

# WIRELESS WEEKLY

Broadcast Programmes a Week in advance

VOLUME 9

Registered at the G.P.O., Special, for  
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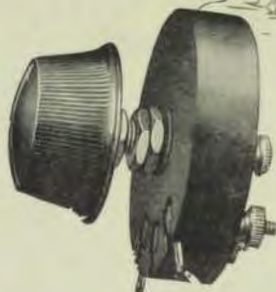
NUMBER 19



Friday, March 4, 1927.

Price Threepence

# Perfect Control



2FC

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2GB

2KY

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**Hurry! Hurry!**

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Visit the show and be sure  
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Stand 15. Harringtons  
Radio means complete  
and permanent satisfaction.

**STAND  
15**

# WIRELESS WEEKLY

VOL. 9, No. 19.

FRIDAY, MARCH 4, 1927.

## The Lowbrow Wins

**S**OMETHING snappy, Jack." With a deft flick of the wrist the operator of the set deliberately tuned out a trilling soprano at her topmost note and entered the region of crashes, crackles, and whistles.

"Can't listen to that classical stuff. Let us have some dance music, or better still, pick up the Tivoli transmission."

A distinctly lowbrow conversation, but one which the broadcasting managers would have us believe is typical of every second radio enthusiast. And we have no other choice but to believe them, for, having studied the demands of the radio public for more than two years, they must be given the credit of knowing their audience by this time. More than that, they are no longer giving listeners the opportunity of tuning out classical items, for they themselves are censoring this class of music.

2FC, which has enjoyed a reputation for high-class programmes, conducted a little test the other day, to find out how many listeners-in really wanted to listen to high-class music. A plebiscite is not enough, they realised, for a listener-in, who will reply, "Oh, yes, I like classical music," to an abstract question has a very different opinion when faced with a concrete instance of that type of music.

Acting on this hypothesis 2FC

selected Beethoven as the most classic of all the classical masters, and broadcast a series of his sonatas. At the end of each recital, Madame Evelyn Greig, the artist, made an appeal to music lovers to write to the station stating whether they wished for more of Beethoven. About one hundred letters were received.

Further evidence that high-class music is appreciated by only a very small number of listeners-in was not considered necessary, following this poor response from N.S.W.'s 50,000 licensed listeners. It was this which probably led to the formation of the 2FC popular musical trio to take the place of the classical trio which was disbanded following the appointment of the leader, Mr. Lindley Evans, as accompanist to Melba.

Who can blame 2FC? Unlike those of the British Broadcasting Corporation, our broadcasting stations are competing for popularity and obviously the most popular station will be that which broadcasts the most popular music. To encourage an appreciation of better class music is to become unpopular with the majority of listeners.

The 2FC test is probably the last of a number conducted over the last two years, for at last broadcasting has come in line with the cinema and the theatre. It is essentially an entertainment, containing much that is high-class, but having for its main object the fulfilment of the public demand for music of a lighter nature.



## Between You And Me And The Microphone

Conducted by Jack Plugge



**THE FUND**, initiated by the London Daily News, for equipping British lightships with broadcast receivers, has been completed by a gift of £1,200 from Lord Inchcape, chairman of the P. and O. Line.

AS A CONSEQUENCE of the visit of the Duke and Duchess of York to Australia, it appears likely that there will be a mild boom in the radio industry. The ceremonies at the Federal Capital and the official functions, which will be attended by the Duke and Duchess, will be broadcast, and it may be taken for granted that every owner of a radio receiving set will tune in to listen.

**ARCHBISHOP KELLY** in a letter to the Committee of the Radio and Electrical Exhibition, congratulates the radio interests "on the advantages which have come through the radio, to the people in the cities, but especially to those in the remote districts." Archbishop Kelly was invited to the official opening of the exhibition but his appointments would not allow him to be present. This was unfortunate, for his voice is particularly suitable for broadcasting. When speaking from Canberra recently, on the occasion of the National Catholic Pilgrimage, Archbishop Kelly's voice was perhaps the clearest of all the speakers who were broadcast.

"A FULLY EQUIPPED" broadcasting station carries a far reaching privilege, and yields a great power for good or ill," says announcer J. K. Powell of 2GB. "Much has been said about the novelty of broadcasting, and many wisacres have prophesied that listeners in would quickly tire and become apathetic. To some extent this prophecy has proved correct, but when stations more and more specialise; when clear methods are adopted to definitely render a needed service; when education becomes closely coupled with entertainments, and when stations realise they are reaching right into the hearts of homes, then and not before will broadcasting be placed under a solid foundation."

LISTENERS without licenses never hear any good of themselves.

AN EXPERT has complained that the American announcers spoil their elocutionary effect by snatching their breath too quickly. Well, short pants always were the fashion over there.

A MESSAGE from Stockholm states that an invention to prevent interference between broadcasting stations working on the same wavelength has been produced by the broadcasting expert of the Swedish Telegraph Office. No details are at present available.

ABOUT 4,000 PERSONS are reported to have taken out wireless receiving licenses in the Irish Free State, while, according to the "Irish Independent," there are approximately 40,000 users of wireless sets. The Wireless Bill passed by the Free State Parliament, during December, provides for fines up to £10 for the illicit use of wireless apparatus.

DURING THE SECOND WEEK in February the children's favorite, "Billy Bunny," completed his second year of uninterrupted tenure of his cherished position as 3LO's only wireless uncle. He is naturally very proud of this, and it is a little wonder that a Melbourne daily paper misprinted his name slightly as Mr. "Brook," as evidently he is destined, at least in the joys and memories of childhood, to "go on forever." In his more correct title of Mr. Book, however, he is as evidently due to run into many editions and at the end of each year "to be continued in our next," or at least so far as his happy children can have it so.

### A RADIO FIEND.

*It came in strong and clear,  
pure as a bell.*

*Without a trace of static—an  
allegro*

*From Haydn that lifted the corners  
of the mouth.*

*Brightened the eye and set the  
heart to dancing.*

*You shut your eyes and almost  
saw the bows*

*Darting athwart the russet  
violins.*

*And the leader weaving his will  
on the orchestra.*

*As if he swayed one splendid  
instrument.*

*He listened a moment with  
bright, approving face.*

*"Fine, Fine!" said he, then turning  
to his dials.*

*"And now let's see if we can get  
Brisbane!"*

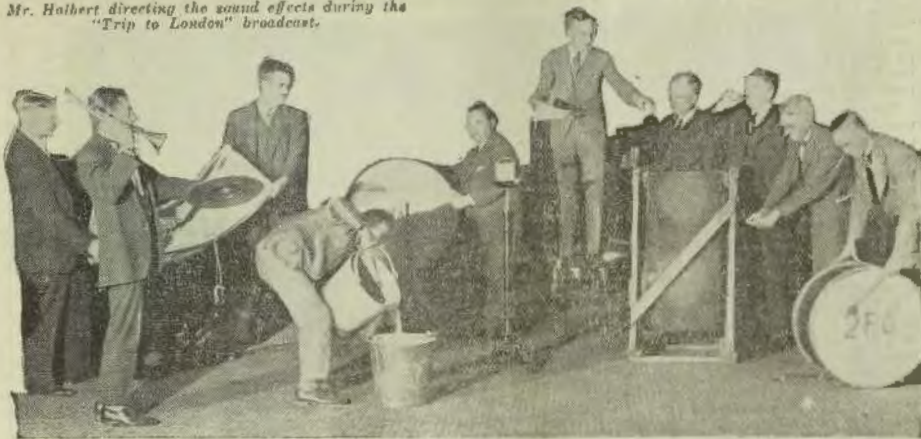
AS A LAST REQUEST, a negro convicted of murder at Sing Sing was allowed to listen to an entire radio programme broadcast from New York. After that the unfortunate fellow was probably very glad to die.

THE 4QG LECTURE on "Historical Scottish Phrases" was very interesting, but why were we not told the derivation of that essentially Scottish exclamation—"This is my turn, gentlemen!"

A LECTURE on special forms of insanity was given recently from one of the American stations. As the Charleston and Black Bottom were not mentioned, these are evidently regarded as ordinary forms.

ONE OF THE ADVANTAGES of the new 3LO Studios will be that the tumult of building operations and busy streets will be blotted out of the day's programme. For some time now, 3LO's patrons have been reminded during the working hours of the day, that Melbourne is a progressive city in the hands of the Builders. Across the road the new Town Hall is arising and one hears occasionally from the loud speaker the whistle of the man suspended in mid-air on some girder being placed in position. The clang of a tram bell, the shouts of newsboys, the bang of the riveting machine on the girders further up the street near the Auditorium, may often be distinguished, not only in the intervals between items, but even in the middle of them.

Mr. Halbert directing the sound effects during the "Trip to London" broadcast.



## Microphone Sense and Radio Effects

An announcer's observations of the way artists act when before the microphone and his experiments with artificial sound.

By LAURENCE HALBERT

**T**HAT rather terrifying little piece of marble or the circular disc of metal with the gauze over it, how many artists can honestly say that they have never quailed before it?

The microphone possesses a greater power, or, shall we say, "inner self," than most people, including studio artists of experience, realise. Making a comparison, who can say that a camera when recording an exposure on a prepared plate does not absorb part of the "ego" as well as defining the shape of your nose and out of your suit? Still wandering away from the microphone, an actor after years of experience on the stage can feel his audience; in plain language, he knows if it likes him or dislikes him, even before it has signified its appreciation or otherwise.

The actor has, to a very large extent, the power of influencing his audiences one way or the other. He looks at them kindly, he thinks of them kindly. Surely with these kindly thoughts floating across the footlights, the audience will not be slow to respond. To come back to the microphone. If you are an artist, start by liking it, don't just dismiss it as a dumb, rather absurdly simple

looking piece of mechanism, but rather approach it in the light of a pulsating living thing, waiting to absorb your song, quick to respond to your varying thoughts and moods. Don't stand there and just think about your music and the words of your song, make the microphone your audience, think kindly towards it, appeal to it, imagine it as something personal, go up to it—embrace it if you will—whisper to it, and it will not fail to respond, and you will not be disappointed at the result. Remember the microphone is symbolic of an audience embracing the whole world, truly a staggering thought. It doesn't bear too much thinking about, so don't; just woo your little friend with the gauze face.

The reason why an audience in the studio has never attained any great success is because the artist is trying to do two things at once, please the seen audience and the unseen audience at the same time. One cannot serve two masters—then, since you are a radio artist, serve the microphone alone. Now, haven't you got a unique opportunity of expressing yourself, of giving your message to the world, all those hours of practices, those dreams, those requests, those

tears! "By tears o' artists, do you tears hezet." Here is your unique opportunity.

In an ideal studio, the atmosphere already prepared, you can give full vent to all your emotions. One must not stand in a set position, just where indicated by the announcer. If you feel that you want to get on more intimate terms with your would-be friend, move up to it, if you would like to make a gesture, make it—the microphone will appreciate it, and love you all the more for being human. Too much emphasis cannot be laid on the feeling you have towards the microphone, because if you are nervous, it is registered, if you are over confident it is registered, if you are tired it is also registered, but if you approach it with a humble spirit, liking it, wanting to be liked and loved, that also is registered and spells "success."

This applies only to artists who give of their "ego" when they sing; in simpler language part of their personality, dare we call it "soul," that goes out on the ether with the song, and the listener whose "ego" is tuned in with you, receives that, and that is the reason why there are favorites on the air. An artist work-

ing along these lines in time will develop a microphone sense, in other words, he will feel the influence of the microphone in the same way that he feels an audience. Alfred O'Shea has this new sense cultivated to a remarkable degree.

The successful radio actor must possess this quality in all its variations, for he is required to portray many characters, and the success of each part depends on his interpretation of the microphone sense such a character would possess. It requires a tremendous amount of study, and this new technique is not yet developed to its fullest extent in any radio actor. Meanwhile he is assisted by what we call effects.

It is not enough in the production of a play by radio, a descriptive talk, or a travelogue, to announce at the beginning that the action takes place indoors or outdoors, on the sea or over the sea. The listener must make his mental picture from the lines of the play, and talk aided by supplementary sounds; the latter must never be dominant, but playing on the imagination of the listener will prove a very effective background. These sounds are produced by a multitude of props working in the studio. Of course, the ideal way would be to import the actual sounds, but to import a fire might be asking for trouble.

A few weeks ago, 2FC put over a realistic fire play, the actual fire being produced by an empty "primus" well pumped up, and the actual crackling of flames—well, a few twigs, and a handful of dried leaves which were slowly cracked in front of the microphone. A real fire bell, horns "effects" and motor "effects." and we prided ourselves that the illusion was complete.

To our mind, our radio scenery presents the most difficult part of the play, whereas, one rehearsal is sufficient for the actual words, because after all, you can read off your script, the effects department must spend hours experimenting in front of the microphone in order to get the required sound production as you receive it.

The stage props, come in very handy, and all our stock effects, such as wind, rain, and motors, have seen duty on the legitimate stage; in fact, the "motor effect" used on many occasions in the 2FC studios, during the last few months, was actually brought out from London to Africa by our contributor, for use with Thurston Hall's plays. After fulfilling its duty in Africa, and being lost sight of for some two years, it was brought to Australia and last used by Moscovitch in his play, "They knew what they wanted." It is now

a valued member of radio's latest department, "effects."

During our "Christmas Eve in London," which brought forth favorable comment from our "customers," we had intended to give you a big surprise with a special machine that would create perfectly, such noises as an aeroplane, motor, motor bus, chug chug of a steam boat, engine whistle, beat airen, rumble and whistle of an underground train—in

fact, while experimenting, we had not exhausted the full capabilities of this "lush lush" machine as regards atmospheric effects. We were prevented from using it on that particular occasion, owing to a different type of current being used at the Columbia studio, where we staged the show. At our own studio, however, on the occasion of our radio trip from Sydney to London, we made full use of this almost uncanny machine.

## The Story of the Microphone

**How Emile Berliner, a German, made the first microphone, is told in his biography reviewed below.**

**F**OR the sake of a nail the shoe was lost, for the sake of the shoe the horse was lost," and so goes the old saying showing how the rider and eventually the kingdom were lost due to one little nail. A possible parallel to this is found in the invention of the microphone by Emile Berliner, a graphic story interestingly told by Frederic William Wile in his new book, "Emile Berliner, Maker of the Microphone."

Without the microphone the entire system of telephony, let alone the new art of radio, might have been long delayed, if not lost. And therein lies the tale of this immigrant boy. Interwoven with this biography is the story of the telephone, that wonderful thing we take for granted these days. Where 100 contacts with people can be made in a few hours with the telephone these days, in olden times when personal messenger service was the only available method of short distance message exchange, one or two contacts were a good day's work.

During the convention of the Institute of Radio Engineers in New York last year a number of young men connected with this new industry were gathered in a hotel room during the few small hours of the morning. They were men who were working out interesting experiments and yet the majority were not university trained technical men. Their work was always interesting and logical, and yet of an intuitive nature. The writer jocularly stated that this group should be known as the I. I. R. E. rather than I. R. E., that is, the "Institute of Intuitive Radio Engineers."

Emile Berliner may be described as an "intuitive engineer." He left school at 14 years of age, and was self-educated through reading and knocking about in the business world. He was devoted to music and self-taught in this art also. When the time came to break away from a

handrum clerk's existence in his home town of Ilseover, he went to the United States and as Mr. Wile says, "and Germany was bereft of a genius."

Stories of inventors and biographies in general are not always interesting reading, but Mr. Wile's story of Emile Berliner outstrips many a popular novel in its attractive style, based on a story of an invention that has come close to every person in civilized countries to-day.

In addition to the microphone, the facile Mr. Berliner invented the lateral cut talking machine record, which is the basis of practically the entire phonograph industry as it is known throughout the world to-day.

One of the most interesting features of the book is the story of the extensive and intensive litigation which surrounded the telephone and Mr. Berliner's inventions in general before the issues were finally settled. The present generation, particularly those "radically" inclined, might be prone to think that such messes as the present radio patent maze and litigation never existed during the nineteenth century. This book shows clearly that such was not the case, and the great structure which has grown out of the final settlement of these patents may well encourage those who look forward to the future unfoldment of radio, an art whose surface has hardly been scratched as yet.

The world should be most grateful for radio and radio in turn grateful to the microphone and its inventor. In bringing the story of this most deserving inventor to the public's attention, may we not suggest that the circle of gratitude should be extended by Mr. Berliner to Mr. Wile for his work, which will surely lead to a more general recognition of the evidently modest Mr. Berliner and his place in the communication and music era.





ONE could hardly require better proof of the great change that is taking place in radio progress than the 1927 Radio Exhibition. The new trend of development is never more strikingly revealed than in the annual united effort of the traders, but this year special importance is attached to the Exhibition, for it is the first outward sign in Australia that broadcasting has broken through the chrysalis of experiment to a permanent, self-sustaining service to the home. It is shown as a distinct self-supporting industry untied from the apron strings of outside support, in fact it was obvious to all who visited the Exhibition that the radio section which dominated the hall carried with it the electrical section and that without the support of radio there would have been no electrical exhibits.

We speak of a noticeable change, yet it is just five months since the last Exhibition was held, and what, if anything, has been learnt in that time? Have any startling new principles been enunciated? Have any revolutionary discoveries been made? The answer must unquestionably be in the negative. There have been no

speech-making contributions to radio theory, but what has happened is that mechanical advancement has taken place, and real progress has been made by sticking to details and by trying to make them better. Components have been improved because they have been made more conscientiously; sets have been improved because the situation of components has been more carefully studied.

#### Simple and Super Circuits.

To the technically minded the Exhibition revealed a great fight between the Straight Circuit and the Super Circuit. The Straight Circuit is advancing from its native province of Quality towards the attractive region of Selectivity, which has hitherto been the property of the Super Circuit. The latter is making a counter attack of a formidable character, and has already gained ground in Quality. At the same time it has seized the strategic points in Simplicity and Small dimensions.

One of the outstanding of the super circuit sets was the new A.W.A. eight valve super-heterodyne having but two controls, one for tuning and one for increasing the volume of the hi-

den loud speaker. With the exception of Perth, reception of every station in Australia was guaranteed on this instrument. Every piece of apparatus contained in its construction was manufactured in Australia.

#### Made in Australia.

The most hopeful feature in the Exhibition was the increase in the number of these Australian-made exhibits. No better evidence is wanted to prove that radio has come to stay. Australian component parts attracted more attention than those from Great Britain, America, Germany, Holland, and France, although in appearance there was little to choose between any of them. Australian-made sets far outnumbered the imported instruments.

From everywhere came music. Each exhibitor was anxious to display his goods. Questions were answered freely, and the enthusiasm of the demonstrators was contagious. Simplicity of control was the keynote of all the receivers displayed. One and two dial control receivers were the order of the day. Gone were the old-fashioned Honeycomb coils, gone were the multi-knobs which once adorned a radio receiver, gone were the many



*The two-control eight valve A.W.A. Superheterodyne, which attracted much attention at the Exhibition. Every piece of apparatus used in its construction was made in Australia.*

"gadgets" which once terrorized the timid purchaser. Instead there was an display the modern radio receiver which looked more like a piece of household furniture than a heap of machinery.

#### Contrast of Old and New.

A startling contrast was made between the early historic exhibit and the modern de luxe receiver. It gets one's thoughts wondering as to what the future will hold.

Round the corner we paused to look at the ultra modern—a receiver which required no outdoor aerial, is so simple in control that a child can master it, requires no batteries in any way, but is equipped in such a manner that the power is applied by plugging into the electric light socket. Simplicity itself.

Multi-valve sets were everywhere; here and there we came across a single valve receiver, but they were the exceptions. Loud speakers in all makes, shapes and types, each with its own appeal, were on view. One enterprising manufacturer produced a speaker in different finishes "to match the furnishings of the room." In every way the aesthetic taste was catered for in this the 1927 Exhibition.

#### Amateur Exhibits.

The amateur exhibits were unique and attractive. A radio set built in a matchbox was shown. An even more

novel idea, perhaps, was a crystal radio set built in an ordinary smoking pipe. But of all the remarkable exhibits in the way of freak radio perhaps the palm must be awarded to a crystal set built upon a representation of Felix the cat. The tail of Felix worked up and down, tuning in the different stations according to the position in which it was left. Felix being a cat, of course, had cat whiskers and his whiskers were the cat whiskers of the radio set. Felix was part of the competitive work of leading amateurs and his maker was awarded first prize for the most novel crystal set.

Other competitors built radio sets in a pocket book and in a lighthouse. A 3-valve set was housed in a perambulator together with a doll which was part of the set, and the owner facetiously called his creation a "cryodyne circuit." Evidently he was a married man.

