynes, Popular Comedian.  
 4.3 p.m.—The 2FC Studio Dance Band:  
 (a) Fox Trot: "Hi Ho the Merry" (Davis).  
 (b) Waltz: "Minnonite" (Nickoll).  
 4.10 p.m.—Mr. Bus Garling and "Jerry."  
 4.16 p.m.—Miss Suzanne Ennis, Contralto:  
 "The Star" (Rogers).  
 4.23 p.m.—The 2FC Studio Dance Band:  
 "Peppin."  
 Announcer .... Mr. A. R. COCHRANE.  
 Accompanist .... Mr. EDWARD CHAPPELL.  
 4.30 a.m.—FROM THE STUDIO:  
 Musical items.  
 4.45 p.m.—Stock Exchange, third call.  
 NOTE—During the afternoon from Farmer's Tea Rooms the following artists will sing:  
 Miss Olga Briggs, Soprano:  
 (a) "The Scavenger" (Davis).  
 (b) "Ombon de Florian" (Lodard).  
 Mr. Fred Harnam, Baritone:  
 (a) "Remembrance" (Sanderson).  
 (b) "Trees" (Bashard).  
 4.46 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.  
 6.10 p.m.—A serial story for the older ones.  
 6.40 p.m.—Dinner music.  
 7 p.m.—"Big Ben." Late sporting news.  
 7.10 p.m.—Dalrymple's Market reports: wool, wheat and stock.  
 7.18 p.m.—Fruit and vegetable markets.  
 7.25 p.m.—Weather and shipping intelligence.  
 Stock Exchange.  
 7.25 p.m.—Late "Evening News" news service.  
 NIGHT SESSION.  
 7.40 p.m.—Programme announcements.  
 7.45 p.m.—Hints to listeners by the Technical Editor of "Wireless Weekly."  
 8 p.m.—"Big Ben." From the Studios:  
 The Randwick Municipal Band:  
 March: "Trombones" (Himmell).  
 8.10 p.m.—Mr. Maurice Byrn in a Diapet, specially written by him for 2FC:  
 "Alfonso and Jimna at the Opera in Paris."  
 8.25 p.m.—The Randwick Municipal Band:  
 "In a Chinese Temple Garden" (Kochler).  
 8.30 p.m.—Mr. Harry Juffin, the well-known cartoonist, in a series of Radio Cartoons and comic drawings.  
 8.35 p.m.—Miss Joyce Hadley, Soprano:  
 "Simplicity and Faith" (Dembar).  
 8.50 p.m.—The Randwick Municipal Band:  
 "La Traviata" (Verdi).  
 9.10 p.m.—Mr. Graham-Smith will commence a series of Tuesday evening Book Reviews.  
 9.25 p.m.—Mr. Charles Stephens, Tenor:  
 "The English Rose" (German).  
 9.30 p.m.—The Randwick Municipal Band:  
 "Serenade" (Schubert).  
 9.35 p.m.—Mr. Robert Turner, Entertainer:  
 "Babbalins of Bible on Languages."  
 9.42 p.m.—The Randwick Municipal Band:  
 "The Tree" (Horne).  
 9.5 p.m.—Miss Joyce Hadley, Soprano, and Mr. Charles Stephens, Tenor:  
 Inst. "Vegetation Song" (Tost).  
 9.58 p.m.—Mr. Arthur Price, Baritone solo.  
 10.5 p.m.—Miss Joyce Hadley, Soprano.  
 "I Dreamt That I Was" (Belle).  
 10.7 p.m.—Mr. Robert Turner, Entertainer:  
 (a) "Wholes" (Aronthrop).  
 (b) "If You Had a Cottage like Mine" (Valentin).  
 10.14 a.m.—Mr. Charles Stephens, Tenor:  
 "Lullie" (Pecca).  
 10.18 p.m.—Mr. Arthur Price, Baritone Solo.  
 10.25 p.m.—Miss Joyce Hadley, Soprano, and Mr. Charles Stephens, Tenor.

Duet: "Say That You Love Me" (Campa).  
 10.30 p.m.—FROM THE WENTWORTH CAPE, SYDNEY: The New Wentworth Symphonic Dance Orchestra, conducted by Mr. Sydney Simpson.  
 10.52 p.m.—Celebrity records from the Studio.  
 11 p.m.—"Big Ben" and announcements.  
 11.5 p.m.—The New Wentworth Symphonic Dance Orchestra in popular numbers, strict midnight. Conductor, Mr. Sydney Simpson.  
 12 midnight—"Ben Ben."  
 National Anthem.  
 Close down.

## 2BL, SYDNEY

### Thursday.

#### EARLY MORNING SESSION.

7.10 a.m.—G.P.O. Clock and Chimes.  
 7.16 a.m.—Musical programme from Studio.  
 7.18 a.m.—Physical training and health exercises.  
 7.35 a.m.—Hints on health.  
 7.50 a.m.—Physical training and health exercises.  
 7.55 a.m.—G.P.O. Clock and Chimes.  
 7.45 a.m.—Weather report.  
 7.49 a.m.—Sporting information.  
 7.58 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.  
 10.5 a.m.—Weather report.  
 10.2 a.m.—Musical programme from the Studio.  
 10.20 a.m.—News service from the "Daily Telegraph."  
 10.35 a.m.—Musical programme from the Studio.  
 10.40 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.  
 11.1 a.m.—Fish market report.  
 11.16 a.m.—Vegetable market report.  
 11.21 a.m.—Fruit market report.  
 11.25 a.m.—London dairy, farm, wool, and poultry market report.  
 11.35 a.m.—London metal quotations.  
 11.39 a.m.—Stops in call by wireless.  
 11.41 a.m.—Information re interstate and overseas mails.  
 11.43 a.m.—Shipping information—arrivals and departures.  
 11.45 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 Furniture" by Mrs. Jordan.  
 12.30 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.  
 12.32 a.m.—Sydney Newspaper news service.  
 12.45 p.m.—Miller's Instrumental Quartet. Direction Caryl Casting.  
 1.30 p.m.—G.P.O. Clock and Chimes.  
 1.31 p.m.—Weather report.  
 1.35 p.m.—Sydney Stock Exchange calls.  
 1.45 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."  
 3 p.m.—G.P.O. Clock and Chimes.  
 3.1 p.m.—Weather report and forecast.  
 3.2 p.m.—Social Notes from the "Sun."  
 3.10 p.m.—News from the "Sun."  
 3.15 p.m.—Musical programme from the Studio.  
 3.30 p.m.—G.P.O. Clock and Chimes.  
 3.31 p.m.—Country Women's Session.