A "bushman's set" was one of the most amusing of the work of the amateurs. It was made of bits of wire, the coils wound round a broken bottle, and a broken fork is used as a means of making contact. Some of the sets in the amateur competition were very beautiful, and the three judges had great difficulty in awarding the prizes. In several cases it

appeared that there would be a deadlock, and only after comparison of the sets point by point could unanimity be arrived at.

#### Time by Radio.

To the newcomer to radio the most attractive feature was the controlling and synchronising of clocks by wireless. This was on view at the stall of New System Telephones Pty. Ltd., wherein was situated the wireless transmitter for the control of the clock. The whole of the electrical energy was supplied by Burgess Radio Batteries.

Every half-hour the hands of a big clock were synchronised—set to exactly the right time, by this wireless transmitter. There were no wires or connections of any kind between the two clocks, except the intangible ether and the electrical impulses passing through it. This weird performance reminded visitors of the recent cable message describing the steering of an empty motor car by means of wireless, in a following car. The transmitter was designed and built by Mr. Raymond Allsopp, Chief Engineer of 2BL.

#### Electrical Exhibits.

The housewife found much to attract her attention in the electrical exhibits. Electric vacuum cleaners hungrily fed on their ample diet—dust. Quaintly dressed cooks officiated over the electric ranges, turning out all sorts of succulent dishes, cleanly and hygienically. Water was boiled in a flash, or, as it seemed—a button pressed and a hot bath awaited one.

Patrons received a full shilling's worth from the concert programmes given on the Town Hall platform each afternoon and evening.

The five chief broadcasting stations of Sydney took turns to treat the Town Hall platform as their studio for the occasion and to give their programmes from the hall instead of from the station. Each artist was broadcast so that visitors to the exhibition heard and saw the artists. Listeners in their homes all over the State heard them also.

#### Noyes Bros. Stand.

All-British apparatus was on show by Messrs. Noyes Bros. (Sydney) Ltd. The world-famous Igranite Super-Heterodyne 1927 Model was prominently displayed. Oldham Accumulators (special activation process), Brown's loud speakers and a Crystox working directly off a small crystal set helped to create an interest. In addition several electrical labor-saving devices were demonstrated.

#### W. H. Wiles.

Stand No. 5 housed the goods of Messrs. W. Harry Wiles. Wiles' Wonderful Wireless is known to all, and their well-known range of receivers were seen. The Wonderful home construction receiver, a

set which may be built step by step by the home constructor, was explained courteously and fully. Shielded sets, the latest absolutely, had a prominent position. This old-established firm was not behind in any way, in fact, they were rather to the fore. The Tefig cone speaker is well worth having.

#### **Amalgamated Wireless.**

A splendid range of receivers, tastefully arranged in a decorated stall, indicated that one was looking at the Amalgamated Wireless (A'sia) Ltd. stand. The All Australian Eight Valve Super-Heterodyne Receiver previously mentioned was open to inspection here. Other super-hets. from 45 complete were demonstrated willingly. The workmanship displayed in their wonderful range of receivers was astounding. Initiative was ever present. It would take up all our space to adequately describe the receivers on display on this stand.

#### **Stromberg Carlson.**

Most people have heard of the Stromberg Carlson Shielded Neutrodyne, which is the last word in selectivity. Different models of this renowned receiver, and an excellent range of Jewell Measuring Instruments attracted many visitors at Messrs. L. P. R. Bean & Co.'s stand.

#### **Magnavox.**

At Anthony Horden & Sons Ltd. one found much to attract. The Magnavox One Dial Receiver with the marvellous Magnavox loud speaker caused one to stop and listen. Many different sets from a simple crystal receiver to a glorious multi-valve were open to inspection. The nicely designed stall was in keeping with the goods of this well-known firm.

#### **B.G.E.**

Next door was the stand of the British General Electric Co. Ltd., wherein was displayed a range of superior English valves as well as broadcast receivers. Electrical domestic appliances always had a crowd around, and one was impressed with the splendid scheme of illumination on the stand.

#### **W. G. Watson.**

Probably all electrical appliances are on show at the Stand of Messrs. W. G. Watson & Co. Ltd. The radio enthusiast stops at the Ultra Battery Charger and the G. and GH Reproducers.

#### **Lawrence & Hanson.**

A range of transmitting and receiving valves for all radio purposes, labor-saving devices, such as vacuum cleaners, McClary Stoves and Hecla products were worth seeing at The Lawrence & Hanson Electrical Co. Ltd.

#### **Ediswan.**

"Ediswan" in big letters could be seen all over the Exhibition. Here

Dulcivox Speakers, Ediswan Valves and Lamps, loudspeakers, transformers and Hymeg. B batteries, as well as many electrical devices, made their call.

#### **Colmvox.**

At Colville-Moore Wireless Supplies extreme interest was awakened. The New 1927 Colmvox Super-Five Receiver in both portable and cabinet models was demonstrated. This receiver has remarkable capabilities and is extremely low priced. A radio set to suit the pocket of the visitor was seen here. In one corner the Colmo Charger could be seen actually charging an A and a B battery. All technical questions were courteously answered.

#### **Harringtons.**

Neutrodyne, Super-Heterodyne, One, Two and Three Valve receivers, parts, batteries and eliminators, splendidly shown, were to be seen at the stand of Messrs. Harringtons Ltd. The famous 1927 Gillilan Neutrodyne charmed everyone, as did the One Dial Model 20 Gillilan Neutrodyne. The radio enthusiast was pardoned for lingering over the stand—it was packed full of wonders.

#### **Emeco.**

One of the most attractive stands

was that of the Manufacturers Products Pty. Ltd. All the goods of Emeco brand as well as a completed Emeco-Super Heterodyne Receiver, the Renrade Porta, Renrade, Radiokes and Airzone products created interest. The new Radiokes screened and binocular coils were on a display board and could be seen from a distance.

#### **Clyde.**

Right next door a Clyde Battery totally immersed in a jar of water, and illuminated by its own power could be inspected if one craned one's neck over the crowd. A suitable background was effected by a most comprehensive range of Clyde Accumulators—all Australian made, and good.

#### **Cosmor.**

Standing through the passage way "At Cosmor Ltd.," in big letters, held the attention. The splendid range of Cosmor valves were tastefully arranged, and a few questions were answered to the effect that Cosmor Valves are made in two, four and six volt types for special and general purposes. These valves are eminently suitable for Super-Heterodyne.

Right in the corner, King Quality Products demonstrated their famous



The Clyde Battery stall, an attractive exhibit.

Neutrodyne Shielded Sets, Battery chargers and Ticker Chargers, took up the rest of the room, which is fitted with music.

#### Amplion.

Messrs. Amplion (Australasia) Limited, with a giant Amplion Radiolux Speaker surrounded by a whole host of other models of the "House of Graham," occupied a very large stand opposite. Interest was always displayed over the Carboncel, the integral parts of which were open for inspection. Sterling mine explosion apparatus was also on show—also Intercommunication Phones of the same manufacture. A most interesting exhibit.

#### Maling.

Next door again Messrs. W. Maling and Co., displayed the well-known Crossley receivers in many models. The new Zetka valve, the desired True Blue Valves, Reactone Coils and Heath Condensers were courteously demonstrated. The decoration effect was charming.

#### Phillips.

Valves, valves and still more valves, all sizes, shapes, designs and makes, special purpose and general purpose, the product of Messrs. Philips Glow Lamp Works, were prominently displayed. Lamps of all colors, bright ones, winking ones, left one looking. Here and there a Phillips loud speaker stood out. Battery eliminators, battery chargers, all sent out their appeal, and the finish of the stall rendered a credit to this wonderful organisation.

#### Radio Wireless.

Radio for the home, for the car, for the launch, for the cottage, was the sign displayed by the Radio Wireless Mfg. Co. Ltd. Just one peep inside the stall convinces one that this Company "Knows How."

#### Keogh.

"Keogh Leads with the Seven Valve Super" is a slogan with which we are all familiar. Several artistic console models were on show by Messrs. Keogh Radio Supplies. Smaller sets and accompanying accessories were on demonstration.

General Radio Company's apparatus is sponsored for by Mr. Hayward C. Parish, Super-Hets, Kits, coupling impedances and audio transformers, wave-meters and test sets—all the latest that America can produce—have been brought back from U.S.A. by Mr. Parish during his recent trip. The Electrical Engineer talks liquid starters, motor gear, such as Field Regulators, switchboards, etc., around the stand of F.T.S. O'Donnell and Griffen.

#### Mingay.

Housed in an open giant sized model of a Mingay Unique Super five could be viewed the comprehensive range of Mingay sets. The range was sufficiently big to meet everyone's requirements, and the workmanship displayed left little to be desired. The Super Nine and Super Three held attention, particularly when demonstrated.

#### Mick Simmons.

Messrs. Mick Simmons Ltd., also displayed the Magnavox Products. Of extreme interest was a Grandfather Clock in which was housed a Magnavox One Dial Five Valve receiver, and a finely toned gramophone de luxe hardly describes it.

#### Mallard.

Mallard valves need no introduction, but a wonderful display occupied stand 40. There it was learned that there is a Mallard valve for every purpose—one glance around suffices to prove this. It was interesting to see the similar type of valve used by 2FL for transmitting purposes.

#### United Distributors.

United Distributors Ltd., besides showing the famous Urdex sets, displayed a splendid range of wireless parts. One was courteously shown the Gilisco Six Valve Neutrodyne—an Australian Neutrodyne, too—and also the One Control Neutrodyne. Great credit is due to the designer of these marvellous sets. The home constructor was pleased to view the new Pilot parts, including three coil tuners, S.L.E. condensers, and the much sought after Illuminated Pilot Dial. Bremer Tully and Quam goods were there in abundance to cheer the heart of the short-wave fiend. This exhibit was most attractive.

#### Burgess.

Burgess batteries, Philco Accumulator batteries, Raytheon valves, all tended to make a splendid display at the stand of the New System Telephones Pty. Ltd. Acme eliminators, assembled and un-assembled, always had an appeal. In this stand was situated the wireless synchronising clocks already mentioned. It is indeed surprising also to see the vast range of Burgess/Dry batteries that are available.

#### BACK COPIES.

Back copies of "Wireless Weekly" Oct. 1, 8, 15, 22, or 29, are now available. Issues containing the following technical articles are also obtainable: How to build a Cone Loud Speaker, The Hamil Crystal Set, The Marco Four, A B Battery Accumulator, A One Control Five Valver, How to Convert your Crystal Set into a One Valver.

## Classical Music

THE latest controversy on the question of programming from broadcasting stations is now going on between listeners to 2FC, over the series of Beethoven's Sonatas broadcast each Sunday evening. The artists are Madame Evelyn Grieg and Mr. Henry Staell, who have presented a straight-out classical entertainment of admittedly "highbrow" class.

Many listeners are quite unempathetic with this type of item. They prefer jazz and comic songs, and make no secret of it. Recently, the artists, in a little speech over the air, asked their audience outright whether classical music was wanted. It may be taken for granted that listeners, who do not care about Beethoven's Sonatas, did not hear the question, and that those who liked classical music did hear it. In any case a surprising response has been received by 2FC.

A listener at Hunter's Hill wrote: "I feel that I cannot let the day pass without sending you a short note just to express in some small way the appreciation of my mother, my sister, and myself, of your interesting talk and beautiful recital of Beethoven and some of his wondrous works. We listened (being music lovers) without losing a note, to the movements of that beautiful second sonata, made so rich and descriptive by you and Mr. Henry Staell. We sincerely hope it will not be long before we have the pleasure of being entertained by you once more. Also, Madame, I ask you, please to favor us some day with some more of Chopin; we love him so."

A listener from Five Dock writes: "Most certainly give us some more of that lovely music we heard last night. It is the only way that we in moderate circumstances can hear. The fees for concerts are too high."

In the face of this correspondence, 2FC is continuing to broadcast classical music—in moderate quantities. It happens that the 2FC Instrumental Trio, which has been a delight to a section of listeners, has been broken up. Mr. Lindley Evans, the pianist, has gone, as Madame Melba's accompanist, and Mr. Lionel Lawson, violinist, has been engaged as lead in the new Symphonic Orchestra at the Empire Theatre. On this account lovers of classical music will look forward to a continuance of Madame Grieg's lecture recitals from 2FC.

## Licence Dodgers Pay Heavily in Victoria

THE postal authorities apparently are making a vigorous attack on Melbourne people who forget to pay their broadcasting fees. Last week there were nearly 20 prosecutions in various police courts in and around that city. The forgetful ones were fined from 10/- to 25 plus court expenses.

With so many warnings given by SLO to listeners who have overlooked the simple duty of paying their subscriptions, it is really surprising that so many people are found wanting. It certainly must be a case of procrastination that explains the expensive omission on the listener's part. The postal people have not told us what are the apparent causes of failing to get a licence; probably they could not very well know, and the excuses or explanations made to the magistrates are difficult of observing in the best light—it is hard to tell which is the true story.

The magistrates' viewpoint also is hard to justify. In some cases an offender is fined 10/- while in others the fine is as high as 25. Probably the evidence, the defence and the demeanour of the offenders have most to do with the variety of views taken by magistrates.

One cannot help feeling some sympathy for the listener who decides to get his licence when next near the post office—and then finds, as the first reminder of his forgetfulness, that a wireless inspector comes along with a summons! The Government officials have no mercy and take no excuses. It is useless saying "I'm sorry, I intended getting the licence last week and I'll now get it straight away!"

But evidently there are some mean-spirited people who seem to set out to dodge paying their rates or dues by hook or by crook. They will have no visible aerial so that their offending aerial cannot be seen. There can be no sympathy for such people. If the broadcasting service is worth listening to it is worth paying for—and the payment is less than a penny a day. The postal authorities are doing a service to all reasonable listeners by bringing such offenders to book.

### MELBOURNE RADIO EXHIBITION.

THE coming Wireless Exhibition in Melbourne will find the radio world of Australia in a whirl of excited flurry. Everything seems to be in a state of flux. Dealers don't know where they stand, except that it is in a danger-spot. Broadcasting companies are wondering just what the Royal Commission will recommend; beam wireless is on its trial.



HAVING A GOOD TIME IN NEW ZEALAND: Miss SLO with two members of the Silver Band at Timaru.

Everyone feels that we are on the eve of important events. We are standing at the threshold of a new era, and we don't know whether we will be kicked or invited through.

This Wireless Exhibition is a good thing to have annually. It is like a ship's log, thrown overboard to mark our progress. All the improvements in the wireless field will be shown, each neatly ticketed with the royalty Amalgamated expects to collect from it.

Through all the welter of emotion and speculation SLO is steadily holding its course. It will, I understand, have a studio erected at the Exhibition, whence it will broadcast all the ceremony connected with the official opening. Thereafter, for half an hour daily it will broadcast a programme.

By the way, there has been a slight cessation of the criticism its programmes have been receiving, since the Aronson Band has been engaged to supply music for the lovers of syncopation. I was amused, however, to read in one of the papers the other day a complaint from a correspondent, who, after praising Joe Aronson and his music-makers, "put the boot in" with a querulous—"But we can have too much of a good thing. Why do they keep on so long?" Verily, my brethren, it is impossible to please everyone.

### MELBA MAY BROADCAST FOR CHILDREN.

THERE is a distinct possibility that Dame Nellie Melba may take charge of the Children's Hour on the SLO programme, just to show how it really should be conducted.

I was talking to her the other day about broadcasting, and she expressed the opinion that stations abroad provided too narrow a programme for children. Merely to tell bedtime stories and to wish little Edith and Jerry a happy birthday was not enough.

"We owe a tremendous lot to children," said Melba. "We have to remember that as we shape their child-minds now, so they will grow in the future. I should like to see really great musicians engaged to sing fine songs and play fine music to them. They should be taught as early as possible the beauty that lies in good music."

"Would you do it yourself?" I asked her.

"I certainly would," she said promptly. "Wait till this concert tour of mine is over, and I will sing for the children. It would thrill me to think that my voice, singing some wonderful song, was being carried to the little bush children a thousand miles away."

"In America there is a friend of mine, a great musician named Ernest Schelling. He lectures to children, and shows them pictures of musical instruments, which he explains to them, and tells them exactly their place in an orchestra. Then he broadcasts lovely songs to them. That is the sort of thing we want here. In fact, I am going to try to persuade Mr. Schelling to come over here and show our children the beauty of music. I believe he'd do it for me."

In the meantime, stand by to hear Dame Nellie singing to the children. I suppose we'll have to call her "Auntie Nell" in the programmes. I'm not joking. She means exactly what she says. I have passed on the information to SLO and they are going to see about it. When it happens I am quite prepared to see letters to the paper complaining about there being too much Melba about the programmes, though assuring that her voice is still "quite good." The dear public!

H. ELLO.

# 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.



## THAT BARBARIAN JAZZ.

Dear Sir,—I entirely disagree with Eric Pearce's views on symphonic syncopation. There is nothing symphonic in the barbarian noise called jazz or foxtrot. (How anyone can call such riddle as "Peach" or "Five, Five, Five, Turn the Hoax on Me" music is beyond me. The public does not want it, and I hope the broadcasting managers will not "bow to public requirements" in that direction any longer. We have had quite enough of it.

Madame Evelyn Greig had to appeal to listeners to write to 2FC, saying whether they appreciated the beautiful Beethoven Sonatas, as the management had doubts as to the advisability of putting them on the air. I feel sure scores and scores of letters were sent in.

On a vote being taken some time ago, church and band music (classical) came out right on top. Jazz was well down. That shows the public requirements, which the managers must vie. The sooner the better.

Yours, etc.,  
W.Y.

Exeter,

## BETHOVEN.

Dear Sir,—Many people look down on the music of Beethoven, because, they say, not only is his work complex and beyond their comprehension, but, worse still, it is old-fashioned. In a sense, there are good folk who concur in their assertions, for the most eloquent and sublime keyboard works of Beethoven often bristle with difficulties which have made the music lover and pianist fight shy of them. But old-fashioned, one might as well call Shaw or Shubert as old-fashioned. Nevertheless this attitude exists, and in choosing Beethoven to test the musical appreciation of the radio public 2FC has been hardly fair on classical music generally. I suggest that Madame Greig conduct another test, playing the works of a lighter and more easily understood composer.

Yours, etc.,  
MUSICIAN.

Darlinghurst.

## SUPERIOR PROGRAMMES.

Dear Sir,—I wish to say how pleased my husband and I are with all the 2FC programmes. There is enough variety in them to suit every taste, and those who are not satisfied with them, must be few and far between.

My husband enjoyed the Xmas Eve programme, and hopes 2FC will give it again at some future date, it being the best transmission he has heard. I liked the "Trip to London." It was so real that I felt as if I were on board myself with the company. Long may 2FC reign "on the air."

Yours, etc.,  
MRS. DENHAM.

Guildford.

## COUNTRY PIRATES.

Dear Sir,—There are not nearly as many licenses as there are sets in the country, not by a long chalk. A round-up of these pirates would considerably enhance the revenue of the broadcasting stations. At present, the P.M.G. appoints, as local inspectors, postal officials, the majority of whom do not like playing the part of policemen, and who, not being interested in wireless, do not care who has a license, and, still less, who has not, and accordingly do not worry their heads at all over the matter. Why not give the Police Department the duty of calling on places decorated (??) with aerials and inspecting the licence of the occupier?

Then, again, the dealer supplying the set could be made responsible that the client has a licence by taking one out in his client's name, and adding the cost to the price of the set; a heavy fine for non-compliance would ensure such a regulation being carried out.

Yours, etc.,  
VERNIE DIAL.

Murwillumbah.

## 7 p.m. NOT DAYLIGHT.

Dear Sir,—Rawdon H. Suttor, of Tamworth, reports 2FC coming in well during daylight (W.W. 11/2/27), also that he is now converted to the low wave. If Mr. Suttor operated a radio set when 2FC was on the long wave, it must have been a very much less sensitive apparatus than which he owns now, unless he was in a different category to other radio fans, situated his distance from Sydney. The power of 2FC, 4QC, and 2BL at 7 p.m. in this town, Gunnedah, 48 miles from Tamworth, is generally much greater at this time of the year than some station's punch is at 8 or 9 p.m., but 7 p.m. is not daylight from a radio point of view.

Yours etc.,  
M.J.O.

Gunnedah.

[The Editor welcomes reports of day and night reception of 2FC and 2BL in the country districts.]

## REVOLUTIONARY.

Dear Sir,—Might I suggest a revolutionary change in broadcasting? We have five top-top A class stations broadcasting a different programme each night, and regardless of reception conditions we cannot hear the same item twice, no matter how much we desire it, but if you are a theatre-goer, and some item or items captivate your fancy, you may go over and over again.

Now, why cannot some of our broadcast stations put the same programme on for two or more nights running? I think it would be a good idea for broadcasting stations to ask for a vote on this question.

Yours, etc.,  
"LONG RANGE."  
Mount Russell.

# Why Stations Interfere

Every reader should be able to follow this simple explanation of the cause of interference. The writings of the Chief Engineer of the British Broadcasting Corporation are already well known here, for they have previously appeared in this journal. This article has already been published in the official organ of his organisation.

By CAPT. P. P. ECKERSLEY

WE have just concluded some tests on making two stations transmit different programmes on the same wave-length. It would be premature on my part to indicate whether or not these tests were successful; but it might be interesting to discuss some points relevant to single wave working.

I would like to recapitulate something of what has often been said before, but which may not suffer by repetition—namely, that the whole underlying principle of interference between stations is the principle of "beats."

If you hit a piano note and the one next to it—play, in fact, two notes a semitone apart—you may, if you listen very carefully, hear a "throbbing" sound as well. Born of the two notes near to one another comes a third vibration. You can do it better by tuning-forks. Suppose you take two tuning-forks, one vibrating at 1,000 a second, and the other at 1,050 a second. You will hear, if you listen carefully, a deep throbbing note equal to fifty a second (which is 1,050 minus 1,000). This is a fact, and not to put too fine a point on it, if you will just accept the principle that two disturbances of different frequencies produce a third frequency equal to the difference in frequency between them, you will go a long way towards appreciating what follows.

So far, we have two "sound" frequencies—i.e., little puffs of slightly different rates of occurrence—in the air producing another "sound" or air wave frequency, which we can hear directly with our ears. But the principal of two disturbances of different frequency producing a "beat" or lower or third frequency remains the same for all sorts of wave motions, and is, in fact, equally true about wireless waves in the ether as of sound waves in the air.

Thus if we send out a frequency of one million vibrations a second in the ether (i.e., a wave-length of 300 metres) and another frequency of 995,000 (approximately 302 metres), we shall produce a further frequency equal to 1,000,000 minus 995,000, i.e., 5,000 vibrations a second.

Our wireless receivers, thanks to their rectifiers, can make you hear this, and your ears can read easily on to 5,000 vibrations a second although incapable of hearing anything like the

millions of vibrations we were talking about before.

Now, the ear can hear beats up to 30,000, but practically speaking, anything above 10,000 can be considered—via wireless, at any rate—in audible or supertonic.

Thus, if two stations work on frequencies, say, 1,000,000 and 990,000 (respectively wave-lengths of 300 metres and 303 metres) we shall have a note of 10,000 (there is a 10 kilocycle separation), and this is for practical purposes inaudible; the stations do not beat together, and all is peace!

of 1,010,000 practically inaudible, then 1,005,000 a 5,000 note, then, getting nearer to the exact tune, 1,000,200 (near middle C as 1,000,200—1,000,000 equals 200 vibrations a second); and so the note goes from a high-pitched shriek down and down and down, till it is just a grunt.

So, with a distant station which ceases, in effect, the oscillator next door. As the distant station gets nearer and nearer the wave-length of our own, so the heterodyne or beat note gets lower and lower. Now—and this is the point—if two stations could be adjusted to exactly, say, 1,000,000 frequency, then there would be no beat note at all (1,000,000—1,000,000 equals 0), and we cannot hear a frequency of 0 vibrations a second. So we have sought the solution of the difficulty of crowding, say, 200 stations into a band of frequencies which, with a 10 kilocycle separation (10,000 vibrations) will only give us room for 100 by trying to work the surplus on the same wave-length.

You will appreciate the difficulty. We can hear thirty vibrations a second with our ears . . . it is like the deep pedal notes of the organ. So if one station on 300 metres (mark! I have taken 300 metres as typical all this while, the argument applies to any wave-length) and another station on nearly 300 metres beat together with a difference of only thirty, we shall hear a note. So, assuming one station to be dead right, the other has to maintain its frequency right within thirty parts in one million, or one part in 30,000! As each may vary, this is not the worst!

The solution may be sought in terms of a Pizo electric crystal, which has the marvellous quality of oscillating in association with a valve to something like this accuracy. If each of the stations can be "driven" by the same invariable source, or by crystals exactly calibrated, the scheme may be successful.

Beating together and heterodyning, then, at two stations is caused by two stations working too close together in wave-length. It is, unfortunately, a fact that a station in Rome working too near the wave-length of London, can produce a beat note which can be heard in Streatham or the suburbs of Rome. Thus, there is one common-sense solution to our troubles, fewer stations using higher power,

## A Radio Wish

By MARJORIE BARROWS

I'D LOVE to tune into the air

If I could hear instead  
Of jazz-songs just a cricket's  
prayer

Before he goes to bed.

And then I'd tune and tune  
and tune

Till I heard way up far  
The lullaby of Mother  
Moon  
To a baby star.

If, however, the stations work on frequencies 1,000,000 and 995,000 or 1,000,000 and 1,005,000 (i.e., wave-lengths of 300, 302 or 300 and 298 about), we get a 5,000 beat note a thin, shrieking, wailing note on top of the programmes. Hence, we have to separate all stations by something like 10,000 frequencies to stop them interfering or beating with one another to produce audible notes.

The beating together to produce an audible note is called heterodyning. We get another example of heterodyning when the man next door oscillates—i.e., sends out waves of slightly different frequency from the one we are trying to receive. Thus if a man switches on his set, oscillates and moves his tuning condenser, tries to tune in to 1,000,000 frequency, he may produce first of all frequencies



Principals in *High Jinks* to be broadcast by 2FC on March 8 and 12. From left to right, Gwen Sherwood, Claude K. Earle, Dorothy Meredith, Roy Bartlett, and Irene Forsyth.

## IT'S ALL IN THE AIR

Coming Features in the Broadcasting Programs

### "HIGH JINKS."

2FC listeners on March 8 and 12 will be treated to a good musical comedy, "High Jinks"—to be produced at Chatswood by the Kuring-gai Operatic Society, recently heard in "A Runaway Girl" and "The Orchild."

The principal soprano is Dorothy Meredith, who played the same part (Sylvia) for the Parramatta Musical Society. The principal baritone, Claude K. Earle, is outstanding in his interpretation of the part of Dick Wayne, who sings the well-known air which runs all through the opera—"Something Seems Tingle-tingle-ting."

Gwen Sherwood, the comedienne of the piece (Adelaide), has a fine number in "Jim," which is sung with a backing of twelve male admirers. She also sings "I'm Through with Roaming Rameus," and in a duet with "Jeffreys"—"Not now, But Later"—she has scope for her coquettish style of singing and acting. Other comedy work is in the hands of Bert Cook, who sings two up-to-date comedy numbers—"To-night's my night with Baby" and "Poor Papa."

Roy Bartlett takes the part of Doctor Horne, the central character in the play, and Irene Forsyth that of Mrs. Horne. Both of these artists are well known for consistent amateur theatrical work.

**HUXHAM SERENADERS:** Among the many excellent quartettes, five parties, and other musical combinations that broadcast "unaccompanied" vocal selections, special mention must be made of the "Huxham Serenaders" and delightful vocal quartets that have recently made their bow before the microphone at 3LO. Their repertoire is extensive, and comprises selections that range from Musical Comedy to Grand Opera.

**BRISBANE'S BEST ASSET:** A novel transmission will be effected by 4QG on the night of March 16, when the complete evening's programme will be relayed from the Kiosk at Mt. Coatha, just outside of Brisbane. Mt. Coatha overlooks Brisbane and a magnificent view is obtainable from it. The Mayor of Greater Brisbane (Alderman W. A. Jolly) will attend the concert and say a few words during the evening. The Mayor will have much to talk about, for Mt. Coatha is one of Brisbane's best, if not its very best, assets.

comedy, broadcast many times by 2FC. Mr. McCunn comes from a musical family, and at a very early age was famous in Scotland as an accompanist, being often heard in organ recitals. Before coming to Australia, he was associated with Humperdinck, the German composer of the delightful fair opera "Hansel and Gretel." Mr. McCunn's collection of Wagner scores and records is unique, many complete recordings of the different operas being the only copies in Australia.



Mr. Andrew McCunn, J.C.W., Musical Director, lately conducting "Rose Marie," the record-breaking musical

**"BE-KIND-TO-ANIMALS" WEEK:** 2FC is always prominently associated with this movement. A special sermon on animals will be preached by Archbishop D'Arcy Irvine from St. Andrew's Cathedral on Sunday, 6th March, and the President of the Association, Mr. Crooks, will speak from the Studio on Monday evening, 7th March. The official opening of the Week will be given from Farmer's Exhibition Hall on Monday afternoon, 7th March. Is it a coincidence that "Imito" appears at the Studio that night, with his wonderful imitations of birds and animals? It is hoped the Society will not endeavour to restrict his efforts on the ground of "Cruelty to animals." Mr. Duff, always an enthusiastic worker in the cause, will speak to the children on Tuesday night, 8th March, and Saturday night, 12th March.

**ON NEW YEAR'S EVE** last listeners to 4QG were provided with a very fine concert relayed from the home of Mr. W. Donald, of West End, Brisbane. Mr. Donald has promised to arrange another evening at his home and this will be relayed by 4QG on the night of March 25.



S.S. "FRANCONIA." Sydney residents will remember the great amount of publicity that was accorded the entry into Sydney Harbour recently of the Cunard Liner "Carinthia" with its valuable freight of multi-millionaires, who were touring the world in search of new sensations. Seeing Sydney occupied fifteen hours of their scheduled time. ZFC, always on the lookout for something novel, got permission to broadcast from the deck of the steamer a programme given by ZFC artists. In addition to this, the ship's authorities very courteously allowed the Station to broadcast items by the wonderfully equipped orchestra which was part and parcel of the ship. It comprised over twenty members, all of whom had more than a nodding acquaintance with three or four instruments. Now as "Franconia" comes to our shores, laden, we are told, with even wealthier people, if that were possible. It is hoped ZFC will have the opportunity again of broadcasting from the deck of this vessel. In anticipation thereof, the following artists have been booked: Mr. Alfred Cunningham (baritone), Madame Emily Marks (soprano), Miss Leslie Elliott (entertainer), Mr. Jack Lumsdaine, Sydney's most popular entertainer, and Mr. Van der Kruit (cellist).

**REV. RAWARD, THE FIGHTING PARSON:** Although fighting in this case does not mean in the puristically, the Rev. Raward's fighting qualities are shown in his organising capabilities. Is there a man wearing the cloth who has such a sense of showmanship? We mean, of course, showmanship in the finer sense. When he quietly produces a programme for one of the Lyceum's "Pleasant Sunday Afternoons" and shows he has got together six speakers, all leaders of their kind in the various sports they represent, when the broadcasting manager of ZFC had been attempting to get these same speakers for months—well, it makes that same manager think hard. He exceeds as an orator, as well as an organiser. Some of the subjects covered by him in the Studio of ZFC include "Great Snakes," "Ants," "Buffaloes," "Goldfish," "Butterflies," "Ostriches," "Elephants," etc., and other creatures, large and small, have been handled with a knowledge and humor that has made even the most blasé talk-hater tune in and hang on. Now this virile personality is going away for a much-needed trip, to the other side of the world, and ZFC have asked him to give his final series of talks during the month of March, culminating in his farewell service at the Lyceum on Sunday, 27th March. The goodwill of ZFC goes with Mr. Raward.

**SKETCHES:** Miss Pressy Preston and Mr. Reg. Wykeham have been engaged to broadcast a series of sketches from ZLO. Their programme will include sketches that have been specially adapted for transmission through the air, and range from the intensely dramatic to the delightfully whimsical type of playlet. Both artists are well known on the dramatic stage, and, at the present time, Mr. Reg. Wykeham is lending able support to Miss Renee Kelly at the King's Theatre, where she is appearing in "Mrs. Cheyne."



Little Willie and Daddy Long-Legs, popular announcers and headquarters tellers at ZBL. Mr. Dick (sitting), and Mr. B. Krebs.

**SEEING THE UNSEEN** sounds supernatural, but the advance of science has enabled us to see by means of the X-ray the bones of the body or a bullet in the flesh which ordinarily could not be seen. The term X-ray was given to the peculiar invisible rays discovered by Rontgen and Wuerzburg in 1895, which to-day are used by surgeons throughout the world. Commencing on April 6, 4QG will broadcast a series of four lectures on "X-ray for the Layman," which should prove very interesting.

**THE KENTUCKY THREE:** A refreshing "novelty" note has been struck by ZLO in the engagement of the "Kentucky Three," a brilliant trio of musicians who perform upon the piano, viola and the banjo. Conspicuous among their repertoire are many plantation melodies specially selected and rehearsed by Miss Thelma Reedy, the clever young banjoist.

**APPEAL FOR JAM:** Jars of Jam are arriving at ZLO in response to the appeal for jam for the Foundling Homes, and very many come addressed to Mr. Billy Bunney. These invariably bring little messages explaining how the jam has been obtained. One youthful contributor wrote, "I brought my little brother aged five up to the Studio to hear you speak one night, and he heard you asking for jam for the babies. He went straight home to mother and asked for a pot of her new jam, and this is the one we are sending you."

**MUCH ADVERSE CRITICISM** has been directed towards the playing of gramophone records in a broadcasting studio, but what could be more enjoyable than a carefully selected programme of songs and instrumental numbers rendered by some of the world's leading artists? 4QG has realised the value of such a programme, and has included twice a week in its afternoon session some very fine records interspersed with selections on the piano.

**LECTURES OF INTEREST** to farmers are broadcast by 4QG each night from Monday to Friday inclusive between 7.15 and 7.30 p.m. Prominent men connected with the various branches of Agriculture and Stock raising deliver these addresses from the studio of 4QG. Within the next two weeks, Professor Goddard of the University of Queensland will commence a series on "The Science of Animal Breeding," Mr. E. J. Shelton, Instructor in Pig Raising, will continue a series on "The Commerce of the Pig" and Mr. W. G. Brown, Instructor in Sheep and Wool, "Talks on Sheep."

Lectures that should command the interest of city dwellers as well as farmers are:—"The Milk Supply of the City of New York" by Mr. J. K. Murray, Principal of Gattton College, and "Our Meat Supply, Past and Present" by Mr. H. G. Cheeseman, Senior Inspector of Slaughter-houses, Mr. McMillan, Plant Breeder at Gattton College, and Mr. O. Kidd, Hon. Secretary N.U.P.R.A., will talk on "The Maize Plant" and "Poultry" respectively.



## Book Review

Continued from Page 14

messages back and forth between the Commonwealth and Great Britain. The Ballan Station is well described and illustrated. Passing on, the reader finds splendidly illustrated matter describing the company's far-flung activities in Coastal Radio Services, Island Radio Services, Marine Wireless, and Broadcasting. It is presented in such a way as to be not only a complete list of all of these stations, but to be also most interesting reading for even persons not familiar at all with wireless.

There are many pages devoted to a description of the different radio products which are manufactured or marketed by the company, including the well-known "Radiola" receivers, which are giving such excellent results in many parts of Australia.

Of particular interest to the technically-minded reader are the particulars concerning different types of valves on the market, including their characteristics, filament and plate voltage and amperage. These include also transmitting valves.

The technical portion of the book is exceptionally well written. In it the reader finds full details of many types of receivers for home construction, from the simple Crystal Set to the Selective Multi-Valve Receiver.

There are many pages devoted to technical information, which it is often difficult for the broadcast listener to get hold of, such as technical terms used in radio, series and parallel battery diagrams, useful formulae, wireless symbols, frequency and wave length tables, and a vast amount of data, which alone makes the book worth while.

The last thirty pages or so contain full lists of Australian and Pacific Island coast stations, Australian and New Zealand ship stations, world-wide short wave stations, and Australian and New Zealand amateur transmitting licenses to date. There is also included in this portion a list of radio dealers throughout Australia.

Summed up briefly, the matter contained in the "A.W.A. Radio Guide, 1927," is just as interesting as the front cover is attractive. It is by far the best production of its kind that we have yet seen.

Our copy from Amalgamated Wireless (A/asia), Ltd., 97 Clarence Street, Sydney.

Price, one shilling, or one shilling and twopence, post free.

# Sydney Radio Co. Ltd.

## Can Supply All Your Needs . .

### IF YOU WANT QUALITY PARTS, VISIT OUR SHOP.

### But—if you want Cheap Junk—Don't— We Keep It Not.

#### WE STOCK:

PHILLIPS' Valves and Rectifiers.	EMMCO Products.
AMPLION Loud Speakers.	CLYDE Accumulators.
COLUMBIA Dry Cells and Batteries.	BALKITE Chargers.
RADIOTRON Valves.	EVER-READY Batteries.
	ALL-AMERICAN Parts

#### POPULAR PARTS AND PRICES:

Standard Sockets . . . . .	2/6	Balkite Trickle Chargers.	
Balancing Condensers . . . . .	0/3	Price . . . . .	24/7/6
Hookick Rheostats . . . . .	3/-	Columbia Dry 44v. Cells . . . . .	2/3
4in. Bakelite Dials . . . . .	3/-	Benjamin Sub Panel Sockets . . . . .	3/6
Battery Switches . . . . .	2/-	Klossner Rheostats . . . . .	4/3
Switching Keys . . . . .	7/6	Klossner UX Sockets . . . . .	2/3
Variable Condensers—		Weston Phone Plugs . . . . .	4/-
.0025 Montrose . . . . .	15/-	Fixed Condensers, from . . . . .	2/6
S.L.F. Montrose . . . . .	17/6	Lightning Arrestors . . . . .	3/6
SPECIAL MONTROSE		Phones . . . . .	22/6
T R P. KIT . . . . .	63/-	Columbia Layerbilt, 45v. B. Batteries . . . . .	22/-
Advance .0025 S.L.F. . . . .	10/6	Phillips' Chargers.	
Special Spider Web Coils . . . . .	5/-	Prices . . . . .	35/- and 58/10/-
Masse Accumulators, 4 volt.			
Prices . . . . .	80/- and 90/-		

## THE UP-TO-DATE SHOP

# Sydney Radio Co. Ltd.

60 CASTLEREAGH ST.

Next to Carlton Hotel

SYDNEY

# HAVE YOU SEEN

# “KARAS?”

“KARAS” means all that can be desired in quality radio parts.

USE “KARAS ORTHOMETRIC” SLF CONDENSERS, and you have the best tuning arrangement possible.

USE “KARAS HARMONIC” TRANSFORMERS, and you reproduce the best music possible.

“KARAS ORTHOMETRIC” CONDENSERS are recognised by competent authority to be the best made.

Sizes: .00025 M.F. 11 brass plates. Price, 32/3  
 “ .00037 17 do do 33/6  
 “ .0005 23 do do 34/9

“KARAS HARMONIC” TRANSFORMERS are a masterpiece of technical and mechanical skill. They are nearly twice the size of most other transformers.

Clear Voice :: PRICE 34/9 :: Pure Music

### COUNTRY CUSTOMERS, PLEASE NOTE!

Do not hesitate to send us a trial order. Send along for any one item; judge the quality, and then if you are not satisfied, we will refund your money without question.

### BUILD YOUR SET WITH THESE PARTS

And see how you can save money.

Rheostats—50 ohms, wire wound: De Jur, 3/9; Precision, 3/-; Emmet, 4/6; Ajax, 1/10.

Potentiometers—400 ohms, wire wound: De Jur, 4/6; Ajax, 2/6.

Valve Sockets, for Standard 201A Valves—H & H, Porcelain, 4/-; Ajax Black Base, 1/0; UX Parker, 2/9; Parkson, 2/-; Benjamin, 5/-.

Lowloss Condensers—0005 M.F.: Certified (Aluminium), 12/-; Arterolt (Brass), 15/-; Advance, 0005, 10/6; Advance, 00025, 10/-.

Vario-Couplers, green wire wound; 3 Circuit—Radioakes, 17/6; Grodan, 14/8.

Spider Formers—Grodan, with pins, 1/3.

Browning Drake Kits, well made—Pinnacle, 23/6; Economic, 22/6; Radioakes, 42/6; Grodan, 42/6.

Neutrodyne Kits, wound with green wire—Radioakes, 32/-; Grodan, 30/6.

Neutralizing Condensers—Advance, 4/6; Grodan, 3/9; Renrad, 3/-.

Transformers—The Crescent, Ratio 8 to 1, 3 1/2 to 1 13/6. The line is sold with an absolute guarantee not to burn out within 12 months!