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Loud Speaker  
Exide Accumulator  
84 Volt B Battery  
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Large Valves (the best)  
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### "Loud Speakers"

"If you are poking mud at my Misus, I'll dot you one on the point!"

But I wasn't. It was a friendly desire to conciliate a bibulous passenger who objected to my appearance in the next seat. I merely asked him if he had a Loud Speaker at home?

As a matter of fact, we radio enthusiasts fondly imagine that there is only one kind of Loud Speaker in the universe. Whereas, there are Perry Whistles, Danian Orators, Frawn Sellers, and Newsboys.

Parramatta, whose other name is Peaceful, recently suffered from an epidemic of Loud Speakers, hung on gum trees around a riot scene from that Australian masterpiece, "For the Term of His Natural Life."

Imagine an unfortunate film producer attempting to throw his voice, unaided, into a mass of wilfully fighting convicts, wardens, and soldiers, with a delighted whooping fringe of small boys!

Yet without his instructions the historic riot scene would have been very poor stuff. And it costs too much money to stage a failure which involves 500 convicts, soldiers, prison officials, a gaol, etc.

Therefore, Mr. Norman Dawn summoned the microphone, "RCA100" Loud Speakers and Burgess Batteries to his aid. And the result was that every gum tree thundered forth instructions and the scene was a triumphant success.

Just one more well deserved triumph for the Good old Burgess, which supplied the electrical energy, and the "RCA100" Loud Speakers.

So when you see the greatest film story Australia has produced, remember that a share of the credit belongs to the black and white striped battery, which has become so familiar and so dear to wireless men the world over.

By the way, you don't need a Loud Speaker to reach any good radio dealer or the New System Telephones Pty., Ltd., at 285 Castlereagh Street, Sydney.

Call in or send a postcard—or take an hour off and try the telephone!

5.45 p.m.—Musical programme from the Studio.  
6 p.m.—G.P.O. Clock and Chimes.  
6.15 p.m.—News from the "Sun."  
6.30 p.m.—Serial Story.  
6.50 p.m.—Musical programme from the Studio.  
7.45 p.m.—Producers' Distributing Society's vegetable and fruit market report.  
7.52 p.m.—Shipping information when available.  
7.55 p.m.—Day's racing results of race days.  
8.05 p.m.—News from the "Sun."  
8.15 p.m.—Results of night's programme.  
8.30 p.m.—G.P.O. Clock and Chimes.  
Close down.

#### EARLY EVENING SESSION.

8.45 p.m.—G.P.O. Clock and Chimes.  
8.50 p.m.—Maude George and the Kiddies.  
9.10 p.m.—Musical programme from the Studio.

#### SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. Clock and Chimes.  
7.10 p.m.—Antimian Merseville, Laird and Finance Co's report.  
Weather report and forecast by courtesy of the Government Meteorologist.  
Stock Exchange reports.  
Producers' Distributing Society's vegetable and fruit market report.  
Gossip and baffle report ("Sun").  
Daily produce report ("Sun").  
7.15 p.m.—Country news from the "Sun."  
8 p.m.—G.P.O. Clock and Chimes.  
8.05 p.m.—Musical Programme.  
8.10 p.m.—The MacLellan Trio, Steel Quintet.  
8.15 p.m.—Professor Randall Woodhouse, tenor.  
8.17 p.m.—Social and Fashion News broadcast from the ballroom of the Ambassadors.  
8.20 p.m.—Miss Helen Fullerton, soprano.  
8.25 p.m.—Mr. Douglas Graham, Scottish comedian.  
8.27 p.m.—Miss Gladys Vienna, soprano.  
8.30 p.m.—Recap of following day's programme.

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

9 p.m.—G.P.O. Clock and Chimes.  
9.10 p.m.—Mr. Robert A. Morris, baritone.  
9.15 p.m.—Miss Ethel Friend, contralto.  
9.25 p.m.—Fashion and Social Notes from the ballroom of the Ambassadors.  
9.30 p.m.—Mr. Maxwell Wilson, tenor.  
9.35 p.m.—The MacLellan Trio.  
9.44 p.m.—Professor Randall Woodhouse.  
9.47 p.m.—Miss Income, "Amusement."  
9.48 p.m.—Mr. Robert A. Morris.  
9.55 p.m.—Miss Ethel Friend.  
10.02 p.m.—Mr. Douglas Graham.  
10.09 p.m.—Mr. Maxwell Wilson.  
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.  
10.25 p.m.—G.P.O. Clock and Chimes.  
10.30 p.m.—National Anthem.

### 2GB, SYDNEY

#### Thursday.

MORNING SESSION.  
6.30 a.m.—Music.  
7.00 a.m.—Psychical Class.  
7.30 a.m.—Music.  
7.45 a.m.—Biographical Talks for Schools.  
7.55 a.m.—Music.  
7.58 a.m.—Close down.

#### AFTERNOON SESSION.

2.30 p.m.—Music.  
2.45 p.m.—Rhythmic Movements in Latin.  
3.15 p.m.—Music.  
3.45 p.m.—News from everywhere for Women.  
4.20 p.m.—Music.  
4.30 p.m.—Close down.

### 3LO, MELBOURNE

#### Thursday.

##### MIDDAY SESSION.

SPLEASERS FROM OUR WAVE LENGTH.  
12 noon.—Time Signal, British official Wireless news from Rugby, Reuter's and the Australian "Press" (Speciality Cable).  
1.15 p.m.—"Herald" news broadcast.  
1.45 p.m.—Stock Exchange information.