Voltmeters—For B Batteries, 0 to 50V ..... 4/3

Headsets—The Famous “Ambassador” ..... 12/6

Philp’s Valves—B106 ..... 13/6

Mullard Valves—PM4 or PM4 ..... 13/6

De Forest Valves—.06 Amp. or 3 Volts DV3 ..... 13/6

Radiotron Valves—UX 201A ..... 12/-

UX 199 ..... 13/6

Carborundum Detectors—The Famous Fixed Detector ..... 17/-

Harle Crystal Detectors—Suit all Reflex Circuits ..... 7/6

Country Clients.—We Pay Carriage on Orders of 10/- and over, except on Batteries, Speakers, Cabinets, and Value Payable-Post Parcels.

Don’t forget, all our goods carry a Money Back Guarantee. YOU MUST GET SATISFACTION.

## 201A

# “RADEX” VALVES

## 199

Fit Standard  
201A or UX Socket.  
5 Volts .25 Amp.

# 6|9

Fit Stand UV  
Socket.  
3 Volts .06 Amp.

“Ask the Man who Uses Them.”

“YOURS FOR LOWER PRICES.”

# The Economic Radio Stores

25 New Royal Arcade, Sydney. Phone M 3049

Branches:— NEWCASTLE: 549 Hunter Street West. Phone: New. 1622.

PARRAMATTA: Corner Church and Macquarie Streets. Phone U.W. 5901.

A knowledge of batteries is necessary for the successful operation of a radio set. The principle of the dry battery is described in this article.



Much of the trouble attributed to the receiver can be traced to careless handling of batteries.

## The Dry Battery for Wireless

**M**OST people are familiar with the ordinary dry battery, but just how many people know how it works is a question we might well ask. In radio circles to-day, dry batteries are very common, both in the capacity of A, B, and C batteries. A better understanding of the principles underlying the functioning of these commodities should lead to better service from them, which, after all, is that which the average radio enthusiast desires most to-day.

Almost 60 years ago a Frenchman by the name of Leclanche produced the forerunner of the dry battery of to-day. A description of this will be of interest as a foundation for this article. Into a jar containing a solution of ammonium chloride, or sal ammoniac, as it is better known, he inserted two elements or electrodes, one element being a zinc rod and the other element a carbon rod. Now, it is well known that almost everything in this universe is capable of doing electrical work. The capacity for this class of work is known as a potential, and is always defined with relation to some other factor.

The difference in potential between the sal ammoniac and the zinc is about five of a volt, whereas the difference between the carbon rod and the sal ammoniac is one volt. When added together we have a voltage of one point, five volts, this being the E.M.F. of a cell of this type.

The sal ammoniac acts as an exciting solution, and thereby plays a most important part. When the elements are connected together by a conductor, such as a piece of copper wire, a chemical action is set up between the plates and the solution thereby causing an electric current to flow through the connecting wire. In supplying the energy the zinc is dissolved and turns into zinc chloride and ammonia, and releases hydrogen

gases. Now, the ammonia, as we know, is soluble in water, and after a time escapes from the cell as a gas. Not so the hydrogen, however, which, instead of escaping, clings to the carbon rod, thus preventing the flow of further current.

To overcome this stoppage of the flow of current, or as it is better known, polarisation; it has been found that a black powder known as manganese dioxide has an affinity for hydrogen, and in effect the hydrogen is oxidised, thus forming into ordinary water, which is dissipated in the cell itself, thereby restoring the cell to an active condition. But, of course, as time goes on and this action takes place more frequently the manganese dioxide or the depolarising agent becomes weakened in the process and is finally rendered incapable of further work. When this takes place the cell is, of course, useless for any further purpose until the elements, manganese dioxide and the sal ammoniac, is renewed.

Now, in the Leclanche, the manganese dioxide is contained in a vessel known as a porous pot in which is also situated the carbon element. As its name implies, this porous pot allows the sal ammoniac to penetrate to set up the chemical action, the zinc rod standing in the sal ammoniac outside the porous pot. These Leclanche cells are frequently used for ringing door bells, etc., and a modified form is becoming more popular day after day for radio purposes.

The dry cell, as we know it, is not really dry after all, as the electrolyte takes the form of a moist paste, thereby rendering the unit unspillable. For convenience the zinc element acts in the capacity of the container. In this zinc pot is contained the sal ammoniac paste, in the centre of which, surrounded by a quantity of manganese dioxide, is the carbon rod.

The battery functions in a similar manner to that of the Leclanche cells, and on account of its convenience is very popular to-day for radio work. Most people are familiar with the Number 6 dry cell, which is used for an A battery for the popular dull emitter type of valves. The voltage of this dry cell is similar to that of the Leclanche cell—that is, 1.5 volts, so that when three are linked in series we have a multiple of 4.5 volts, this being the voltage used for most dull emitter valves to-day. Being a primary cell it differs from the secondary or storage battery inasmuch as the elements become worn and the paste, etc., exhausted, the dry cell has to be discarded altogether. It is not rechargeable.

Now, this wearing out is slow or quick in its action, according to the amount of current extracted from the cell. The more that is drawn from the cell the shorter will be the life. The converse is true up to a certain limit, for example, if one used dry cells to heat the filaments of valves taking a high amperage the cell would very quickly be rendered useless. It would be foolish to connect four dry cells in series, thus giving six volts to run a four valve wireless receiver, the total amperage draw of the valves being a quarter of an amp. each. A storage battery becomes necessary for this. Yet how many people whom the writer has some reason who have been unaware of this fact and have blamed the dry cells very wrongly. It is never advisable to draw more than about two of an amp. at the most from any set of dry cells of the type described. Remember this now, and not only will you save much money and temper, but better reception will result.

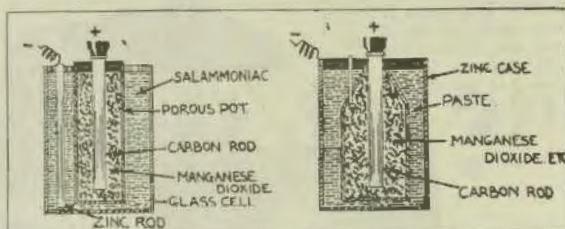
A battery of this description has a recuperating power, as will be under-

stood. We have seen that polarisation kills the battery and that depolarisation assists in renewing its life. When the batteries are not in use this depolarising action takes place, thus permitting the cell to recuperate to a very large extent. As previously mentioned, the less the draw from the cell the longer will be the life up to a certain point, and here comes the explanation of that term known as shelf life.

If a dry cell is allowed to remain for some time without any current being drawn from it, a certain chemical action takes place inside, owing, frequently, to slight impurities in the chemicals, and as this chemical action takes place the zinc case becomes dissolved by the sal ammoniac paste, even although no current is passing. As time proceeds, the zinc becomes perforated, worn out really, and as the life of any dry cell depends greatly on the life of the zinc, when this zinc is worn out the cell becomes inoperative. It will, therefore, be understood, and even although no current is drawn from the cells as time proceeds it will become useless.

The familiar B battery consists of simply a number of these dry cells, certainly of smaller dimensions, joined up in series. In the B batteries in particular shelf life plays a most important part on account of the small size of the cells. The internal resistance also has to be kept constant, otherwise severe crackling will be heard on the loud speaker. To this end, it is important that each unit cell be carefully insulated from its neighbor, and if one were to open a B battery one would find just how careful the manufacturers are in insulating each individual cell. A certain amount of care and attention is always required with all types of B batteries, and once the action is understood we know that more attention will be given to these accessories.

Just the other day the writer had brought to him a B battery which was reckoned not to have given sat-



Sectional drawing showing the formation of a Leclanche and a dry cell.

isfactory service. On examining it, the battery was found to be soaking wet. To the person who knows anything of batteries the reason for the bad service is very obvious. If the battery is shorted, that is to say, if the positive terminal is connected straight across to the negative terminal, either purposely or accidentally, a direct short circuit will result and if this connection is maintained, the battery ultimately will be found to exude a sticky moisture, which is really its life blood pouring out. Some people accidentally short a battery by leaving a pair of pliers or a screw driver lying across the top of the terminals, which has the effect already described. When this happens the manufacturer is not to blame, but the owner must accept the responsibility.

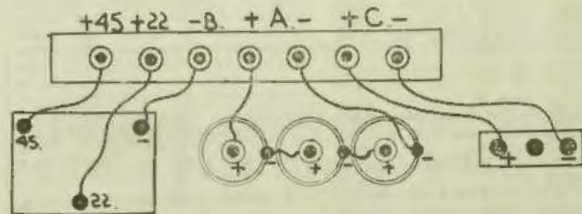
Again many people for the sake of cheapness are apt to use B batteries of too small a capacity to meet the draw made by the receiver. Small capacity B batteries are very suitable indeed for one and two valve sets, but for three or more valves it is always advisable to employ the larger capacity B battery, as longer life and greater service will be the result. In order to tell when a B battery is worn out a test made by a volt meter is best, but this test should be made when the B batteries are under load—that is, while they are connected to the set in operation. This test will

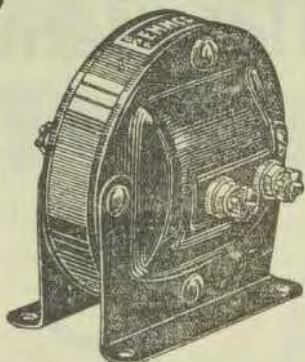
reveal the voltage actually being applied to the plates of the valves, and if the volt meter shows less than half of the normal rating of the battery this is a sure indication that the unit is worthy of replacement.

Always remember that the manufacturer of batteries knows his work much better than the average wireless enthusiast, and has produced his product after exhaustive research into the stringent and exacting conditions required for wireless service. Ofttimes the batteries are blamed when the valves used are drawing more than the experimenter or enthusiast really thinks. It would be very interesting to know just the milliampere draw of the many different types of valves marketed to-day.

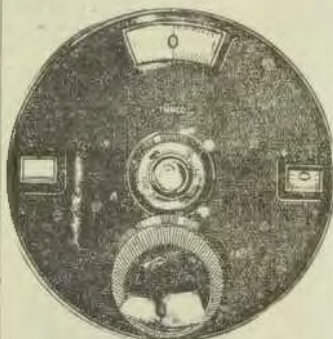
Finally, let it be understood that the inclusion of the C battery in a multi-valve set prolongs the life of the B battery by placing the valve in such a condition that the milliampere draw from the B batteries is lessened. Still, this is a subject worthy of a special article, which will appear in these pages at some future date.

**A NEW USE FOR RADIO:** How many of us realise the many uses of radio? Do you know that a number of people who have the "Home Cinema" in their family circle, make radio play a big part. They have a "Cinema Night" and anxious to unfold to their friends hundreds of feet of the doings of their offsprings, and kindred subjects, they start the entertainment promptly at 8 p.m. to the strains of the orchestra from the Haymarket, Crystal Palace, and sometimes Her Majesty's. Thus, to use a 2FC technical term, they superimpose radio music on this cinema exhibition.





The Emmco  
Transformer.



The Emmco  
Vernier Dial.



The Emmco  
Valve Socket.

# EMMCO

## RADIO COMPONENTS

*ensure easy reception*

**T**O-DAY the crowding of the air makes efficient component parts essential. Even though your set may be well wired and excellently laid out one weak part will spoil reception.

It goes without saying that you want the best set you can build or buy. With EMMCO parts easy efficient reception is ensured. They are the best means of obtaining that extra fine selectivity, for each unit has been carefully manufactured for Australian climatic conditions and rigidly tested before being distributed for sale.

### Emmco Transformer

Designed and manufactured to the highest degree of electrical and engineering efficiency, the Emmco transformer amplifies music and speech without any of the distortion so frequently met with in other types. It is guaranteed not to burn out. Ratios 2 to 1, 3 to 1, 5 to 1, 7 1/2 to 1. PRICE, 21/-.

### Emmco Vernier Dial

A feature of the Emmco vernier dial is the hair fine adjustment, a refinement which further assists in extremely fine tuning. Another valuable feature is the logging window, in which the call sign of the station being received may be written down, so that the adjustment for any station may be had instantly. PRICE, 9/6.

### Emmco Valve Socket

Made of moulded bakelite, the Emmco valve socket is adaptable for all standard valves, UX or UV type. Springs make positive contact and cannot become displaced by long usage. PRICE 4/6.

*Manufactured by*  
**Electricity Meter Manufacturing Co., Ltd.**  
*Sydney, N.S.W.*

# Loud Speakers of Merit

-- FOR EVERY PURSE --

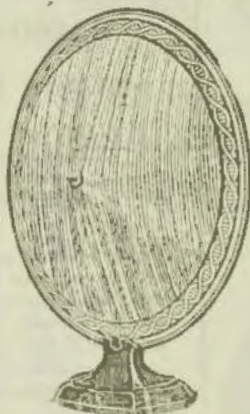
Instal a Loud Speaker on your Set, and let all the family hear the Programme. We have the finest assortment of Loud Speakers at prices ranging from 23/6 to £21/-/-.

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



Brown H1.

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



The "Farrand" Cone Speaker, 80/-



Amplion AR19.

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



Amplion AR114, £3 15/-.



"Manhattan" Speaker, 23/6



The "Crossley Musicone" Speaker, 97/6.

CASH OR EASY TERMS

Visit Our Stand No. 5—Radio and Electrical Exhibition, Sydney Town Hall,  
February 23rd to March 5th.

**WILES' WONDERFUL WIRELESS**  
— and Electrical Stores —

**Pitt and Goulburn Streets, Sydney.**

Branch: 23 Pitt St., Near Circular Quay.

Branch: 384 Pitt St., Opp. Anthony Horderns'

Mail Order Department: 60 Goulburn Street, Sydney.



# BROADCASTING PROGRAMMES

For the COMING WEEK

## Friday, March 4

### 2BL, SYDNEY

Broadcaster's Ltd.  
Wave Length, 353 Metres.

#### 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.—Hire on Health.
- 7.30 a.m.—Physical Training and Health Exercises.
- 7.42 a.m.—G.P.O. Clock and Chimes.
- 7.48 a.m.—Weather report.
- 7.48 a.m.—Sporting information.
- 7.50 a.m.—Broadcaster's special news service.
- 8 a.m.—G.P.O. Clock and Chimes (close down).

#### MORNING SESSION

- 10 a.m.—G.P.O. Clock and Chimes.
- 10.1 a.m.—Weather report.
- 10.3 a.m.—Musical programme from the Studio.
- 10.38 a.m.—News service from the "Daily Telegraph."
- 11.13 a.m.—Lambeth Market Report.
- 11.17 a.m.—Fish Market Report.
- 11.19 a.m.—Vegetable Market Report.
- 11.21 a.m.—Fruit Market Report.
- 11.23 a.m.—London Dairy, Poultry, Egg and Poultry Market Reports.
- 11.28 a.m.—London Metal Quotations.
- 11.29 a.m.—Ships in port by Wireless.
- 11.31 a.m.—Information re Interstate and overseas Mail.
- 11.43 a.m.—Shipping information arrivals and departures.
- 11.55 a.m.—WOMEN'S SESSION.

- Talk on "Tennis" by Miss Gwen Varley.
- Broadcaster's Women's Sports Authority.
- 11.58 a.m.—Special News by Mrs. Jordan.
- 11.58 a.m.—Mrs. Jordan Replies to Correspondents.
- 12.5 p.m.—Talk on "The Vegetable Clink" by Miss D. Doreen, P.A.
- 12.59 p.m.—G.P.O. Clock and Chimes.
- 12.59 p.m.—Sydney Stock Exchange Calls.
- 12.59 p.m.—Suez News service news service.
- 12.45 p.m.—Hire on Industrial Quarter, Streeting, Carl Cutting.
- 1.00 p.m.—G.P.O. Clock and Chimes.
- 1.03 p.m.—Weather report and forecast.
- 1.08 p.m.—Sydney Stock Exchange Calls.
- 1.09 p.m.—News from the "Sun."
- 1.10 p.m.—Musical programme from the Studio.
- 2 p.m.—G.P.O. Clock and Chimes, close down.

#### AFTERNOON SESSION

- Racing information broadcast by courtesy of the "Sun."
- 3 p.m.—G.P.O. Clock and Chimes.
  - 3.1 p.m.—Weather report and forecast.
  - 3.1 p.m.—Social Notes from the "Sun."
  - 3.10 p.m.—News from the "Sun."
  - 3.15 p.m.—Civil Service Stores, Trip, Streeting, Miss de Courcy Rogers.
  - 3.20 p.m.—G.P.O. Clock and Chimes.
  - 3.31 p.m.—News from the "Sun."

- 3.35 p.m.—Barric Exhibition Concert broadcast from the Sydney Town Hall.
- 4.30 p.m.—G.P.O. Clock and Chimes.
- 4.31 p.m.—Musical programme from the Studio.
- 4.36 a.m.—Producers' Distributing Society's Fruit and Vegetable Market Report.
- 4.40 a.m.—Shipping information when available.
- 4.57 p.m.—Dag's racing column on race days.
- 5.25 a.m.—News from the "Sun."
- 5 p.m.—G.P.O. Clock and Chimes, close down.

#### EARLY EVENING SESSION

- 5.40 p.m.—G.P.O. Clock and Chimes.
- 5.42 p.m.—Uncle George and the Kibbles.
- 6 p.m.—The People of Miss Monica Beatty entertain the Kiddies.
- 6.40 p.m.—Musical programme from the Studio.

#### SPECIAL COUNTRY SESSION

- 7 p.m.—G.P.O. Clock and Chimes.
- Australian Mercantile Land and Finance Co's Report.
- Weather report and forecast.
- Stock Exchange calls.
- Producers' Distributing Society's Vegetable and Fruit Market Report.
- 6.40 and 6.50 Poultry Report ("Sun").
- 6.55 p.m.—Fruit Market Report ("Sun").
- 7.15 p.m.—Country news from the "Sun."

#### NIGHT SESSION

- 8 p.m.—G.P.O. Clock and Chimes.
- Broadcaster's Special Chorus.
- 8 p.m.—Broadcaster's Train.
- 8.15 a.m.—Broadcast from the Barric Exhibition (Town Hall).
- Miss Hilda Walker (Soprano).
- 8.25 a.m.—Mr. Frank Ryan (Conductor).
- 8.30 p.m.—Miss Edna Lague (Contralto).
- 8.30 p.m.—Miss Mabel Fotheringham (Soprano).
- 8.41 a.m.—Mr. Francis Cook (Baritone).
- 8.50 p.m.—Mr. Roy Bebban (Soprano).
- 8.55 p.m.—Miss Hilda Walker.
- 9.1 p.m.—Mr. Frank Ryan.
- 9.11 p.m.—Mr. Francis Cook.
- 9.15 p.m.—From the Studio Broadcaster's Train.
- 9.25 a.m.—The Sporting Events of the "Daily Mail" talk on the prospects of Saturday's racing.
- 9.35 p.m.—Miss Edna Lague.
- 9.42 p.m.—Mr. Roy Bebban.
- 9.50 p.m.—Mr. Frank Ryan and Chimes.
- 10.1 p.m.—Broadcaster's Train.
- 10.8 p.m.—Miss Mabel Fotheringham.
- 10.15 p.m.—The Ambassadors Dance Band broadcast from the Ballroom of the Ambassadors, during the interval between direct news reports by courtesy of the "Sun" will be broadcast.
- 12 midnight—G.P.O. Clock and Chimes.
- National Anthem.

## 2KY, SYDNEY

Trades Hall Broadcasting Station,  
Wave Length, 230 Metres.

#### Friday,

#### LUNCHEON HOUR SESSION

- 12.15 p.m.—Tune in to the ticking of the clock.
- 12.18 p.m.—Popular Serenades. "Orpheus" orchestra.
- 12.25 p.m.—Musical interludes.
- 12.40 p.m.—News items.
- 1 p.m.—Vocal items.

- 1.15 p.m.—Variation Steel Guitar selections.
- 1.40 p.m.—Union news and meetings.
- 1.40 p.m.—London Record.
- 1.40 p.m.—Where to go tonight.
- 1.40 p.m.—Closing Announcements.

#### CHILDREN'S HOUR

- 6.40 p.m.—THE STORYMAN, Mr. Thompson.
- EVENING SESSION.
- 7 p.m.—Sporting feature. Turf Topics. Review of handicaps and their prospects for tomorrow. BH. A. F. POWELL.
- 7.10 p.m.—Tomorrow's sporting events are news items.
- 8 p.m.—Talk on motor cycle racing: MR. J. S. BOSKINS.
- 8.10 p.m.—Fascinating tales: MISS MONICA LAROCHE.
- 8.20 p.m.—Soprano solos: MISS IDITH WELSH.
- 8.30 a.m.—Maudie and Mr. David Edelstein.
- 8.40 p.m.—Musical Interlude, Gladys Ruth Davis (Orchestra), Billie Romaine Leader (for 1000 pedalists of GEO. IRVING).
- 9 p.m.—Soprano solos: MR. VAL BLACK.
- 9.10 p.m.—Sporting feature. Ring-side description of Main Contest from Mulligan's Lough-hard Stadium.
- 9.20 p.m.—Results of Rugs.
- 9.35 a.m.—Music from the Studio.
- 10 p.m.—Closing announcements.