THE STUDIO ORCHESTRA.  
SIDNEY BURCHALL, baritone.  
NOLAIRE AND TOINTON.  
DOROTHY ROXBURGH.  
Announcer . . . . . MAURIE DUDLEY  
Accompanist . . . . . AGNES FORTUNE  
1.50 p.m.—SIDNEY BURCHALL, baritone.  
"At the End of the Road."  
"In the Land where the Green Shamrock is Growing."  
2.25 p.m.—NOLAIRE AND TOINTON.  
Song, "My Hee."  
NOLAIRE and Belle, "Moon River."  
2.35 p.m.—DOROTHY ROXBURGH.  
"Cockney Comedy Favorites"  
2.45 p.m.—STUDIO ORCHESTRA.  
"La Belle Espagnole."  
"La Paganini."

2.55 p.m.—SIDNEY BURCHALL, baritone.  
"Just Around the Corner," "I've Won (Hurry)," "I Heard You La La" (Dinah Wood).  
3.0 p.m.—STUDIO ORCHESTRA.  
"Musical Sketches."  
3.15 p.m.—DOROTHY ROXBURGH reports.  
"Moment Musical" (separate).  
"Dream Song" (libretto).  
3.30 p.m.—Description of Autumn Harbours, Flemington Race, by "Muskie" of the "Sporting Globe."  
3.45 p.m.—STUDIO ORCHESTRA.  
"Belgian," "Fair Maid of Perth."  
4.05 p.m.—NOLAIRE AND TOINTON.  
Song, "Hurry."  
NOLAIRE, "Where's that Girl."  
4.15 p.m.—STUDIO ORCHESTRA.  
"Valse," "Merry Widow" (Lehar).  
2.30 p.m.—Close down.

AFTERNOON SESSION.  
RADIO RADIANCE.  
Speaker, MISS FRANCES FRASER.  
THE STUDIO ORCHESTRA.  
RUXHAM'S SERENADES.  
ADELE INMAN, soprano.  
DRESSY DORSETON.  
EVENING FROM ST. PAUL'S.  
Announcer . . . . . MAURIE DUDLEY  
Accompanist . . . . . AGNES FORTUNE  
4 p.m.—STUDIO ORCHESTRA.  
Overture, "Light Cavalry" (Sprengel).  
3.2 p.m.—Description of C. M. Lloyd Stokes Flemington Race, by "Muskie" of the "Sporting Globe."  
3.15 p.m.—MISS FRANCES FRASER.  
"Dream Days and Ways."  
3.35 p.m.—RUXHAM'S SERENADES.  
Quartet, "Gala Galah Galoo."  
NOLAIRE, MILLAR, DOLLY BURDETT, IRVING MILLAR AND H. HUXHAM.  
Touze Solo, "My Kid."  
RUXHAM.  
STUDIO ORCHESTRA.  
"The Moon and the Clock" (Whitney).  
Novelty Quartet, "Swanee River" (introduced by various ways, including an Italian Operatic Version, arr. by H. HUXHAM).  
Solo and "Mending Roadways."  
IRVING MILLAR.  
STUDIO ORCHESTRA.  
"Chinese Honeycomb."  
Operatic Quartet, "Carmen."  
SERENADE QUARTET.  
3.15 p.m.—Description of Autumn Harbours, Flemington Race, by "Muskie" of the "Sporting Globe."  
3.35 p.m.—STUDIO ORCHESTRA.  
"Four Dances" (Somerville).  
4 p.m.—ADELE INMAN, soprano.  
"You, Dear and I."  
"Dolly."  
4.7 p.m.—STUDIO ORCHESTRA.  
"L'Jaz Domino" (Caviller).

# Now—a new wonder flux has simplified Soldering!

Says Tinker Tim—  
loud-speaker for  
this little packet of  
soldering simplicity:—



"MANY are the men who have paused fiercely over a mass of valves and wire and ebonite, and, looking aerial-wards, said hard and bitter things about the process of soldering. . . . That was before Wunderflux came.

"Wunderflux quickly paves the way to quicker and better soldering. Primarily, you don't need to clean the wire—weather-blackened aerial wires can be joined as easily as if they were shining new. Just heat the connection. If you do this with a soldering iron, melt a little flux on to the point, but Wunderflux is so effective that you can often make a splendid connection heating with just a candle flame, rubbing on the flux, and melting on the strip of good solder that accompanies the flux itself!

"It is as easy to make a neat joint with Wunderflux as it is to make a "blobby" one with other fluxes!

"You know how weakened signals are often traced to corroded connections. Wunderflux is absolutely Non-Corrosive. Safer to use, too, because it is also Non-Poisonous.

"Meet your next soldering job with the little Wunderflux Outfit—any radio dealer can supply this means to quick, no-bother soldering."



1/6

Among all the improvements and advances showing at the Electrical Exhibition, Wunderflux has a place at

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Home Soldering Outfit

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Is your receiver selective?  
If it isn't, let us know. We will remodel your receiver along modern lines to produce maximum efficiency.

Local conditions play a big part in good reception.

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Rewiring faithfully carried out  
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Browning-Drakes, and Neutrodynes, are not fully efficient unless they are correctly neutralised. We have been years in the Radio line, and have had experience with these sets, and can neutralise either.

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Let us convert your present receiver. We will do it efficiently and cheaply.

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- 4.14 p.m.—**PRESSY PRESTON:**  
 "Just a Bird's Eye View of My Old  
 Kestrel's Home."  
 "Hye, Hye, Blackbird."  
 4.20 p.m.—Description of Governor's Plate,  
 Flamingo Races, by "Muskat," of the  
 "Sporting Globe."  
 4.25 p.m.—**ADELE INMAN**, soprano:  
 "Quainta."  
 "When Jack and I Were Children." Stock  
 Exchange information.  
 4.45 p.m.—**EVENSONG**, from ST. PAUL'S  
 CATHEDRAL.  
 5.30 p.m.—Close down.