## 2GB, SYDNEY

Theological Broadcasting Service,  
Wave Length, 316 Metres.

#### Friday

#### MORNING SESSION

- "Cherub" Hour, conducted by the Chorus Men.
- 9.30 a.m.—Cerec Talk, by Mr. J. K. Powell.
- 9.40 a.m.—Psychological Class.
- 10.3 a.m.—Bible.
- 10.10 a.m.—Bibliographical Talks for schools.
- 10.25 a.m.—Music.
- 10.30 a.m.—Class Session.

#### AFTERNOON SESSION

- 2.00 p.m.—Music and news notes.
- 2.45 p.m.—Indian women of today, Mrs. Ernest Wood.
- 3 p.m.—Music from Australia.
- 3.45 p.m.—How to cultivate the voice. Miss E. Harris.
- 3.50 p.m.—The Children's Session, conducted by the Chorus Men.
- 7.10 p.m.—Popular Song numbers, vocal piano and arrangements.
- 7.20 p.m.—Psychology feature.
- 7.30 p.m.—Announcements.
- 7.55 p.m.—Instrumental "50" Monica Beatty, Mariella Lang, Ada Brown.
- 8.15 p.m.—Address by Professor Ernest Wood.
- 8.25 p.m.—Song by Miss Hilda Boyer: 1. "Mabel" (Mariella O'Leary). 2. "Has across the punny days, shaded" (Beethers-Hughes).
- 8.35 p.m.—Cello solos by Mariella Lang.

- 1.
- 2.
- 3.50 p.m.—Industrial Quarterly: Dan Sully, Monica Beatty, Mariella Lang, Ada Brown.
- 4.30 p.m.—Announcements.
- 6 p.m.—Vocal solos by Dan Sully.
- 1.
- 2.

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664 Bourke St., MELBOURNE.

9.5 p.m.—Topical Talk.  
 9.31 p.m.—Songs by Miss Hilda Boyce:  
 1. "You cannot Marry me" (Gaston Lennox).  
 2. "A Fairy's Love Song" (Kennedy-Fraser).  
 9.41 p.m.—"You Said" by Monica Border.  
 9.49 p.m.—Instrumental Quartette: Dan Beaul.  
 Maurice Harder, Mariette Lang, Dan Beaul.  
 9.53 p.m.—

## 3LO, MELBOURNE

Broadcasting Co. of Aust.  
 Wave Length, 371 Metres.

Friday

### MIDDAY SESSION

THE STUDIO ORCHESTRA.  
 OSBORNE AND PERRYER.  
 DOROTHY NEIGHBOR, soprano.  
 HUGH HUXHAM'S SERENADERS.  
 WALTER SMITH, Cornet.  
 Accompanist..... AGNES FORTUNE  
 Announcer..... MAURICE DUDLEY.  
 "PET FOURRI"  
 12 Noon—Time Signal. British official wireless news from Rugby. Reuters and the Australian Press Association cables.  
 "Argus" and "Herald" news services.  
 12.15 p.m.—Stock Exchange information.  
 12.20 p.m.—OSBORNE AND PERRYER.  
 "Mirthmaking Moments."  
 12.30 p.m.—STUDIO ORCHESTRA.  
 Solo: "Indian Summer" (Daker).  
 12.42 p.m.—DOROTHY NEIGHBOR, soprano:  
 "One Fine Day" (Puccini).  
 "Mighty Jack & Bess" (Nevin).  
 12.50 p.m.—HUGH HUXHAM'S SERENADE QUARTET.  
 "Indian Moon" (Ayer).  
 EDITH HUXHAM, DOLLY BURDETT, RENN MILLAR, HUGH HUXHAM.  
 Soloists solo: "KAZEMIRI SONG" (Woodford-Finden).  
 DOLLY BURDETT.  
 STUDIO ORCHESTRA:  
 "Romance" (Goswami and Perryer).  
 Harmonium item: "Songs and their Singers."  
 EDITH HUXHAM, RENN MILLAR, and HUGH HUXHAM.  
 Solo solo: "Love's Old Sweet Song."  
 RENN MILLAR.  
 STUDIO ORCHESTRA:  
 "Skipt Dance" (Laks).  
 Operatic Quartet, "Greetings in the Spring" (Schubert).

1.15 p.m.—Meteorological information, weather forecasts for Victoria, Tasmania, South Australia and New South Wales.  
 1.25 p.m.—WALTER SMITH, Cornet:  
 "Cautin in the Air."  
 1.32 p.m.—STUDIO ORCHESTRA.  
 "Belleville Suite" (Laks).  
 1.42 p.m.—DOROTHY NEIGHBOR, soprano:  
 "Tosca Prayer" (Puccini).  
 "Sings My Mother Taught Me" (Dvorak).  
 1.50 p.m.—STUDIO ORCHESTRA.  
 "The Invention Mimes" (Cosma).  
 "LASSIE HISS MAREE" intermission.  
 2 p.m.—Class down.

AFTERNOON SESSION.  
 Speaker.....  
 "AU FAIT"  
 MRS. M. C. MAHOOD.  
 AIDICE MADIGAN, Piano-forte Recital.  
 SYDNEY BURCHALL, baritone.  
 JONES AND RAINIE.  
 ADELE INMAN, soprano.  
 THE STUDIO ORCHESTRA.  
 Accompanist..... AGNES FORTUNE  
 Announcer..... MAURICE DUDLEY  
 2 p.m.—STUDIO ORCHESTRA:  
 "Spanish Serenades" (Friml).  
 2.10 p.m.—"AU FAIT" of Moore, Buckley and Niles, Ltd., with eye & Fashion Talk.  
 2.20 p.m.—ALICE MADIGAN, Short Chömin Recital on the Piano-forte:  
 "Waltz in A Flat Op. 84 No. 1.  
 Three Studies, From Opus 25.  
 No. 4 in A Flat.  
 No. 2 in F Minor.  
 No. 3 in F Major.  
 "Polonaise in A Flat" (Military).

3.30 p.m.—SYDNEY BURCHALL, baritone:  
 "They Say" (Warsick Evans).  
 "Jane" (Louis Barker).  
 3.47 p.m.—STUDIO ORCHESTRA:  
 Selection, "Sometimes" (Friml).  
 3.57 p.m.—JONES AND RAINIE, The Welsh Barabith.  
 Duet, "You Jessed Your Way"  
 Human Fiasco, "Lassian Bag."  
 4.27 p.m.—STATION TRIO:  
 "Trio" (Behrens).  
 4.32 p.m.—ADELE INMAN, soprano:  
 "At Dawning" (Caldman).  
 "Gentle Home" (Wieland).  
 4.50 p.m.—MRS. M. CALLAWAY MAROODE:  
 "The Art of Sculpture."  
 4.55 p.m.—"Herald" news service. Stock Exchange information.  
 5 p.m.—Class down.

EVENING SESSION.  
 5.40 p.m.—CHILDREN'S HOUR.  
 Answers to letters and Birthdays Greetings.  
 5.55 p.m.—MR. W. E. HOPLEY, Mouth Organ Solo:  
 "Sweet Where Art Thou?"  
 "Alec Gertrude."  
 "Down by the Swanne River."  
 6.2 p.m.—BILLY BUNNY has a story for the little ones.  
 6.12 p.m.—BETTY BEVAN, soprano:  
 "To telephone to Santa Claus."  
 "Mr. Shadow Man."  
 6.18 p.m.—W. E. HOPLEY, Mouth Organ:  
 "Silver Threads Amongst the Gold."  
 "Marcelline."  
 6.25 p.m.—"BILLY BUNNY":  
 "The Queen Bee."  
 "The Black Princess."  
 6.35 p.m.—"Argus" and "Herald" news services. Weather synopsis. Shipping movement.  
 6.45 p.m.—Stock Exchange information.  
 6.52 p.m.—Fish Market reports by J. H. Barrett, Ltd.  
 6.55 p.m.—River reports.  
 7 p.m.—Market reports by the Victorian Fruiters' Co-operative Co., Ltd. (Hawmarket Sheep sales, Poultry, Grain, Hay, Straw, Juice, Dairy Produce, Potatoes and Oranges).  
 7.5 p.m.—Market reports of Fruit, by the Victorian Fruiters' Association (Wholesale) compiled by the "Fruit Watch" exclusive to 3 L.O. Market prices of Oranges and Lemons, by the Victorian Central Citrus Association Pty. Ltd.

NIGHT SESSION.  
 Squakers: Mr. G. W. RUSS.  
 Mr. H. K. LOVE.  
 "CABRIGAN"  
 "BISHOP OF MOMBASA"  
 THE STUDIO ORCHESTRA.  
 SYDNEY BURCHALL, baritone.  
 NGAIRE & TOINTON.  
 OSBORNE & PERRYER.  
 BETTY BEVAN, soprano.  
 JESSIE GAUNSON, violin.  
 JONES AND RAINIE, The Welsh Barabith.  
 JESSIE BATCHELOR, contralto.  
 COLLINGWOOD CITIZENS' BAND.  
 JOE ARONSON and HIS SYMPOFATING SYMPHONISTS.  
 Accompanist..... AGNES FORTUNE  
 Announcer..... ALFRED ANDREW  
 7.15 p.m.—Under the auspices of the Department of Agriculture, MR. G. W. RUSS, Demonstrator in Horticulture:  
 "Gardening for Winter Blooms."  
 7.30 p.m.—STUDIO ORCHESTRA:  
 "By the Lake of Geneva," Parts 1 and 2 (Benedict).  
 7.40 p.m.—SYDNEY BURCHALL, baritone:  
 "Soliloquy Ballad" (F. L. Cowen).  
 "The Greatest Charm" (Carriv Jambou-Round).  
 7.45 p.m.—NGAIRE AND TOINTON:  
 "Kismet."  
 "Bew. Bye Backland"  
 7.54 p.m.—H. K. LOVE:  
 Technical Talk.  
 8.4 p.m.—OSBORNE AND PERRYER:  
 Radio Hts.

9.15 p.m.—COLLINGWOOD CITIZENS' BAND:  
 Overture, "Caliph of Bagdad."  
 March, "The Victor's Return."  
 9.25 p.m.—BETTY BEVAN, soprano:  
 "Invitation" (Garry).  
 "Life's Lullaby" (Lans).  
 9.32 p.m.—BESSIE GAUNSON, violin:  
 "Rondino" (Krisler).  
 9.40 p.m.—HUXHAM'S SERENADERS:  
 Song, "Baby's Arms" (Zerney).  
 HUGH HUXHAM AND SERENADERS.  
 Bass solo, "The Two Grenadiers."  
 RENN MILLAR.  
 STUDIO ORCHESTRA:  
 "new song of the Volga Boatmen."  
 Song, "Calin."  
 EDITH HUXHAM AND SERENADERS.  
 Topical, "We Wonder Why."  
 THE SERENADER.  
 STUDIO ORCHESTRA:  
 "Romance" (Goswami).  
 Operatic Quartet, "Softly Awake My Heart" (from Samson and Delilah) (St. Saens).  
 THE SERENADER QUARTET.  
 9 p.m.—RT. REV. R. S. HEYWOOD, D.D., Bishop of East Africa:  
 "A Babes's Work in East Africa."  
 9.16 p.m.—JESSIE BATCHELOR, contralto:  
 "In a Monastery Garden" (Koleff).  
 "Irish Folk Song" (Fode).  
 9.22 p.m.—COLLINGWOOD CITIZENS' BAND:  
 Duet, "A Night in Venice" (Violinists, J. BLAWHILL, T. RUPERY).  
 "Patrol," "Barcelona."  
 9.32 p.m.—BETTY BEVAN, soprano:  
 "Sweetest of Deller" (Nevin).  
 "June Music" (Trent).  
 9.39 p.m.—STUDIO ORCHESTRA:  
 "Mimist" from the E Flat Symphony (Mussart).  
 9.49 p.m.—JONES AND RAINIE, The Welsh Barabith.  
 Song, "Farmer's Boy."  
 Duet, "Furieuse Lullax."  
 9.59 p.m.—"CABRIGAN," Mr. H. A. Woods, Spelling Editor of the "Argus" and "Kaitiaki," with music on Saturday's Blues.  
 10 p.m.—COLLINGWOOD CITIZENS' BAND:  
 Selection, "In Command."  
 10.21 p.m.—British Official Wireless news from Rugby. Announcements.  
 10.30 p.m.—NGAIRE AND TOINTON:  
 Xylophone, "Blaze and Stripes."  
 Song, "When You and I were Seventeen."  
 10.38 p.m.—STUDIO ORCHESTRA:  
 "Serenade" (Rohstetter).  
 10.48 p.m.—"Argus" news service. Weather forecast. Announcements.  
 11 p.m.—OUE GREAT THOUGHT:  
 "Do not speak of my happiness to a man less fortunate than yourself."  
 —Purcell.  
 11.1 p.m.—JOE ARONSON and HIS SYN-COPATING SYMPOFISTS:  
 "By the Sign of the Rose."  
 "Diddling."  
 "In a Little Spanish Town."  
 11.10 p.m.—JESSIE BATCHELOR, contralto:  
 "O Lovely Night" (London Roundly).  
 11.14 p.m.—JOE ARONSON and HIS SYN-COPATING SYMPOFISTS:  
 "The Bye, Bye-Bye."  
 "That Samson and Delilah Melody."  
 11.24 p.m.—JESSIE BATCHELOR, contralto:  
 "Sing! My Mother Taught Me" (Dvorak).  
 11.28 p.m.—JOE ARONSON and HIS SYN-COPATING SYMPOFISTS:  
 "Dreaming of Castle in the Air."  
 "To-Night, My Night with the Fairy."  
 "Let's Wish You Well."  
 "I Wish You Were Deakins of Me."  
 "Angry."  
 11.40 p.m.—GOD SAVE THE KING.



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## 4QG, BRISBANE

Queensland Radio Service.

Wave Length, 385 Metres.

Friday.

## MIDDAY SESSION.

12.30 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 Hotel Carlton; Lunch music from the Lounge, Hotel Carlton, played by Hotel Carlton Symphony Orchestra.  
1.45 p.m.—From the Observatory: Standard time signal.  
2 p.m.—Close down.

## AFTERNOON SESSION.

2.30 p.m.—From Hotel Carlton: Afternoon tea music played by Hotel Carlton Symphony Orchestra.  
4.15 p.m.—From the Studios: News service supplied by "The Telegraph."  
4.30 p.m.—Close down.

## EARLY EVENING SESSION.

8 p.m.—"Daily Standard" news; announcements.  
8.30 p.m.—The Children's dramatic Studio by "The Sandman."  
7 p.m.—Market reports, Loretto's, "The Elements of Animal Husbandry," No. 2, by Professor Goddard.  
7.30 p.m.—Stock reports; weather news; announcements.  
7.45 p.m.—Standard time signal.

## NIGHT SESSION.

10.45 p.m.—Lecture Session: "The Evolution of Industry, Capitalism, Methods of Phase," "Mass Production," by Mr. T. Clayton, Vice-President, W.A.C.

## STUDIO CONCERT.

9 p.m.—Overture, "Romantic" (Kolar Bela); the Studio Orchestra; baritone solo, "Oh Awake, Awake Beloved" (Gower), Mr. A. V. James; soprano solo, "The Flower Song from 'Faust'" (Gounod), Miss E. Thoms; Overture, "Les Femmes" (Waldteufel); the Studio Orchestra; monologue, "The Old Snake Queen" (Wilson), Miss Fay Tetter; solo, "The Gates of Youth" (Waldteufel); the Studio Orchestra; baritone solo, "In Summer Time on Heiden" (Poe), Mr. A. V. James; soprano solo, selected, Miss Fay Tetter; duet, "Honoraria," "La Zingana" (the Studio Orchestra); contralto solo, "Able Will Me" (Ludlow), Miss Corcoran Cox; monologue, "In the Land of the Clouds" (Hainberger), Mrs. Hilda Weidner.  
9 p.m.—Metropolitan weather forecast.  
Melodie, "Woodland Dreams" (Vargie); the Studio Orchestra; baritone solo, "I Thought Noble I Would, and I Did" (Melvyn), Mr. C. V. Woodland; Polka, Russian Dance (Glinka); the Studio Orchestra; tenor solo, "The Crystal Sea" (Juler), Mr. J. Land; group of mouth organ solos, the Sandman; foxtrot, "Dancing Fool" (Snyder); the Studio Orchestra; contralto solo, "Mi Ma Vera" (Hahn), Miss Clarice Cox; selection, "La Venetia" (Mendelssohn); the Studio Orchestra; group of mouth organ solos, the Sandman; tenor solo, "Awake" (Pelsler), Mr. J. Land; march, "The Ultimate" (Ahn); the Studio Orchestra.  
10 p.m.—"The Daily Mail" news. Announcements. Close down.

## 5CL, ADELAIDE

Central Broadcasters, Ltd.

Wave Length, 356 Metres.

Friday.

## MORNING SESSION.

11.30 a.m.—G.P.O. Chimes.  
11.31 a.m.—Autophone Reproducer recital.  
11.40 a.m.—"Advertiser" news service.  
11.45 a.m.—Sooner number.

12 noon—G.P.O. Chimes.  
12.05 p.m.—"Advertiser" news service.  
12.16 p.m.—Autophone Reproducer recital.  
12.20 p.m.—S. C. Ward and Co.'s Stock Exchange reports, official weather synopsis, and station announcements.  
12.30 p.m.—G.P.O. Chimes.  
12.31 p.m.—Studio Orchestra selection, "Oh, Lady, Lady"; solo, "In a Little Spanish Town" (fox trot, "Jubilant"); Oriental, "Japonette"; tenor solo "I Heard you Singing"; "A Top Love Song" (soprano duet); solo, "Adieu, Adieu," "Men of Steer"; 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 Studios: Autophone Reproducer and Sooner numbers.  
4 p.m.—G.P.O. Chimes.  
4.15 p.m.—Relay from the Armada 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.  
6.31 p.m.—Autophone Reproducer recital.  
6.36 p.m.—Bedtime stories.  
6.38 p.m.—G.P.O. Chimes.  
6.40 p.m.—Market reports by Messrs. B. C. Ward and Co., A. E. Hall and Co., A. W. Sandford and Co., Dalrymple and Co., H. A. Farnham, Co-operative Union.  
6.45 p.m.—"Advertiser" news by "Stanley"  
6.46 p.m.—G.P.O. Chimes.  
6.47 p.m.—Relay from Malcolm Reid's.  
6.48 p.m.—Song, Mr. Eric Wickham.  
6.49 p.m.—Relay from Messrs. Malcolm Reid and Co.; orchestral numbers.  
6.54 p.m.—Song, Miss Linnæe Ridgwood.  
6.55 p.m.—Relay from Messrs. Malcolm Reid and Co.; orchestral numbers.  
6.55 a.m.—Song, Mr. Walter Nothke.  
6.56 p.m.—Relay from Messrs. Malcolm Reid and Co.; orchestral numbers.  
6.57 p.m.—G.P.O. Chimes.  
6.58 p.m.—Weather report.  
6.59 p.m.—Selections, 5CL orchestra.  
7.00 p.m.—Song, Miss Thelma Mills.  
7.01 p.m.—Mouth organ, Mr. E. Ruge.  
7.02 p.m.—Song, Mr. E. Wickham.  
7.03 p.m.—Selections, 5CL orchestra.  
7.04 p.m.—Song, Miss Linnæe Ridgwood.  
7.05 p.m.—Mouth organ, Mr. E. Ruge.  
7.06 p.m.—Song, Miss Thelma Mills.  
7.07 p.m.—Song, Mr. Walter Nothke.  
7.08 p.m.—Selections, 5CL orchestra.  
7.09 p.m.—G.P.O. Chimes.  
7.10 p.m.—"Advertiser" news service, Automobile Association reports, Acropolis news.  
7.11 p.m.—Song, Mr. E. Wickham.  
7.12 p.m.—Selection, 5CL orchestra.  
7.13 p.m.—Song, Miss Linnæe Ridgwood.  
7.14 p.m.—Mouth organ, Mr. E. Ruge.  
7.15 p.m.—Song, Mr. Walter Nothke.  
7.16 p.m.—Selections, 5CL orchestra.  
7.17 p.m.—Song, Mr. E. Wickham.  
7.18 p.m.—Mouth organ, Mr. E. Ruge.  
7.19 p.m.—Station announcements.  
7.20 p.m.—G.P.O. Chimes, and close down.

## 6WF, PERTH

Western Farmer's.

Wave Length, 1260 Metres.

Friday.

12.30 p.m.—Tune in.  
12.35 p.m.—First local news bulletin.  
Market reports.  
Cable.  
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 QUINTETTÉ.  
1.3 p.m.—Close down.  
1.40 p.m.—Tune in.  
1.45 p.m.—Musical programme.  
4 p.m.—STUDIO TRIO.  
4.30 p.m.—Close down.  
7 p.m.—Tune in.

7.8 p.m.—Musical evening for the Kiddies, by Aunt Evelyn, and Uncle Henry, Leslie, Perry, Ray and Duffy.  
7.30 p.m.—Stock and share intelligence. Market reports.  
Cable.  
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.—POPULAR NIGHT.  
Musical programme.  
9 p.m.—Talk "Wise Making," by a representative of The Houghton Wine Co.  
10 p.m.—Second local news bulletin, supplied by courtesy of "The Daily News" Newspaper Co.  
10.30 p.m.—Close down.

## Saturday, March 5

## 2BL, SYDNEY

## EARLY MORNING SESSION.

7.15 a.m.—G.P.O. Clock and Chimes.  
7.16 a.m.—Musical programme from the Studio.  
7.10 a.m.—Physical training and health exercises.  
7.25 a.m.—Hints of 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.—Sporting information.  
7.50 a.m.—Broadcasters special news service.  
8 a.m.—G.P.O. Clock and Chimes; close down.

## MORNING SESSION.

Rarely information broadcast by courtesy of the "Sun."  
8 a.m.—G.P.O. Clock and Chimes.  
8.1 a.m.—Weather report and forecast by courtesy of the Government Meteorologist.  
8.15 a.m.—Sydney "Daily Telegraph" news service.  
11.20 a.m.—Women's Session conducted by Mrs. Jordan.  
11.30 a.m.—Mrs. Jordan replies to correspondence.  
11.40 a.m.—TALK on "Simple Cooking for Children" by Mrs. Jordan.  
12.8 p.m.—Musical programme from the Studio.  
12.12 p.m.—News from the "Sun" Bulletin.  
12.30 p.m.—G.P.O. Clock and Chimes.  
12.31 p.m.—London Market Quotations.  
12.35 p.m.—Hints in Mail by wireless.  
12.35 p.m.—Weather report and forecast.  
12.37 a.m.—Shipping information; arrivals and departures.  
12.40 p.m.—Information re Interstate and Overseas Mails.  
12.43 p.m.—News from the "Sun."  
1 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."  
1.40 p.m.—G.P.O. Clock and Chimes.  
1.41 p.m.—Musical programme from the Studio.  
1.45 p.m.—Talk on sporting and athletic fixtures for the day; Lacrosse, hockey, golf, bowls, tennis, baseball. During the afternoon sporting information will be broadcast by courtesy of the "Sun" Newspapers.  
3.45 p.m.—Radio Exhibition Concert broadcast from the Town Hall.  
4.30 p.m.—G.P.O. Clock and Chimes.  
4.31 p.m.—Racing Results.  
4.35 p.m.—News from "Sun."  
4.45 p.m.—Musical programme from the Studio.  
4.55 p.m.—Resumé of Night's Programme.  
5 p.m.—G.P.O. Clock and Chimes.  
5.1 p.m.—Resumé of Day's Racing.  
5.2 p.m.—Close down.

## EARLY EVENING SESSION.

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



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7.15 p.m.—Result of all sporting information, including racing, bowls, tennis, swimming, sailing, athletics, by courtesy of the "Sun."  
 7.30 p.m.—Country News from the Sun and results of all sporting and athletic fixtures.  
 7.40 p.m.—Talk on "Australian Literature," by Mr. A. G. Stephens.

**NIGHT SESSION.**

8 p.m.—G.P.O. Clock and chimes.  
 Broadcasters' Topical Chorus.  
 8.10 p.m.—Mr. John Morris (tenor).  
 8.15 p.m.—Miss Joy Vance (soprano).  
 8.21 p.m.—From the Radio Exhibition (Town Hall), Sid and Molly Owen and Jack Nethercole.

**2KY, SYDNEY**

**Saturday.**

**EVENING SESSION.**

7.15 p.m.—Sporting feature. Complete review of to-day's racing: MR. A. E. POWELL.  
 7.30 p.m.—News items and late sporting results.  
 8 p.m.—Pianoforte solos  
 MISS ANNA HAUGHBY.  
 8.10 p.m.—Sketch. MISS VOELGROW AND MR. BOB CORBEN.  
 8.15 p.m.—Musical Interlude. Glaciarium Dance Orchestra. Billy Rowan's leader. (By kind permission of Geo. Irving).  
 8.30 p.m.—Recital: MR. BOB CORBEN.  
 8.45 p.m.—LARKER EXHIBITION SERIES: MR. J. G. ELDRIDGE.  
 9 p.m.—Sporting feature. From the track of the Speedway Royal. Description and results of motor cycle racing.  
 9.15 p.m.—Humorous solo and solo:  
 MR. HERBERT BEAVER.  
 9.30 p.m.—From the Speedway Royal.  
 10 p.m.—Glaciarium Dance Orchestra. Billy Rowan's leader. (By kind permission of Geo. Irving).  
 10.20 p.m.—Closing announcements.

**3LO, MELBOURNE**

**Saturday.**

**THE STUDIO ORCHESTRA.**

OSBORNE and FERRYER.  
 DOROTHY ROXBURGH, solo.  
 STONEY BURCHALL, baritone.  
 NGAIRE & TOINTON, novelty duo.  
 JONES & RAINE, the Welsh barbers.  
 HUXHAM'S SERENADERS.  
 ADELE INMAN, soprano.  
 C. R. CHITGE, Mts.  
 Accompanied ..... AGNES FORTUNE  
 Announcer ..... MADRICE DUFFLEY.  
 7 p.m.—STUDIO ORCHESTRA.  
 Operetta, "Maiden Flute" (Mozart).  
 7.10 a.m.—OSBORNE & FERRYER.  
 "Whimsical Wavelets."  
 7.15 p.m.—DOROTHY ROXBURGH, solo.  
 "Indian Lament" (Dvořák-Křetovský).  
 (Contribution) (Singer).  
 7.25 a.m.—SIDNEY BURCHALL, baritone.  
 "Uncle Tom" (Richard Rogers).  
 "My Little Bambi" (William Diehlmann).  
 7.35 a.m.—STUDIO ORCHESTRA.  
 Suite "A Day in May" (Fauré).  
 7.44 a.m.—NGAIRE & TOINTON, novelty duo.  
 Xylophone, "Fetters"  
 "Charleston"  
 7.50 a.m.—JONES & RAINE, the Welsh Barbers.  
 Human Pianola, "Light Cavalry" (Singer).  
 7.55 a.m.—Time signal. Special official wireless news from Rugby. Reader's and Australian Press Association cables. "Argus" and "Herald" news services. Sporting intelligence.  
 8 p.m.—Stock Exchange information.  
 8.20 p.m.—STUDIO ORCHESTRA.  
 "The Nell Gwynn Dances" (German).  
 8.30 p.m.—LUXHAM SERENADERS.  
 Quartet, "Duolet, Duolet, Duo"  
 RUTH HUXHAM, DOLLY BURDETT.  
 BERN MILLAR, HUGH HUXHAM.  
 Contralto solo, "Where'er you walk" (Handel).

DOLLY BURDETT.  
 NGAIRE & TOINTON, "William Tell."  
 Novelty, "The Little Stream."  
 THE SERENADERS.  
 "Blossom of my heart."  
 BERN MILLAR.  
 NGAIRE & TOINTON:  
 "I want to be Happy" (Melley).  
 Operatic Quartet, "Carolina" (Lucie Wilcox).  
 THE SERENADERS QUARTET.  
 8.25 p.m.—STUDIO ORCHESTRA:  
 Soli, "La Traviata" (Verdi).  
 8.35 p.m.—ADELE INMAN, soprano:  
 "Boat Song" (Watte).  
 "Chanson de l'Étranger" (Godard).  
 Note.—Description at 1 p.m. of CARMICHAEL STAKES, Flemington Races, by "Musket" of the "Sporting Globe."  
 8.45 p.m.—Meteorological information. Weather reports from Victoria, Tasmania, South Australia, and New South Wales. River reports.  
 8.55 p.m.—STUDIO ORCHESTRA:  
 "La Bella Valenciana" (Krompholtz).  
 9 p.m.—Description of LEONARD STAKES, Flemington Races, by "Musket" of the "Sporting Globe."  
 9.10 p.m.—ADELE INMAN, soprano:  
 "Winterbloss and Lilacs" (Bosman).  
 "Love's Dreaming" (Bosman).  
 9.15 p.m.—STUDIO ORCHESTRA:  
 "Chopiniana" (Fink).  
 2 p.m.—Close down.  
 2.25 p.m.—Description of KINGA PLATE, Flemington Races, by "Musket" of the "Sporting Globe."

**AFTERNOON SESSION.**

2 p.m.—HAM JOHNSON'S MONTH CAROL BAND.  
 "That's why I love you."  
 "Always."  
 "Puddin', Madam! Home."  
 "Giddy."  
 2.15 p.m.—Description of NOTTICLIFFE HANDICAP, Flemington Races, by "Musket" of the "Sporting Globe."  
 2.30 p.m.—HAM JOHNSON'S MONTH CAROL BAND.  
 "Fiddle."  
 "Give your arms."  
 "Belmore's Bug."  
 "Someday's Lunch."  
 "Swain Child."  
 2.35 p.m.—Description of AUTUMN FEEFLE, Flemington Races, by "Musket" of the "Sporting Globe."  
 2.45 p.m.—HAM JOHNSON'S MONTH CAROL BAND.  
 "Morale."  
 "Where'd you get those eyes."  
 "Freedom."  
 "Hello, Aloha."  
 "See it make."  
 2.50 p.m.—Description of PARKWELL HANDICAP, Flemington Races, by "Musket" of the "Sporting Globe."  
 2.55 p.m.—HAM JOHNSON'S MONTH CAROL BAND.  
 "Kerley Baby."  
 "When the Red, Red Robin."  
 "The me to Your Arroyo Strings."  
 2.55 p.m.—Special news service. Stock Exchange information. Sporting results.  
 3 p.m.—Close down.

**EVENING SESSION.**

5.30 p.m.—Sporting results.  
 5.40 p.m.—"THE BIRTHDAY PARTY. Answers to letters and Birthday greetings.  
 5.55 p.m.—BETTY BEVAN, Soprano:  
 "A Little Aborigine."  
 "Trio."  
 6.2 p.m.—"LITTLE MISS KOOKABURRA" will tell the tiny ones how "Bess" (Dolly) and Dickie's pet doggie helped in the school concert.  
 6.30 p.m.—NGAIRE AND TOINTON have some "wailing" for you.  
 6.19 p.m.—BETTY BEVAN, Soprano:  
 "A Strayed Sonbeam."  
 "Little Brown Brother."

6.25 p.m.—"LITTLE MISS KOOKABURRA" will tell another installment of "Carol of the Bells" School. ("Tremaine" Trave).  
 6.35 p.m.—"Argus" and "Herald" news services. Weather information. Aerial Mail information by the Australian Aerial Services Ltd.  
 6.45 p.m.—Stock Exchange Information. Overseas shipping.  
 6.52 p.m.—Fash Market reports by J. R. Bennett Ltd.  
 6.55 p.m.—Market reports by the Victorian Producers' Co-operative Co. Ltd. Harvest. Market sheep sales. Poultry, Grain, Cattle, Hay, Straw, Jute, Dairy Produce, Potatoes and Onions. Market prices of Oranges and Lemons, by the Victorian Central Citrus Association Pty. Ltd. Fruit Market reports by the Victorian Fruit Growers' Association, compiled by "The Fruit World," exclusive to 2LO.

**NIGHT SESSION.**

(Speakers):  
 MR. H. WILSON, CHAPMAN,  
 MR. C. H. NUTTALL.  
 OPENING OF WIRELESS EXHIBITION BY HIS EXCELLENCY THE GOVERNOR GENERAL, LORD STONHAYEN.  
 BRUNSWICK CITY BAND.  
 NORMAN BRADSHAW, Tenor.  
 NGAIRE AND TOINTON.  
 GERTRUDE ARMSTRONG, The Girl from Glasgow.  
 OSBORNE AND FERRYER.  
 MOANA LEO DOD, Soprano.  
 VICTORIA WILSON, Soprano.  
 JONES AND RAINE, the Welsh Barbers.  
 JOE ARONSON AND HIS SYNCOPED SYMPHONISTS.  
 Accompanied ..... AGNES FORTUNE  
 Announcer ..... ALFRED ANDREW.  
 8.15 p.m.—MR. H. WEBB, Tasmanian Government Tourist Officer.  
 "The Rebuilding of Tasmania."  
 8.30 p.m.—MR. P. CHAPMAN.  
 "Golden Fishes."  
 8.45 p.m.—MR. L. H. SUTHERLAND.  
 "Braids—A Tale of Success."  
 (During the evening descriptions will be given of the Australian Championships, from the Melbourne grounds).  
 9 p.m.—Opening of WIRELESS EXHIBITION, by HIS EXCELLENCY the Governor General, LORD STONHAYEN.  
 9.20 p.m.—BRUNSWICK CITY BAND, Conductor, Mr. Hugh Nixon.  
 Selection, "Gems of Victorian Melodies (Roud)."  
 9.40 p.m.—NORMAN BRADSHAW, Tenor.  
 "Onway Awake" (Coleridge Taylor).  
 "The Guest" (Schubert Taylor).  
 9.45 p.m.—NGAIRE AND TOINTON.  
 Xylophone, "Mourning, Mourning and Night."  
 Bell and Xylo, "Wandering."  
 "Thanks for the Buggy Ride."  
 9.55 p.m.—GERTRUDE ARMSTRONG, The Girl from Glasgow.  
 "The Old Bushy Brides."  
 "Giddy, Giddy Me Be."  
 10 p.m.—BRUNSWICK CITY BAND.  
 Overtures, "The Blue Bird" (Greenwood).  
 10.15 p.m.—OSBORNE AND FERRYER.  
 "Gladys' Grand Gams."  
 10.30 p.m.—MOANA LEO DOD, Hawaiian Instrumentalist.  
 "After the Dawn."  
 "Beneath the Willow."  
 "Hawaiian Melody."  
 9.37 p.m.—JONES AND RAINE, the Welsh Barbers.  
 Song, "Happy Land."  
 "Blossom" (Russian Rag).  
 9.37 p.m.—BRUNSWICK CITY BAND.  
 Waltz, "Vanity Fair" (Greenwood).  
 Serenade, "A Night in June" (Broadwood).  
 9.47 p.m.—NORMAN BRADSHAW, Tenor.  
 "These Little Songs" (Maude Valerie White).  
 9.54 p.m.—JOE ARONSON AND HIS SYNCOPED SYMPHONISTS:  
 "Hi Diddle Diddle."  
 "The Merry Old England."  
 10 p.m.—VICTORIA WILSON, soprano.  
 "Solweig's Song."  
 "I Love You Truly" (Boyd).

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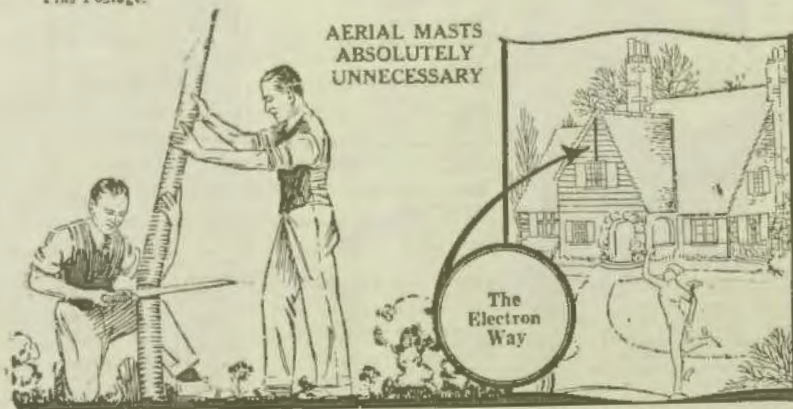
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- 10.7 p.m.—LEITHRIDE ARMSTRONG, The Girl from Glasgow.
- "Pipe Selections."
- 10.10 p.m.—British Official Wireless News.
- 10.15 p.m.—BRUNSWICK CITY BAND.
- 10.20 p.m.—FANTASIA, "Maid of Oranien" (Laurie).
- 10.30 p.m.—VICTORIA WILSON, Soprano.
- "Lunch."
- "Sing Sweet Bird" (Gair).
- 10.37 p.m.—MOANA LIO DUB.
- 10.40 p.m.—Sporting Results.
- Announcements.
- 11 p.m.—OUR GREAT THOUGHT.
- "Disinfectant is a subtle and it whips out water in it burning metal. It strengthens, tempers, strengthens but never destroys it."—Klara Tabor.
- 11.1 p.m.—JOE ARONSON AND HIS SYMPOHISTS.
- "Nepheleian Nights."
- "O' God the Highest Mountain."
- "Prelude."
- 11.16 p.m.—BOB MOLYNEUX, Baritone.
- Soloist.
- 11.17 p.m.—JOE ARONSON AND HIS SYMPOHISTS.
- "Kathina."
- "Till This Time the Rose on Me."
- "Prelude."
- 11.21 p.m.—BOB MOLYNEUX, Baritone.
- Popular Melodist.
- 11.28 p.m.—JOE ARONSON AND HIS SYMPOHISTS.
- "Then 'Till be Happy."
- "Twilight Waltz."
- "Klavin' Off Beam."
- "No Foulth."
- "Adieu."
- 11.40 p.m.—GOD SAVE THE KING.

### 4QG, BRISBANE

Saturday.

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

- The complete service will be relayed from the Seventh Day Adventist Church at Brisbane.
- 3.25 p.m.—Time in.
- 3.30 p.m.—From Seventh Day Adventist Church, Brisbane. "Gospel Lesson." "Gospel Lesson of My Soul" (Hills), "Invocation" hymn, "In My Name Written There" (Davis), Offering and organ solo selected, Mrs. R. H. Miller, sermon: "The Great Capital and Labor Problem," a solution offered, Pastor J. S. Stewart; hymn, "Courage, Brothers" (Ballman).
- 4.45 p.m.—Close down.
- EARLY EVENING SESSION.
- 6.25 p.m.—Time in.
- 6.30 p.m.—Children's Session. Bedtime stories by "Uncle Ben" and "Little Jim."
- 7.15 p.m.—Singing news.
- 7.30 p.m.—Singing news by "Little Jim."
- GALETT ORCHESTRA—NATIONAL SFXKAWAY.
- 7.45 p.m.—From the National Speedway. A description of the motor cycle races.
- 8 p.m.—From Gaiety Theatre, Teowong. Orchestra music.
- 8.15 p.m.—From the National Speedway. Motor cycle races.
- 8.30 p.m.—Felix Lorenz's Ballroom. Dance music.
- From the Studios. "The Monday Mail" news service. Weather news. Close down.

### 5CL, ADELAIDE

Saturday.

MORNING SESSION.

- 10.30 a.m.—G.P.O. Chimes.
- 10.35 a.m.—Studio Orchestra's recital, "Queen of the Nile" waltz, "Bygone melody" (for ten), "You Didn't Know How" "The Circumlocutionist," "Tillie's sentiment" selection, "Merry Entertainment" waltz, also, "Yule-Blasts," intermission, "Wedgewood Blue" suite, "Baby English medley."

- 11.35 a.m.—Station announcements.
- 12.30 p.m.—G.P.O. Chimes, and close down.
- AFTERNOON SESSION.
- 3 p.m.—Automatic Reproduction and Sonora recital from the Studio, interspersed with high-class and country sporting results.

EVENING SESSION.

- 6.30 p.m.—G.P.O. Chimes.
- 6.35 p.m.—Studio Orchestra's recital.
- 7.30 p.m.—Dance music.
- 7.40 p.m.—Market reports by Messrs. R. C. Ward and Co., A. W. Sandford and Co., A. E. Hall and Co., Duggally and Co., & A. Farmer's Co-operative Union.
- 7.45 p.m.—Sporting results.
- 8 p.m.—Dance music by SCL Orchestra and Dance Orchestra.
- 8.10 p.m.—Miss Ruby Wright's Concert Party.
- 8.15 p.m.—SCL Orchestra.
- 8.25 p.m.—Miss Ruby Wright's Concert Party.
- 8.35 p.m.—Dance music.
- 8.45 p.m.—Song, Miss Hilda Wheeler.
- 8.50 p.m.—G.P.O. Chimes.
- 9.1 p.m.—Extraordinary Sporting announcements.
- 9.15 p.m.—Dance numbers, SCL orchestra.
- 9.20 p.m.—Country party items.
- 9.25 p.m.—Dance numbers, SCL orchestra.
- 9.30 p.m.—Country party items.
- 9.35 p.m.—Dance numbers, SCL orchestra.
- 9.40 p.m.—G.P.O. Chimes.
- 9.45 p.m.—Song, Miss Hilda Wheeler.
- 9.50 p.m.—Dance numbers, SCL orchestra.
- 10 p.m.—Singing results.
- 10.15 p.m.—Dance and country party numbers.
- 11 p.m.—G.P.O. Chimes, and close down.