**EVENING SESSION,**

- 5.40 p.m.—**CHILDREN'S HOUR:**  
 Answers to letters and Birthday greetings.  
 5.55 p.m.—**MARY GUMLEAF**, Poems:  
 "The Natchy Chicken."  
 "Daisy's Lesson."  
 Story for the littlest ones:  
 "What happened to stray ears."  
 6.5 p.m.—**HUXHAM'S SERENADERS**,  
 Quartet, "Keep on hurrying on."  
**EDITH HUXHAM, DOLLY TURDETT,**  
**KENN MILLAR AND H. HUXHAM.**  
 Song "Folly's Knot on Walking."  
**HUGH HUXHAM.**  
**NGAIRE AND TOINTON:**  
 "Xylophone, "Ulelele Lady."  
 "I Want to be Happy."  
**HUXHAM'S SERENADERS:**  
 Imitation by THE SERENADE.  
**QUARTET.**

- 6.25 — **MARY GUMLEAF**, Story for  
 Boys and Girls:  
 "Story of Romeo and Juliet."  
 6.25 p.m.—"Argus" and "Herald" news ser-  
 vices. Weather synopsis. Shipping move-  
 ments.  
 6.41 p.m.—Stock Exchange information.  
 6.55 p.m.—Fish Market reports by J. R. Bar-  
 rett, Ltd.  
 6.55 p.m.—Rivier reports.  
 6.58 p.m.—Market reports by the Victorian  
 Central Circus Association Pty., Ltd., of  
 Oranges and Lemons. Market reports by  
 the Victorian Producers' Co-operative Com-  
 Ltd. Haymarket Sheep sales. Poultry,  
 Grain, Straw, Hay, Jute, Dairy Produce,  
 Potatoes and Onions. Fruit Market reports by  
 the Victoria Wholesale Fruiters' Assoca-  
 tion, compiled by the "Fruit World,"  
 exclusive to BLO.

**NIGHT SESSION.**

**DANCE AND BE MERRY.**

Speakers:

- MR. C. R. LONG, MISS M. HEAGNEY,  
 MR. A. W. JACKSON, MR. RODY LEHMAN,  
 JOE ARONSON AND HIS SYNCOPATING  
 SYMPHONISTS.  
**OSBORNE AND FERRYER.**  
**SIDNEY BURCHALL.**  
**BETTY DEVAN** soprano:  
**NGAIRE AND TOINTON.**  
 Accompanist ..... **ALFRED ANDREW**  
 Accompanist ..... **AGNES FORTUNE**  
 7.15 p.m.—**MR. C. R. LONG:**  
 "With McMillan, the Discoverer of Gips-  
 had in 1825."  
 7.20 p.m.—Under the auspices of the Institute  
 of Pacific Relations, MISS M. HEAGNEY:  
 "Women's Problems in Pacific Countries."  
 7.45 p.m.—**MR. A. W. JACKSON:**  
 "Golf."  
 8 p.m.—**JOE ARONSON AND HIS SYNCO-**  
**PATING SYMPHONISTS:**  
 "Dream of Love and You" (Taylor).  
 "Say Your Sorrow" (Lu Sylvia).  
 "Say It Again" (Richman).  
 8.10 p.m.—**OSBORNE AND FERRYER:**  
 "In Dingles of a Domestic Drudge."  
 8.15 p.m.—**JOE ARONSON AND HIS SYNCO-**  
**PATING SYMPHONISTS:**  
 "Paradise Alley" (Ascher).  
 "While the Years go Drifting By" (Kahn).  
 "Rose Colored Glasses" (Steinzer).  
 8.25 p.m.—**SIDNEY BURCHALL**, baritone:  
 "Star and the Flower" (D'Harlekin).  
 8.29 p.m.—**JOE ARONSON AND HIS SYNCO-**  
**PATING SYMPHONISTS:**  
 "Am I Wasting My Time" (Bibo).  
 "It's a Wonderful World after all" (Davis).  
 "Red, Red Robin" (Woods).

New Price - - 45/- Each



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**The Table-Talker**

**makes a friend of the electrical impulse**

Acoustics is the science of sound. Radio acoustics is the science of transforming the electrical impulse into a audible sound. The electrical impulse is a jolly little fellow who needs to be consulted if you are to get the best out of him. We've been making friends with him for seventeen years and the *Table-Talker* is but one result of our efforts. The goose-neck horn means clearer and more rounded tones, and the patent material of which it is constructed eliminates any suggestion of harshness or metallic resonance. Fitted with an adjustable diaphragm, it is finished in a pleasant shade of neutral brown. Height 18", bell 10".

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C.Z.2 . . . . .	40 amp. Hours intermittent . . . . .	£ s. d. 1 1 0
C.Z.3 . . . . .	60 amp. Hours intermittent . . . . .	1 6 0
C.Z.4 . . . . .	80 amp. Hours intermittent . . . . .	1 9 0
C.Z.5 . . . . .	100 amp. Hours intermittent . . . . .	1 14 0
C.Z.6 . . . . .	120 amp. Hours intermittent . . . . .	1 19 0

### Exide "A" BATTERIES IN 2 VOLT UNITS.

Suitable for Dull Emitter Valves.

Type.	Capacity.	Price each Cell fully charged.
D.T.G. . . . .	20 amp. Hours intermittent . . . . .	£ s. d. 0 8 0
D.F.G. . . . .	45 amp. Hours intermittent . . . . .	0 16 0

### Exide "B" BATTERIES.

Type.	Capacity.	Price for bat. fully charged.
W.J. . . . .	20 volts, 2,500 milliamp. Hours . . . . .	£ s. d. 1 10 0
W.H. . . . .	24 volts, 5,000 milliamp. Hours . . . . .	2 15 0

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proficient.

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## Marconi School of Wireless

99 Clarence Street  
SYDNEY

- 8.39 p.m.—BETTY BEVAN, soprano:  
"The Ed Man."
- 8.43 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"How Could You Kidding Hood" (Randolph).  
"My Pal Jerry" (Hoag).  
"My Outing's due at Two to Two, Today"  
(Robin).
- 8.55 p.m.—MISS NGAIRE will give some child  
improvements.
- 9.29 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"Just a Cottage Small" (Hanley).  
"In a Little Spanish Town" (Young).  
"I Love My Halo" (Warren).
- 9.40 p.m.—ORSONO AND FERRYER will  
radiate humor on the Radio.
- 9.43 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"Picador" (Nichols).  
"Alabama Stamp" (Crosner).  
"Somebody's Lendin'" (Davis).
- 9.53 p.m.—SIDNEY BURCHALL, baritone:  
"Star of the East" (Loh).
- 9.57 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"Fare of Mahalia" (Nichols).  
"The Animal Fair" (Lia Forrest).  
"While We Dance Till Dawn" (Lewis).
- 9.57 p.m.—BETTY BEVAN, soprano:  
"The Lilac Tree" (Gartlan).
- 9.41 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"Adequate" (Yard).  
"Just a Bird's Eye View" (Kahn).  
"Give Me Today" (Titsworth).
- 9.51 p.m.—NGAIRE AND POINTON:  
"Savoy American Melody."
- 9.56 p.m.—BODY LEIHMAN, World's Motoc  
Cycle Champion. The world's speed fiend  
will speak on his experiences on various  
tracks throughout foreign countries.
- 10.5 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"Ed Climb the Highest Mountain" (Brown).  
"She's Everybody's Sweetheart" (Ree).  
"Say that you love Me" (Nichols).
- 10.16 p.m.—SYDNEY BURCHALL, Baritone:  
"Corleone" (Sanderson).
- 10.25 p.m.—"Argus" news service, British  
official wireless news, meteorological in-  
formation. Sporting notes by "Olympus"
- 10.35 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"I've got the Girl" (Donaldson).  
"Blue Bonnet" (Bryan).  
"No Foolin'" (Dach).
- 10.45 p.m.—BETTY BEVAN, Soprano:  
"I Passed by Your Window."
- 10.50 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"Whisper—Sh—" (Bryan).  
"After I Say I'm Sorry" (Donaldson).  
"There I Love You" (Goodman).
- 11 p.m.—OUR GREAT LIGHT:  
"Every man who strikes blows for justice,  
for influence, for institutions, for the right  
must be just as good an axed as he is  
a harnam." J. G. Holland.
- 11.1 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"Lonesome and Sorry" (Davis).  
"Tonight's My Night With Halo" (Meyer).  
"Honey Bunch" (Friend).
- 11.10 p.m.—SIDNEY BURCHALL, baritone:  
"Walkin' Round in Circles."
- 11.5. YU. RIMAN, 1st MARCH, 1927.
- 11.14 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"Back Where the Daffodils Grow" (Donald-  
son).  
"Dreamy Hawaii" (Conley).  
"Where Did You Get Those Eyes" (Donald-  
son).
- 11.24 p.m.—BETTY BEVAN, Soprano:  
"Fanning By" (Dach).
- 11.28 p.m.—JOE ARONSON AND HIS SYM-  
PHONISTS:  
"Bundaberg" (Walker).  
"Gambus Forest" (Garrick).  
"Blackbird" (Dixon).  
"Laughing at the Tories" (Wendahl).  
"We Don't Want to Get Married" (Stent).  
"Perfume of the Fair" (Marston).
- 11.40 p.m.—GOD SAVE THE KING.

# Essential Battery Points

First, the battery should be fresh. Ever-Ready Radio Batteries are made in Australia, and are always fresh.

Secondly, the battery should give good service until it runs right down. Ever-Ready Batteries are famed both for their long life and reliability.

Thirdly, the correct battery should be chosen. Ask your radio-dealer. He has an Ever-Ready for every requirement.

## EVER-READY RADIO BATTERIES

SAFETY FIRST—UTILITY ALWAYS



THE "STANDARD" DRY CELL RADIO BATTERY.

Price ..... 3/-  
The Ever-Ready Radio "Standard" Dry Cell, as illustrated, is fitted with two screw terminals, and since its introduction has met with great success, users recognizing its immense superiority over any imported cell. Size, 2 1/2 x 5 1/2. Weight, 2 lbs. Also for bells, telephones, signaling and electro-medical apparatus, &c.



"WANDA" PLUG RADIO BATTERY. This illustrates the new Radio High-tension "B" Battery which can be obtained 3 1/2, 4, 4 1/2 or 5 1/2 volts—fitted with a "Wanda" Plug, and 2 screw terminals.

PRICE:

Small size, type W.P. 3 1/2 volt .....	9/4
Small size, type W.P. 4 volt .....	11/4
Small size, type W.P. 4 1/2 volt .....	14/-
Large size, type X.P. 5 1/2 volt .....	16/-
Large size, type X.P. 4 1/2 volt .....	21/-
Extra large size, type Super Service, 4 1/2 volt .....	25/6



NEW EVER-READY No. 126, OR "A," "B," OR "C" BATTERY

Price ..... 2/9

One of a group of radio batteries useful in wireless, hearing and amplification. Size, 4 1/2 x 4 1/2. Most useful for bells, telephones, burglar alarms, medical cells, etc. With three brass terminals. Voltages, 1.5, 2 or 4.5 volts. Useful for all wireless purposes as well as general utility.



"STANDARD" "A" BATTERY.

Price ..... 5/-  
The Ever-Ready "Standard" "A" Battery (2 cells), 4.5 volt, specially designed for economical operation of 1, 2 or 3 volts, saving 66 amperes at 3 volt. For sets with four or more valves, the most economical service is obtained by using two "Standard" "A" batteries connected in parallel.

If unobtainable locally write for address of nearest source of supply to  
**The Ever-Ready Co. (Gt. Britain) Ltd.**  
163 Pitt Street SYDNEY

At last new shipments have arrived.

## The Balkite Trickle Charger

A LONG FELT WANT NOW FILLED

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

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

economical installation for sets now using dry cells.