### 6WF, PERTH

Saturday.

- 10 o'clock—Time in.
- 11.15 p.m.—Studio programme, including character sketches by Miss Evelyn Willis, A.R.C.M.
- 12.15 p.m.—First local news bulletin.
- Market reports.
- 1 p.m.—Time signal from the Perth Observer.
- 1.05 p.m.—Weather notes, supplied by the Meteorological Bureau of Western Australia.
- 1.15 p.m.—Close down.
- 1.55 p.m.—Time in.
- 2 p.m.—Detailed description of race, relayed from the Ascot Racecourse, Belmont. Close down, hot race.
- 7 p.m.—Time in.
- 7.15 p.m.—Stories for the kiddies, by Uncle Jangle.
- 7.30 p.m.—Sports results supplied by courtesy of "The Mirror" Newspaper Co.
- 8.10 p.m.—Market reports.
- 8.15 p.m.—News supplied by courtesy of "The West Australian" Newspaper Co.
- 8.25 p.m.—Time signal from the Perth Observer.
- 8.4 p.m.—Weather notes, supplied by the Meteorological Bureau of Western Australia.
- 8.7 p.m.—Talks "Rocking Bells" by Mr. F. Lawson's Whittell.
- 8.15 p.m.—RELAYED PROGRAMME.
- General relayed from the Hills Edwards' Music Warehouse, Moray street, by courtesy of the management.
- 10 p.m.—Second local news bulletin, supplied by courtesy of "The Daily News" Newspaper Co.
- 10.40 p.m.—Close down.

### Sunday, March 6 2FC, SYDNEY

MORNING SESSION.

- 10.30 a.m.—Programme announcements.
- 11 a.m.—"Big Ben," FROM ST. ANDREW'S CATHEDRAL, SYDNEY. The Morning

service. As this is Humano Sanchez, Archbishop D'Arcy Irvine will give an address in connection with "Be Kind to Animals Week," which opens tomorrow.

12.15 p.m.—FROM THE STUDIO—News session.

12.30 p.m.—Close down.

AFTERNOON SESSION.

- 6 p.m.—"Big Ben," FROM THE LYCEUM HALL, FITZ STREET, SYDNEY. The "Gaiety Sunday Afternoon Concert," arranged by the Central Methodist Mission, Chairman, Rev. F. H. Rowland. The programme will be more than usually interesting, by virtue of the fact that most of the musical items will be given by resident Chinese musicians. The address will be delivered by Dr. Woo, a noted Chinese violinist.
- 6.30 p.m.—Items from the Studio.
- 6.45 p.m.—Close down.

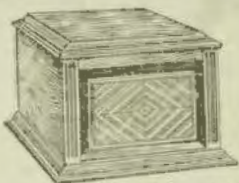
EVENING SESSION.

- 6 p.m.—"Big Ben" and programme announcements.
- 6.30 p.m.—Miss Lorna Kerzhon, soprano.
- 6.45 p.m.—Mrs. Constance R. Villa de Alford, a Mexican chante at present in Sydney, will give a musical historical dealing with the customs of Mexico. The story will be illustrated with songs sung in the Mexican language, and will include numbers not previously heard. The speaker will close with:
  - (a) "The Mosaic of Pro-Cortezian Days."
  - (b) "Quaint Customs of the Colonial Period."
  - (c) "The Revolution of modern Mexico."
 Musical items are as follows:
  - (a) "Los Mariachis" (The Early Morn' I sing in Spanish by Miss Annie Payne, mezzo).
  - (b) "Ojos de Juvenal," Wally, Violentia Orchestra.
  - (c) "Eyes of Youth" (A Mexican record, "El Chillo Lindo" (My Darling), Folk Song, Miss Anne Payne, mezzo).
  - (d) "Assume a je Ventana" ("Look out from your window"), Trio: Soprano, tenor and bass, A Mexican record.
  - (e) "En el Fondo del Mar" (At the bottom of the Sea), Miss Annie Payne, mezzo.
  - (f) "Pobrecito" ("Little Philosopher," sung by the famous tenor, The Salsas. A Mexican record).
- 6.50 p.m.—Items by Jimmy Hickey, junior, violin virtuoso.
- 7 p.m.—Miss Lorna Kerzhon, soprano.
- 7.15 p.m.—Items by James Hickey, junior.
- 7.15 p.m.—FROM ST. JAMES' CATHEDRAL, SYDNEY. The Evening Service, conducted by the Rev. P. A. Mickleth, M.A.
- 7.25 p.m.—Intermission.
- 7.30 p.m.—FROM THE BAND ROTUNDA, MARYLENE BEACH. A programme by the Marylelene Band, conducted by Mr. James Philpotts.
- 7.30 p.m.—FROM THE STUDIO. The first episode of Miss Ellen Frances White, contralto of the Gilbert and Sullivan Opera Company.
  - "Groom Trill" (Cadenza).
  - 7.34 p.m.—Mr. Lionel Lawson, violinist.
  - 7.36 p.m.—Mr. Lobban Hodgkin, baritone.
  - "Cape Horn Quail" (Solo).
  - 7.40 p.m.—Miss Ellen Frances White, contralto.
  - "If This were Blind" (Johnnie).
  - 7.47 p.m.—Mr. Lionel Lawson, violinist.
  - 7.50 p.m.—Mr. Lobban Hodgkin, baritone.
  - "A Wanderer's Song" (Solo).
  - 7.57 p.m.—Miss Ellen Frances White, contralto.
  - (a) "Four by the Clock" (Ballman).
  - (b) "Trees" (Ballman).
  - 10 p.m.—Mr. Lionel Lawson, violinist.
  - 10.2 p.m.—Mr. Lobban Hodgkin, baritone.
  - (a) "Far and High the Cross give Cry" (Korby).
  - (b) "The Song of the Vales, Ballman" (Korby).
  - 10.10 p.m.—National Anthem.
  - Close down.

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## 2GB, SYDNEY

### Sunday.

10.30 a.m.—Organ music from St. Alban's Liberal Catholic Church.  
 10.30 a.m.—Morning service from St. Alban's: Celebration of the Holy Eucharist. Sermon.  
 12 noon.—Close down.  
 6.45 p.m.—Music from Studio.  
 7.15 p.m.—Duet for two violins, with piano accompaniment.

(a) "Souvenir de Campanar" (Godard).  
 (b) "Tristesse" (Godard).  
 (c) "Abandon" (Godard).  
 At the piano, Miss Mabel Gibson.

STUDIO ANNOUNCEMENTS.  
 Piano Solo, "Allegro," from Sonata Op. 14, No. 2, by Beethoven.

Artist: Gweneith Inghamolls. Songs:  
 (a) "O, Lonely Night" (Landon Ronald).  
 (Violin Obligato, Monica Harder).  
 (b) "Sappho Ode" (Brahms).  
 Artist: Beatrice Hendrick.

STUDIO: Popular Song Number.  
 Violin solo by Charles Boulton.  
 "Meditation" from the Opera "Thais" (Massenet).

Piano solo by Gweneith Inghamolls:  
 1. "Prelude" (Euleric).  
 2. "Baccarelle" (Falmignon).  
 3. "May Night."

Song: "A Summer Night" (Goring Thomas).  
 Artist: Beatrice Hendrick.  
 Duet for two violins, with piano accompaniment.

1. "Serenade" (Godard).  
 2. "Minuet" (Godard).  
 3. "Serenade" (Godard).

Monica Harder and Charles Boulton.  
 At the piano, Mabel Gibson.  
 Accompanist, Mrs. H. Friedman.

8.15 p.m.—Talk.  
 8.25 p.m.—Duet for two violins, with piano accompaniment. Monica Harder, Charles Boulton.

8.45 p.m.—Violin solo by Monica Harder.  
 8.40 p.m.—Talk.  
 8.50 p.m.—Music from Studio.  
 10 p.m.—Close down.

## 3LO, MELBOURNE

### Sunday.

#### MORNING SERVICE.

10.30 a.m.—Transmission of the Bells from St. Paul's Cathedral.  
 10.40 a.m.—Express train information. British official wireless news. Announcements.

11 a.m.—SERVICE FROM THE AUSTRALIAN CHURCH, Russell Street, Melbourne.  
 Preacher: DR. CHARLES STRONG.

Organist and Choirmaster, Charles Turckwell.  
 Choir Principals, Misses K. Conly, G. Hutton, Messrs. G. Mauer, H. Martin.  
 Organ Prelude—Extempore.  
 Hymn 175 (Church Worship). "The Purple Morning."

Prayer, Supplement Page 106.  
 Chant (Church Worship), Page 221, No. 35.  
 "A Song of Charity."

Lesson from Scripture.  
 Anthem (Supplement Page 77, No. 16).  
 "Give Peace in Our Hearts."

Lesson from Scripture.  
 Collect. Response, "Amen so let it be."  
 Supplementary Lesson from Modern Author.  
 H. m. n. (Supplement) 5, "The Church's Banner."

ADDRESS: "The Call of Humanity to Churches and Religious Leaders Today."  
 Hymn (Church Worship) 124, "The Church of God."

Announcements and Offertory.  
 Organ Solo, "Bereave" (Gullmann).  
 Anthem, "Watchman, What of the Night" (Thompson).

Benediction and Response, "God's Blessing rest on you."  
 Concluding Voluntary, "Festa C Major" (Bach).

12.15 p.m.—Close down.

### 3 p.m.—PLASANT SUNDAY AFTERNOON

SERVICE, Chairman, REV. J. H. CAIN.  
 Orchestral Selection, Mr. G. M. Williams, Conductor.

Hymn, "Pleasant are Thy Courts above."  
 Prayer, G. Irving Benson.  
 Hymn, "God Bless Our Native Land."

Solo, Mr. Edgar E. Fortescue, "Behold I Stand at the Door" (Jude).  
 Orchestral Selection.

Solo, Mr. Edgar E. Fortescue, "Blow, Blow Thou Winter Wind" (Barnwell).  
 Notices, Offering and Orchestral Selection.

At the piano, Miss Mabel Gibson.  
 National Anthem.  
 Benediction.

4.30 p.m.—Close down.  
 4.40 p.m.—CHILDREN'S HOUR:  
 Hymns by "The Pied Piper."  
 Hymn, "All the World is Glad."  
 "Jesus, who called the little ones to Thee."

5.00 p.m.—"BILLY BUNNY" will continue "The Boy of the Christmas Carol."  
 6 p.m.—Musical programme by "The Pied Piper."  
 Chorus, "Summertime"  
 Solo, "Giving Love, Sweet Charity."  
 Chorus, "Little Girls Redbreeds."  
 "Three Girls"  
 Piano, "Minuetto" (Beethoven).  
 Quartet, "Go and Lament the World,"  
 Solo and Chorus, "Calling Leaves."  
 Good-night Song.

6.25 p.m.—Answers to letters and birthday greetings.  
 6.35 p.m.—"BILLY BUNNY" will continue "The Boy of the Christmas Carol."  
 6.45 p.m.—Close down.

ANNOUNCEMENTS.—MAURICE DUDLEY.  
 Accompanist.—AGNES FORTUNE.  
 6.55 p.m.—BELLS transmitted from St. Paul's Cathedral.

7 p.m.—SERVICE FROM WESLEY CHURCH, conducted by REV. V. IRVING BENSON.  
 Hymn, "The Lord is in His Holy Temple."  
 Prayer, "The Outer Gate."  
 Hymn, "God is here, in an adobe."  
 Prayer, "The Inner Court."  
 Anthem.  
 Lesson, Isaiah, Ch. 40.  
 Invitations and Offering.  
 Anthem.  
 Hymn, "Light of the World."  
 SERMON: "OUR RESOURCES IN GOD."  
 Hymn, "Saviour, again to Thy Dear Name."  
 Benediction.  
 Town-hall Amen.

8.10 p.m.—FROM THE STUDIO.  
 ST. AUGUSTINE'S ORPHANAGE BAND.  
 Selection, "Rose Marie" (Friedl).  
 8.10 p.m.—VICTORIA WILSON, Soprano:  
 "Rose" (Schubert).  
 "Rose in the Bud" (Forster).  
 8.17 p.m.—ST. AUGUSTINE'S ORPHANAGE BAND:  
 "Stars" (Mulliner) (Schubert).  
 "Intermezzo Siciliano" (Vindolen).

4QG, BRISBANE

Sunday.

MORNING SERVICE.  
 The complete Morning Service will be relayed from St. Barnabas Church of England, Waterworks Road.  
 10.45 a.m.—Time in.

11 a.m.—Holy Eucharist (according to the Book of Common Prayer) Introit, hymn 164, "Father of Heaven"; Epistle, I. Corin. xiv. Chapter 9, to verse 10. Gradual, hymn 222, "There is a Green Hill"; Holy Gospel, St. Matthew, Chapter 4, to verse 11; sermon by the Archbishop of Brisbane, Dr. Sharp, Offertory, hymn 92, "Korymbos and Ferry Nigh"; Communion: Hymn 222, "And Now, O Father"; Offertory, hymn 222, "O For a Thousand Tongues." The music of the Eucharist will be Merbecke, sung by the congregation without a choir.  
 Close down.

4WF, PERTH

Sunday.

MORNING SERVICE.  
 The complete Morning Service will be relayed from St. Barnabas Church of England, Waterworks Road.  
 10.45 a.m.—Time in.

11 a.m.—Holy Eucharist (according to the Book of Common Prayer) Introit, hymn 164, "Father of Heaven"; Epistle, I. Corin. xiv. Chapter 9, to verse 10. Gradual, hymn 222, "There is a Green Hill"; Holy Gospel, St. Matthew, Chapter 4, to verse 11; sermon by the Archbishop of Brisbane, Dr. Sharp, Offertory, hymn 92, "Korymbos and Ferry Nigh"; Communion: Hymn 222, "And Now, O Father"; Offertory, hymn 222, "O For a Thousand Tongues." The music of the Eucharist will be Merbecke, sung by the congregation without a choir.  
 Close down.

4WF, PERTH

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 The complete Morning Service will be relayed from St. Barnabas Church of England, Waterworks Road.  
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11 a.m.—Holy Eucharist (according to the Book of Common Prayer) Introit, hymn 164, "Father of Heaven"; Epistle, I. Corin. xiv. Chapter 9, to verse 10. Gradual, hymn 222, "There is a Green Hill"; Holy Gospel, St. Matthew, Chapter 4, to verse 11; sermon by the Archbishop of Brisbane, Dr. Sharp, Offertory, hymn 92, "Korymbos and Ferry Nigh"; Communion: Hymn 222, "And Now, O Father"; Offertory, hymn 222, "O For a Thousand Tongues." The music of the Eucharist will be Merbecke, sung by the congregation without a choir.  
 Close down.

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 Close down.

### AFTERNOON SERVICE.

3 p.m.—PLASANT SUNDAY AFTERNOON SERVICE, Chairman, REV. J. H. CAIN.  
 Orchestral Selection, Mr. G. M. Williams, Conductor.

Hymn, "Pleasant are Thy Courts above."  
 Prayer, G. Irving Benson.  
 Hymn, "God Bless Our Native Land."

Solo, Mr. Edgar E. Fortescue, "Behold I Stand at the Door" (Jude).  
 Orchestral Selection.

Solo, Mr. Edgar E. Fortescue, "Blow, Blow Thou Winter Wind" (Barnwell).  
 Notices, Offering and Orchestral Selection.

At the piano, Miss Mabel Gibson.  
 National Anthem.  
 Benediction.

4.30 p.m.—Close down.  
 4.40 p.m.—CHILDREN'S HOUR:  
 Hymns by "The Pied Piper."  
 Hymn, "All the World is Glad."  
 "Jesus, who called the little ones to Thee."

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 6 p.m.—Musical programme by "The Pied Piper."  
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 Solo, "Giving Love, Sweet Charity."  
 Chorus, "Little Girls Redbreeds."  
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 Piano, "Minuetto" (Beethoven).  
 Quartet, "Go and Lament the World,"  
 Solo and Chorus, "Calling Leaves."  
 Good-night Song.

6.25 p.m.—Answers to letters and birthday greetings.  
 6.35 p.m.—"BILLY BUNNY" will continue "The Boy of the Christmas Carol."  
 6.45 p.m.—Close down.

ANNOUNCEMENTS.—MAURICE DUDLEY.  
 Accompanist.—AGNES FORTUNE.  
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7 p.m.—SERVICE FROM WESLEY CHURCH, conducted by REV. V. IRVING BENSON.  
 Hymn, "The Lord is in His Holy Temple."  
 Prayer, "The Outer Gate."  
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 Lesson, Isaiah, Ch. 40.  
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 SERMON: "OUR RESOURCES IN GOD."  
 Hymn, "Saviour, again to Thy Dear Name."  
 Benediction.  
 Town-hall Amen.

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 "Stars" (Mulliner) (Schubert).  
 "Intermezzo Siciliano" (Vindolen).

4WF, PERTH

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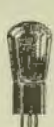
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 Close down.

4WF, PERTH



## PHILIPS Famous MINIWATT Valve Series

Insist on PHILIPS  
Then choose the valve  
for the job.

### ONE VOLT

A109.—H.F. Det. and

1st L.F., .06 amp.

B105.—Audio Amplifier, .15 amp.

### THREE VOLT

A310.—H.F. Det. and

1st L.F., .06 amp.

A306.—Det. and 1st

L.F., .06 amp.

### FOUR VOLT

A409.—Det. and 1st

L.F., .06 amp.

A410.—H.F. Amplifier,

.06 amp.

A428.—L.F. Resis. Ca-

capacity Amplifier, .06

amp.

B408.—Audio Amplifier,

.1 amp.

B403.—Super Power

Valve, .15 amp.

### SIX VOLT

A609.—H.F. Det. and

1st L.F., .06 amp.

B605.—Audio Amplifier,

.1 amp.

## PHILIPS NEW NATURAL-TONE LOUD SPEAKER

Built on a new principle to give a depth and clarity of tone to the reproduction of broadcast reception, comparable in every detail to the original transmission. It is therefore capable of doing full justice to any radical improvements in receiving or transmitting apparatus for many years to come.

The Philips Natural-tone Loudspeaker represents a new departure in beauty of line and colour. It is tested, sealed, guaranteed—and needs no adjustment. Hear it once—then believe. It makes good talk better.



## The Popular PHILIPS Power Socket Appliances

offer a new economy in Radio maintenance, enabling the necessary operating current for Receiving Sets, to be drawn direct from the A.C. Electric Light Supply.

H.T. SUPPLY UNIT  
(B Battery Eliminator)  
Gives a smooth, unflinching "B" current supply at trifling cost. Draws from 5 to 10 watts only. Needs no attention. There is no A.C. hum. Lasts a lifetime.

FULL-WAVE  
BATTERY CHARGERS  
In Two Types  
No. 450—Charges up to 6 volts at 1.5 amps.  
No. 366—Charges up to 6 volts at 3 or 6 amps; 12 volts at 3 amps.  
Fool-proof, silent, simple to connect.

From all  
Dealers

# PHILIPS

## LAMPS AND RADIO

Ask for  
Pamphlets



# Monday, March 7

## 2FC, SYDNEY

### EARLY MORNING SESSION.

- 7 a.m.—Musical and announcements.
- 7.10 a.m.—Studio music.
- 7.10 a.m.—Official weather forecast, rainfall, temperature, astronomical memoranda, shipping intelligence, mail services, commercial news.
- 7.25 a.m.—Investment market, mining share market, metal quotations.
- 7.30 a.m.—Wool, milk, breadstuffs markets.
- 7.40 a.m.—International wireless markets.
- 7.45 a.m.—"Sydney Morning Herald" news service.
- 8 a.m.—"Big Ben" Studio music.
- 8.15 a.m.—Close down.