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

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

The Balkite Trickle Charger is 5½ inches long, 2½ inches wide, 5 inches high. It may be put in the usual dry cell compartment. Charging rate, 3 to 5 amperes. Current consumption, 1/10c per hour. Operates from 220-240 AC 50 cycle current.

Only £4 - 7 - 6

## The Balkite Trickle Charger



**Provides "A" current from the light socket**

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and FOR YEARS TO  
COME.

There are several models,  
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20 to the Eight Valve Super  
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30, operating entirely from  
the Electric Light Service.



Model 26—Portable Six  
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REAL RADIO IS AWAITS  
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or write for particulars.

## SWAIN'S

119-123 PITT STREET

Pioneer Dealers in Radio

**4QG, BRISBANE**

Thursday.

**MIDDAY SESSION.**

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

**AFTERNOON SESSION.**

- 3.55 p.m.—A programme of music from the Studio: Duo Art selection, "Spring" (Moskowski); Aeolian Vocalion selections—(a) quartet, "Ching-a-lings Bazaar" (Badger), Shannon Four, (b) contralto solo, "The Rosary" (Neville), Miss Elsie Fisher; Duo Art selection, "Drops of Water" (Ascher); Aeolian Vocalion selections—(a) fox-trot, "Scatter Your Smiles" (Kortlander), Mayer's Orchestra, (b) lullaby solo, "Out on the Deep" (Lohr), Mr. Malcolm McEACHERN; Duo Art selection, "Moon Melts" (Kumner); Aeolian Vocalion selections—(a) xylophone solo, "Fand Fantasia" (Gordon), Mr. M. E. Flynn, (b) selection "Wildflower" (Youmans), Hercules Orchestra; Duo Art selection, "Berceuse" (Chaminade); Aeolian Vocalion selections—(a) tenor solo, "That's Why I Love You" (Donaldson), Don Parker and his Band, (b) tenor solo, "I'll Sing These Songs of Araby" (Clay), Mr. Frank Fitzsimon; Duo Art selection, "Chiffonette" (Allerton).

- 4.25 p.m.—"The Telegraph" news service.
- 4.30 p.m.—Close down.

**EARLY EVENING SESSION.**

- 6 p.m.—"Daily Standard" news, announcements.
- 6.30 p.m.—The Children's Session—Starting by "The Sandman".
- 7 p.m.—Market reports, Lectures—"A Talk on Sheep Raising," by Mr. W. G. Brown (Instructor in Sheep and Wool).
- 7.40 p.m.—Stock reports; weather news, announcements.
- 7.45 p.m.—Standard time signal.

**NIGHT SESSION.**

- 7.45 p.m.—Lecture Session—"A Talk on Books," by Mr. W. A. Brian (McLennan Bookstore).

**RADIO NOVELTY.**

**A VISIT TO THE FORD MOTOR FACTORY.**  
The first portion of to-night's programme will comprise a visit to the factory of the Ford Motor Company at Eagle Farm. Microphones will be installed at various points in the factory, and a representative of 4QG will pay a visit to the plant. Special arrangements have been made to have the factory operating at night time, and the whole of the operations in connection with the construction of cars will be described. Commencing from one end of the factory, the representative of 4QG will be escorted through the works, and as each individual operation in connection with the construction of a car is performed, a description of it will be broadcast.

**PROGRAMME.**

- 8 p.m.—A Visit to the Ford Factory.
- 8.50 p.m.—From the Studio, Metropolitan weather forecast.
- 9.55 p.m.—From the Centennial Hall, Dance music.
- 10 p.m.—From the Studio, the "Daily Mail" news; weather news. Close down.

**Friday, March 4  
2FC, SYDNEY**

**EARLY MORNING SESSION.**

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



**The Conservation  
of Energy**

**RADION** Panels far excel any other insulating material in the conservation of both physical and electrical energy.

characteristics required, namely:

- 1—Low angle phase difference
- 2—Low dielectric constant
- 3—High resistivity
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Radion can be easily sawed, drilled, machined and otherwise worked with minimum effort and without the slightest danger of chipping, cracking or breaking.

Do not jeopardize the value of your receiving set by using inferior materials. Save time and energy in the making and loss of power in the operation of your set by always insisting upon genuine Radion Panels and parts. Look for the name stamped on every piece.

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**The Supreme Insulation**

**RADION**  
PANELS—DIALS—SOCKETS—KNOBS

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.—Popular records.  
 10 a.m.—"Big Ben" and announcements.  
 10.5 a.m.—Late "Society Mopping Head" news service.  
 10.15 a.m.—Studio music.  
 10.45 a.m.—A serial story.  
 11 a.m.—"Big Ben." Australian Trees Association and Butler's Cable Services.  
 11.16 a.m.—Studio music.  
 11.15 a.m.—A talk on home cooking and recipes by Miss Ruth Pater.  
 11.30 a.m.—Marching music for school children.  
 11.35 a.m.—Close down.

**MIDDAY SESSION.**  
 12 noon—"Big Ben" and announcements.  
 12.5 p.m.—Stock Exchange, first call.  
 12.9 p.m.—Studio music.  
 12.50 p.m.—Dancey wireless news.  
 12.55 p.m.—Miss Florence Grant, Soprano.  
 1 p.m.—"Big Ben." Weather intelligence.  
 1.3 p.m.—"Evening News" midday news service. Producers' Distributing Society's Report.  
 1.30 p.m.—Studio music.  
 1.24 p.m.—Miss Florence Grant, Soprano.  
 1.26 p.m.—Stock Exchange, second call.  
 1.30 p.m.—Marching music for school children.  
 1.40 p.m.—Studio music.  
 2 p.m.—"Big Ben." Close down.

**AFTERNOON SESSION.**  
 2.30 p.m.—Programme announcements.  
 2.35 p.m.—Musical items from the Studio.  
 2.55 a.m.—Miss A. Jennings, Mezzo Contralto: "Yonder" (Ovation).  
 3 p.m.—"Big Ben." A reading.  
 3.30 p.m.—Popular records.  
 3.40 p.m.—Marching music for school children.  
 3.45 p.m.—FROM FARMER'S TEA ROOMS: Miss Sybil Athelwood, Mezzo: "The Moon upon the Chimney" (Roche).  
 3.55 p.m.—Studio music.  
 4 p.m.—FROM FARMER'S TEA ROOMS: Miss Alice Kent, Mezzo: "Do you know My Garden" (Wood).  
 4.5 p.m.—Mr. Ewart Chappell: A music talk.

4.55 p.m.—FROM FARMER'S TEA ROOMS: Miss Sybil Athelwood, Mezzo: "My Heart is Sad for Somebody" (Gardlay).  
 4.55 p.m.—Some popular records from the Studio.  
 4.50 p.m.—Miss A. Jennings, Mezzo Contralto: "A Henchman" (Fisher).  
 4.55 p.m.—Pantomime solo.  
 4.46 p.m.—FROM FARMER'S TEA ROOMS: Miss Alice Kent, Mezzo: "With Courty Grace" (Phillips).  
 4.45 p.m.—Stock Exchange, third call.  
 4.48 p.m.—Close down.  
**EARLY EVENING SESSION.**  
 5.45 p.m.—The Chimes of 2 P.M.  
 5.49 p.m.—The "Hello Max" talks to the children.

6.00 p.m.—A story for the older ones.  
 6.40 p.m.—Dinner music from Farmer's Oak Dining Hall. Instrumental and vocal items.  
 7 P.M.—"Big Ben." Late sporting news. A talk on to-morrow's prospects by the IFC Racing Commentator.  
 7.10 p.m.—Dalgety's Market reports: wool, wheat and stock.  
 7.14 p.m.—Fruit and vegetable markets.  
 7.20 p.m.—Weather and shipping intelligence.  
 Stock Exchange.  
 7.30 p.m.—Late "Evening News" news service.

**NIGHT SESSION.**  
 7.40 p.m.—Programme announcements.  
 7.45 p.m.—Miss Gladys Brown interviews Mr. John Dalton of the Gilbert & Sullivan Company.  
 8 p.m.—"Big Ben." FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY: Items by the Orchestra, conducted by Mr. Harry Stone.  
 8.15 p.m.—FROM THE STUDIO: Mr. Victor Evans, Baritone: "My Heart" (Lohr).  
 8.19 p.m.—The final of a series of Natural History talks by the Hon. E. H. Roward: "Goldfish."  
 8.32 p.m.—Miss Letya Lescaut, Soprano, "Pietro and Yvonne" (Barnes).  
 8.36 p.m.—Mr. W. G. McGrath, Baritone soloist: (a) "The Home Town Band" (Wald).  
 (b) "The Bye, Blackbird" (Henderson).  
 (c) "No Pal Jetty" (Wood).  
 8.40 p.m.—Miss Margaret Garnshaw, in popular numbers.  
 8.44 p.m.—A few merry moments with Herbert Walton, the permission of J. C. Williamson, Ltd.  
 8.5 p.m.—FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY: The Crystal Palace Orchestra in the Program: (a) "The Home Town" with vocal numbers by "The Six Four".  
 8.50 p.m.—FROM THE STUDIO: Miss Vera Spaul, with her Ukelele, in popular numbers.  
 8.57 p.m.—Mr. Victor Evans, Baritone.  
 8.51 p.m.—Mr. Fred Heath, Pheolo soloist: (a) Sonora "Sobor" (Thiele).  
 (b) "Dance De Katira" (Thiele).  
 9.40 p.m.—Miss Letya Lescaut, Soprano, and Mr. Victor Evans, Baritone: Duet, "Auld Mary" (Hutton).  
 9.48 p.m.—A few merry moments with Mr. Herbert Walton.  
 9.50 p.m.—Miss Vera Spaul in popular numbers.  
 9.55 p.m.—FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY: Orchestral items.  
 10.10 p.m.—FROM THE STUDIO: Mr. Fred Heath, Flute solo: "Minuet de L'Archange" (Bipet).  
 10.16 p.m.—Miss Letya Lescaut, Soprano, and Mr. Victor Evans, Baritone: Duet, "Rose of My Heart" (Lohr).  
 10.33 p.m.—FROM THE WESTWORTH CAFE, SYDNEY: The New Westworth Symphonic Dance Orchestra, conducted by Mr. Sydney Simpson.  
 10.40 p.m.—FROM THE STUDIO: Miss Letya Lescaut, Soprano, "Trees" (Rohack).  
 10.44 p.m.—Late news and announcements.  
 10.47 p.m.—Celebrity records.  
 11 p.m.—"Big Ben." The New Westworth Symphonic Dance Orchestra, conducted by Mr. Sydney Simpson, in popular numbers until midnight.  
 11.50 a.m.—"Big Ben." National Anthem (Close down).



## Four Additions to the Ediswan Family

THE NEW 1-WATT VALVES.  
 Ediswan 2-Volt Range.

H.F.	Detector.	1st L.F.	2nd L.F.
G.P.2	D.R.2	G.P.2	P.V.2
	G.P.2	P.V.2	P.V.6 (1-Watt)
Resistance Coupling			
R.C.2. P.V.6 (1-Watt)			

\*The anode resistance used should not be less than 1.5 megohms.

**PRICES:**

G.P.2	10/6
D.R.2	12/6
R.C.2	18/6
P.V.2	18/6

**NEW!** Ediswan 1 Watt valves, the latest productions of the Ediswan Laboratories have arrived in Australia. Worthy upholding the name made famous by Ediswan Valves since the commencement of Wireless broadcasting. These valves operate at a remarkably low temperature with considerable saving in current consumption.

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# EDISWAN VALVES

AND NURSE YOUR SET

THE EDISON SWAN ELECTRIC CO., LTD.  
 302 Little Collins Street, Melbourne.  
 And at Sydney, Adelaide and Brisbane.



## Saturday, March 5 2FC, SYDNEY

### EARLY-MORNING SESSION

- 7 a.m.—"Big Ben" and announcements.  
7.5 a.m.—Studio music.  
7.10 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.  
7.25 a.m.—Investment post, mining share market, metal quotations.  
7.35 a.m.—Wool sales, commodity 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.—Music from the Studio.  
9.45 a.m.—Last minute sporting information by the 2FC Racing Commissioner.  
10 a.m.—"Big Ben" and announcements.  
10.5 a.m.—Late "Sydney Morning Herald" news service.  
10.15 a.m.—Studio music.  
10.20 a.m.—A serial story.  
10.25 a.m.—Studio music.  
10.45 a.m.—A talk on Gardening by Mr. G. J. Luckley ("Redfern").  
11 a.m.—"Big Ben" Australian Press Association and Reuters' Cable Services.  
11.5 a.m.—FROM FARMER'S EXHIBITION HALL: An address to the members of the Children's Radio Hobbies Club by Mr. F. Van de Velde, talking on his subject, "Zoo's of the World," with cinema and lantern illustrations.  
11.55 a.m.—Close down.

### MIDDAY AND AFTERNOON SESSION.

- 12.05 p.m.—Programme announcements.  
1 p.m.—"Big Ben" Weather Intelligence.  
1.25 p.m.—"Evening News" midday news service, Stock Exchange.  
NOTE:—During the afternoon a full description of races in the running will be given direct from Canterbury Park Race Course.

During the intervals between racing and other sporting events there will be given by the New Westwagh Symphonic Dance Orchestra, conducted by Mr. Sydney Simpson.

- 4.30 p.m.—A complete resume of the afternoon's events.  
4.35 p.m.—"Big Ben" Close down.

### EARLY EVENING SESSION.

- 6.40 p.m.—The Chimes of 1847.  
6.55 p.m.—The "Hello Man" talks to the children.  
8.30 p.m.—A serial story for the older ones.  
8.40 p.m.—Dinner music.  
7 p.m.—Late sporting news. Complete resume of the day's events.  
7.15 p.m.—Late "Evening News" news service. Weather Intelligence.  
NIGHT SESSION.

- 7.40 p.m.—Programme announcements.  
7.45 p.m.—"The Royal Tour of the forthcoming Royal Tour to Sydney.

NOTE:—During the evening, results will be transmitted direct from the Speedway Royal.  
8 p.m.—"Big Ben" FROM THE DECK OF THE CUNARD LINER, s.s. "FRANCONTA" now on her world tour and at present berthed at Woolloomooloo Wharf. Items from the Ship's Orchestra of 30 players, interspersed with vocal numbers from 2FC artists.

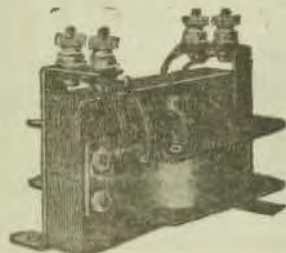
- A few words from the Director of the Tour.  
8.5 p.m.—The s.s. "Franconia" Orchestra.  
8.15 p.m.—Mr. Alfred Cunningham, Bassoon.  
(a) "The Desert Love" (White).  
(b) "Dance Macabre" (Oliver).  
8.25 p.m.—The Ship's Orchestra.  
8.35 p.m.—Miss Leslie Elliott, Entertainer.  
(a) "More like Babies Every Day" (Barrow-Gale).  
(b) "I Might Learn to Love Him" (Woolton-Lee).

- 8.45 p.m.—The s.s. "Franconia" Orchestra.  
8.50 p.m.—Madame Emily Marks, Soprano.  
(a) "Dainty" (Clarke).  
(b) "The Morning Chilling" (Ferry).

- 8.58 p.m.—Mr. Van der Klok, Cello solo.  
(a) "Gavotte" (Pavilli).  
(b) "Gavotte" (Poppo).  
8.8 a.m.—Mr. Jack Linschinger, Songs of the Ranch.  
(a) "Baby Face" (Davel).  
(b) Piano Novette (Linschinger).  
9.10 p.m.—Mr. Alfred Cunningham, Bassoon.  
(a) "Robber, Knight" (Cottet).  
(b) "Circles and Squares" (Old Irish).  
9.24 p.m.—The s.s. "Franconia" Orchestra.  
9.30 p.m.—Miss Leslie Elliott, Entertainer.  
(a) "In the Cool of the Evening" (Elliott).  
(b) "Oh, Well, I shall have to Call the General" (Holt).  
9.48 p.m.—The s.s. "Franconia" Orchestra.  
9.44 p.m.—Madame Emily Marks, Soprano.  
(a) "When Eyes are Blue" (L. Robinson).  
(b) "The Singer" (Maxwell).  
9.50 p.m.—Mr. Van der Klok, Cello solo.  
"Variations Symphoniques" (Monteverdi).  
10 p.m.—Mr. Jack Linschinger, Entertainer.

- (a) "Dinky" (Albat).  
(b) "Say it Again" (Silver).  
10.1 p.m.—The s.s. "Franconia" Orchestra.  
10.18 p.m.—FROM THE STUDIO.  
Miss Marjorie Cole, Soprano.  
(a) "The Crook" (Lehmann).  
(b) "A Song of Sings" (Somerset).  
10.26 p.m.—Results from the Speedway Royal.  
10.30 p.m.—Mr. Harry Handie, Trombone solo.  
10.35 p.m.—The 2FC Studio Dance Band, conducted by Mr. Eric Pearce, with the popular ballads, Mr. Len Maurice.  
10.45 p.m.—Miss Marjorie Cole, Soprano.  
10.49 p.m.—Mr. Harry Handie, Trombone solo.  
10.47 p.m.—Announcements.  
11 p.m.—"Big Ben" Late sporting results.  
11.15 p.m.—The 2FC Studio Dance Band will play until midnight. Popular choruses to Mr. Len Maurice, with band accompaniment.  
12 midnight—"Big Ben" National Anthem.  
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