### MORNING SESSION.

- 8.30 a.m.—Marching music for school children.
- 8.40 a.m.—Some popular records.
- 9 a.m.—"Big Ben" and announcements.
- 9.15 a.m.—Late "Sydney Morning Herald" news service.
- 9.15 a.m.—Studio music.
- 9.30 a.m.—Late minute sporting information by the 2FC Racing Commissioner.
- 9.45 a.m.—A serial story.
- 10 a.m.—"Big Ben" Australian Press Association and Herald's Club Services.
- 10.15 a.m.—Studio music.
- 10.15 a.m.—A reading.
- 10.30 a.m.—Marching music for school children.
- 11.15 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.
- 12.40 p.m.—Ruraly wireless news.
- 1.15 a.m.—Miss Alice Purroy, soprano.
- 1.30 p.m.—"Big Ben" Weather intelligence.
- 1.45 p.m.—"Evening News" midday news service. Producers' Distributing Society's report.
- 1.50 a.m.—Studio music.
- 2 a.m.—Stock Exchange, second call.
- 2.10 p.m.—Marching music for school children.
- 2.30 p.m.—Miss Alice Purroy, soprano.
- 2.45 p.m.—Studio music.
- 3 p.m.—"Big Ben" Close down.

### AFTERNOON SESSION.

- 3.30 p.m.—Musical items from the Studio.
- 4 p.m.—FROM "FARMERS' EXHIBITION HALL": The Opening Ceremony in connection with "The Kind to Animals Week." During the afternoon the following article will be heard from the Oak Hall:—
- 3.40 p.m.—Miss Jeanne Simpson, soprano.
- 4 p.m.—Miss Violet Humphreys, contralto.
- 4.10 p.m.—Sometime in My Dreaming (D'Hardelot).
- 4.20 p.m.—Miss Jeanne Simpson, soprano.
- 4.40 p.m.—Miss Marie Humphreys, contralto: "Some Quiet Day" (Hopp).
- 4.45 p.m.—Stock Exchange third call.
- 4.45 p.m.—Close down.

### EARLY EVENING SESSION.

- 5.15 p.m.—The Chimes of 2FC.
- 5.30 a.m.—The "Hello Man" talks to the children.
- 6.00 p.m.—"Imbu" will entertain.
- 6.40 p.m.—Dinner music.
- 7 p.m.—"Big Ben." Late sporting news.
- 7.10 p.m.—Daily's Market reports: wool, wheat and stock.
- 7.15 p.m.—Fruit and vegetable markets.
- 7.30 p.m.—Weather and shipping intelligence.
- Stock Exchange.
- 7.35 p.m.—Late "Evening News" news service.

### NIGHT SESSION.

- 7.45 p.m.—Programme announcements.
- 7.55 p.m.—A talk on photography by Mr. K. E. Van de Velde, dealing with "Modern Camera." Miss Jeanne Simpson, soprano.
- 8 p.m.—"Big Ben." FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY. Items by the Operatic Orchestra of 30 members, conducted by Mr. Stanley Pickett.

- 8.15 p.m.—FROM THE STUDIO: Mr. Harold Tullman, baritone: "Fast Evergreen" (Bauderson).
- 8.15 p.m.—Mr. W. G. Ansell, President of the R.S.P.C.A. A few words about "Humana World."
- 8.25 p.m.—FROM THE CLUB ROOMS, 315 HUNTER STREET, SYDNEY. Items by the Sydney Philo Club, conducted by Mr. A. W. Arton.
- (a) Ensemble of 24 Girls—Andante and Moderato from Quartette (Opus 211) (Rehler).
- (b) "Boze Fandou's" (Opus 147) ("Two Intonations").

- Dr. J. Louis Robertson and Mr. H. Rainbow.
- (c) "All—Sweet Bird that sang the note 'Tolly' (Händel). (Euse Obligato by Mr. Fred. W. Swain). Miss Mabel Batcher, soprano.
- 8.32 p.m.—FROM THE STUDIO. A talk by the Rev. F. H. Howard: "The Art of Public Speaking—what to leave out."
- 8.35 p.m.—Mr. Harold Tullman, baritone: (a) "Will There be Love" (Muller). (b) "My Heart is mine for Soudade" (Harbach).

- 8.45 p.m.—"Imbu" (Corporal Phillips), will compete in a laughing competition with a cast Joe Kinkorura, in the Studio.
- 9.05 p.m.—Mr. Ella Price, Elocutionist, in a new Monologue.

### THE HAYMARKET THEATRE, GEORGE STREET.

- 9.30 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET. Items.
- 9.40 p.m.—FROM THE STUDIO: Mr. Harold Tullman, baritone: "The Glorious Tullman" (Edwards).
- 9.44 a.m.—FROM THE SYDNEY FLUTE CLUB ROOMS, HUNTER STREET, SYDNEY.

- (a) Ensemble of 24 Girls—"Finales from 'Genetique'" (Opus 12) (Rehler). Sydney Philo Club, conducted by Mr. A. W. Arton.
- (b) "Pensez Englobe" (Pensini).
- (c) Mr. Fred. W. Swain.
- (d) "Duo—Duetto" (Opus 24) (Thompson). Messrs. B. Callahan and E. W. Garalde.
- (e) "Myra's Song—A Song of the 'Fido'" (Galloway). Miss Mabel Batcher.
- (f) "The First Movement, Opus 44" (Kubler). Messrs. F. W. Swain, G. Wane and E. W. Garalde.

### FROM THE STUDIO—Mr. Ella Price.

- (a) "How the Young Man Rained."
- (b) "The Herb of the Field."

### THE HAYMARKET THEATRE, GEORGE STREET.

- 10.15 p.m.—FROM THE STUDIO: Mr. Victor Gouret, Musical Comedy reviewer.
- 10.40 p.m.—The New Wentworth Symphonic Dance Orchestra, conducted by Mr. Sydney Stubbins.
- 10.45 p.m.—Mr. Victor Gouret, Comedias.
- 10.50 p.m.—From the Studio.
- 10.55 p.m.—Celebrity records.
- 11 p.m.—"Big Ben" and announcements.
- 11.15 p.m.—FROM THE WENTWORTH GOLF SYDNEY: The Wentworth Symphonic Dance Orchestra, conducted by Mr. Sydney Stubbins.
- 12 midnight—"Big Ben." National Anthem.
- Close down.

## 2BL, SYDNEY

### Monday.

- 7.15 a.m.—EARLY MORNING SESSION.
- 7.30 a.m.—G.P.O. Clock and Chimes.
- 7.45 a.m.—Musical programme from the Studio.
- 7.55 a.m.—Physical training and health exercises.
- 8 a.m.—Hints on health.
- 8.10 a.m.—Physical training and health exercises.
- 8.20 a.m.—G.P.O. Clock and Chimes.
- 8.35 a.m.—Weather report.
- 8.45 a.m.—Sporting information.
- 8.50 a.m.—Broadcasters' special news service.
- 9 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.
- 10.1 a.m.—Musical programme from the Studio.
- 10.20 a.m.—News service from the "Daily Telegraph."
- 10.30 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.—Rabbit market report.
- 11.27 a.m.—Fish market report.
- 11.28 a.m.—Vegetable market report.
- 11.29 a.m.—Fruit Market report.
- 11.30 a.m.—London wire, farm, egg, and poultry market report.
- 11.35 a.m.—Flour in call by wireless.
- 11.40 a.m.—Information re theatre and cinema trade.

- 12.1 a.m.—Shipping information—arrivals and departures.
- 12.15 a.m.—WOMEN'S SESSION. Talk by "Goff" by Mrs. G. Varley, President Women's quota authority.
- 12.25 a.m.—Social notes by Mrs. Jordan.
- 12.35 a.m.—Mrs. Jordan replies to questions.

- 12.45 a.m.—Talk by Mrs. Jordan on "Mendacious Dishes."
- 12.50 a.m.—G.P.O. Clock and Chimes.
- 12.55 p.m.—Sydney Stock Exchange calls.
- 12.55 p.m.—"Sun" Newspapers news service.
- 12.55 p.m.—"Hilber's Instrumental Quartet." (Hilber). (Carp) Casting.
- 1.00 p.m.—G.P.O. Clock and Chimes.
- 1.01 a.m.—Weather report and forecast.
- 1.05 p.m.—Sydney Stock Exchange calls.
- 1.05 p.m.—News from the "Sun."
- 1.05 p.m.—Musical programme from the Studio.
- 2 p.m.—G.P.O. Clock and Chimes.
- Close down.

### AFTERNOON SESSION.

- Reading information broadcast by courtesy of the "Sun."
- 2 p.m.—G.P.O. Clock and Chimes.
- 2.1 p.m.—Weather report.
- 2.2 p.m.—Concert broadcast from the Studio by the National Council of Women.
- 2.30 p.m.—G.P.O. Clock and Chimes.
- 2.40 p.m.—News from the "Sun."
- 2.45 p.m.—Musical programme from the Studio.

- 3 p.m.—G.P.O. Clock and Chimes.
- 4.1 p.m.—News from the "Sun."
- 4.5 p.m.—Musical programme from the Studio.
- 4.15 p.m.—Serial Story.
- 4.30 p.m.—G.P.O. Clock and Chimes.
- 4.45 p.m.—News from the "Sun."
- 4.52 p.m.—Musical programme from the Studio.

- 4.55 p.m.—Producers' Distributing Society's vegetable and fruit market report.
- 4.55 p.m.—Shipping information, when available.
- 4.58 p.m.—Day's racing summary on race tape.
- 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 Kettle.
- 6.40 p.m.—Musical programme from the Studio.

### SPECIAL COUNTRY SESSION.

- 9 p.m.—G.P.O. Clock and Chimes.
- Australian Mercantile, Land, and Finance Co's report.
- Weather report.
- Producers' Distributing Society's fruit and vegetable market report.
- Stock Exchange report.
- 200 a.m.—Broadcasters' special news service.
- 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."

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**NIGHT SESSION.**

- 8 p.m.—G.P.O. Clock and Chimes. Headmasters' Topical Chorus.
- 8.25 p.m.—Newtown Band broadcast from the Industrial Hall, Newtown.
- 8.33 p.m.—Madame Phyllis Howe, soprano.
- 8.40 p.m.—Mr. Bert Warner, comedian.
- 8.50 p.m.—Messrs. Marshall, tenor, and Graham, bass.
- 8.55 p.m.—Miss Madge Heinrich, contralto.
- 9 p.m.—G.P.O. Clock and Chimes.
- Resume of following day's programme.
- Weather report and forecast, by courtesy of Mr. C. J. Mares, Government Meteorologist.
- 9.5 p.m.—Mr. Dud Osborne, descriptive vocalist.
- 9.13 p.m.—Mr. R. M. Baxter, tenor.
- 9.20 p.m.—Newtown Band.
- 9.26 p.m.—Madame Phyllis Howe.
- 9.37 p.m.—Osborne and Warner.
- 10 p.m.—G.P.O. Clock and Chimes.
- 10.1 p.m.—Miss Madge Heinrich.
- 10.2 p.m.—Mr. R. M. Baxter.
- 10.18 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.**

- 12.16 p.m.—Tune in to the ticking of the clock.
- 12.18 p.m.—Popular list of hits. "Orpheus" 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.—Unions' news and meetings.
- 1.30 p.m.—Laborer's recital.
- 1.40 p.m.—Where to get business.
- 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.—Sporting talk, MR. A. J. BOYD (Sporting Editor Sydney "Sportman" and "Truth").
- 7.50 p.m.—"HANDS OFF CHINA" CAMPAIGN, MR. J. S. GARDEN.
- 8 p.m.—Pianoforte solos: MISS ESMÉ DIKHL, L.L.C.M.
- 8.10 p.m.—Violin solo: MR. S. BIRRELL.
- 8.18 p.m.—Popular numbers: MR. HAI, PRINCE.
- 8.25 p.m.—Musical interlude, introducing latest dance numbers.
- 8.45 p.m.—Reviews of the Life and Works of the Great Composers' series, Puccini and his operas. Arranged and presented by MR. GEO. F. MANUEL.
- 8.47 p.m.—The life of Puccini.
- 9 p.m.—The works of Puccini.
- 9.10 p.m.—Musical illustrations from the works of Puccini.
- 9.16 p.m.—Tenor solo: MR. RAY HAMILTON.
- 9.38 p.m.—Pianoforte solos: MR. NORMAN A. PULLING.
- 9.45 p.m.—Musical interlude, MAC'S MELODY MAKERS (W. A. McMILLAN, Leader).
- 10 p.m.—Closing announcements.

**2GB, SYDNEY**

Monday.

**MORNING SESSION.**

- "Cheerful Hour," conducted by the Cheerful Man.
- 9.30 a.m.—Cheerful Talk by Mr. J. K. Powell.
- 9.45 a.m.—Music.
- 9.50 a.m.—Psychological class.
- 10.15 a.m.—Music.
- 10.16 p.m.—Biographical talks.
- 10.35 a.m.—Music.
- 10.30 a.m.—Close down.

**AFTERNOON SESSION.**

- 2.30 p.m.—Music. News notes.
- 3.45 p.m.—Tapping the source of the Healing Power, Mary Rivett.
- 4 p.m.—Music. Studio.
- 4.4 p.m.—Cultivation of the voice, Miss I. Barnes.
- 1.20 p.m.—Music from Studio.
- 4.20 p.m.—Close down.
- 6.30 p.m.—The Children's Session, conducted by Mr. J. S. Powell.
- 7.15 p.m.—Popular song numbers, vocal, piano and gramophone.
- 7.35 p.m.—A. C. Ross. Psychology lecturer: The Responsibility of the Business Man.
- 7.55 p.m.—Duets for two violins, with piano accompaniment, Dan Scully, Monica Hoeder, Ada Brook.
- 8.15 p.m.—Address by Professor Ernest Wood.
- 8.45 p.m.—Instrumental Trio: Dan Scully, Marielle Lang, Ada Brook.
- 8.55 p.m.—Songs by Miss Elsie Brown: 1. "A Butterfly." 2. "If you were in my garden."
- 8.35 p.m.—Musical monologues.
- 8.45 p.m.—Topical talk.
- 9 p.m.—Announcements.
- 9.4 p.m.—A half-hour with the Clement Hooper Quartette Paris. Selections from light opera.
- 9.25 p.m.—Instrumental quartette: Dan Scully, Monica Hoeder, Marielle Lang, and Ada Brook.
- 9.45 p.m.—Musical monologues.
- 9.55 p.m.—Cheerful talk.
- 10 p.m.—"Great Thoughts from Great Minds."

**3LO, MELBOURNE**

Monday.

**MID-DAY SESSION.**

- Announcer ..... ALFRED ANDREW.
- Accompanist ..... AGNES FORTUNE.
- 12 noon.—Time signal. British official wireless news from Rugby. Heister's and the Australian Press Association Cables. "Arcas" and "Berad" news services.
- 12.15 p.m.—Stock Exchange information.
- 12.30 p.m.—Continuation of news services.
- 12.30 p.m.—STUDIO ORCHESTRA: "A Love Suite"—Part 1 (Lake).
- 12.40 p.m.—NUXHAM'S SERENADES Quartet. "Funiculi, Funiculi."
- 12.50 p.m.—EDITH RUXHAM AND SERENADES. "HUGH HUXHAM AND SERENADES. Serenade solo, "Just You" (Brecht).

**EDITH RUXHAM.**

- Studio Orchestra: "Twilight Reverie" (Thom). Sketch. "Where's my Dumbrella?" "The Wife" ..... EDITH RUXHAM "The Husband" ..... HUGH HUXHAM "The Maid" ..... DOLLY BURDETT "The Gardener" ..... RENN MILLAR Quartet. "Home to our Mountains" (Verdi). EDITH RUXHAM, DOLLY BURDETT, RENN MILLAR, HUGH HUXHAM.
- 1.5 p.m.—AGNES FORTUNE, pianoforte solo. "Polonaise C Sharp Minor" (Chopin).
- 1.12 p.m.—Weather reports.
- 1.22 p.m.—GEO. WELCH, comedian. "Well, Ah! It's Finished by Orange."
- 1.32 p.m.—MARGORIE VERE, soprano. "My Dream Home" (Tennant). "A Flower from an Old Bouquet" (Dunn).
- 1.50 p.m.—MAGGIE FOSTER, violin. "Banzai!" (Homan). "An Old Irish Air."
- 1.40 p.m.—STUDIO ORCHESTRA: "A Love Suite"—Part 2 (Lake).
- 1.54 p.m.—MARGORIE VERE, soprano. "Happy Summer Song" (Kahn). "Bread and Cheese and Kibbles" (Flaher).
- 2 p.m.—Close down.

**AFTERNOON SESSION**

- Announcer ..... ALFRED ANDREW
- Accompanist ..... AGNES FORTUNE
- 3 p.m.—STUDIO ORCHESTRA: Selection. "Musical Scenes" (Fletcher).
- 3.10 p.m.—MRS. DOROTHY SILK: "Homecrasts."
- 3.25 p.m.—JONES AND RAINE: "Get Out, put your tongue out" "Coming Home" "Imitations at Piano."

- 3.30 p.m.—STUDIO ORCHESTRA: "Two Noctettes" (Arncliffe).
- 3.45 p.m.—SHINEY BURCHALL, baritone: "Lead to Macdady" (Ossy Sparks). "Devil May Care" (Tate).
- 3.52 p.m.—WALTER SMITH, cornet: "Neath Austral Skins" (Code).
- 3.58 p.m.—BIDDY ENGLISH, mezzo-soprano: "Lament of Issa" (Granville Stanock).
- 4.6 p.m.—STUDIO ORCHESTRA: "The Mouse and the Clock" (Howard Whiting).
- 4.12 p.m.—SHINEY BURCHALL, baritone: "Hewie's Bird Singing" (Haydn Wood). "Thoughts" (Howard Flaher).
- 4.10 p.m.—STUDIO ORCHESTRA: "Le Sait"—Romance (Gounod).
- 4.24 p.m.—BIDDY ENGLISH: "Romance" (Debussy). "Le Mariage de Rossa" (Cesar Franck).
- 4.30 p.m.—MISS FLORA PELL, Inspector of Schools, Education Departmental Melbourne: "Domestic Economy."
- 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.
- 7.50 p.m.—GWEN HUMPHREY, soprano: "Taffin Gold" (Oldson).
- 8.2 p.m.—"LITTLE MISS KOOKABURRA" will tell her tiny Kookaburra Sisters and Brothers more about "The funny funny dog." This week he makes a presentation to the Queen.
- 8.12 p.m.—GWEN HUMPHREY, soprano, has two more little songs for the children.
- 8.20 p.m.—"LITTLE MISS KOOKABURRA" will tell to the bigger ones, the next instalment of "Carol of Hillydolls School" (Carol makes a new friend).
- 8.38 p.m.—"Arcas" and "Berad" news services. Weather and Animal Mail information by the Australian Animal Services, Ltd.
- 8.48 p.m.—Stock Exchange information. Overseas shipping.
- 8.49 p.m.—Fish Market reports by J. R. Barrett, Ltd.
- 8.51 p.m.—River reports.
- 8.54 p.m.—Market reports by the Victorian Produce Co-operative Co. Ltd. Hargreaves Sheep sales. Poultry, Grain, Hay, Chaff, Sugar, Jute, Dairy Produce. Potatoes and Onions.
- 7.8 p.m.—Market prices of Oranges and Lemons by the Victorian Central Citrus Association Pty. Ltd.
- 8.51 p.m.—Market reports by the Victoria Wholesale Fruit Growers' Association, compiled by the "Fruit World," exclusive to 2LO.

**NIGHT SESSION.**

- Announcer ..... MAURICE DUDLEY
- Accompanist ..... AGNES FORTUNE
- 7.15 p.m.—Dufferin's address of the Day Sewing Association, Deputy Chief Commissioner, DR. C. G. McADAMS: "Forthcoming Royal Rally and Strathkroyd 'An Omenation'."
- 7.30 p.m.—MR. A. E. McMICKEN: "Popular Phrases—Their Origin and Meaning."
- 7.45 p.m.—Under the auspices of the Department of Agriculture, MR. A. W. JESSUP, Principal of the School of Primary Agriculture, Burnley: "Agricultural Science Education."
- TRANSMISSION FROM 3LO STUDIO, at THE WIRELESS EXHIBITION, ARBUTHNOT BUILDINGS.
- 8 p.m.—BRUNSWICK CITY BAND: Overture, "The Diamond Cross" (Greenwood).
- 8.8 p.m.—OSBORNE AND PERRYER: "Cockney Camels."
- 8.18 p.m.—BRUNSWICK CITY BAND: "Valse 'Mirochete'" (Michele).
- 8.25 p.m.—HARRY GOULD, comedian: "Improvizations of Milton Hayes."

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8.00 p.m.—BRUNSWICK CITY BAND—  
March, "The Great Blue Arm" (Alford).  
FROM THE STUDIO.  
8.40 p.m.—JESSIE BATHCHELOR, contralto.  
"Re de a'chion", Aria from Ballo in  
Maschera.  
9.00 p.m.—SIR WM. NOBLE, late Director  
British Broadcasting Co.;  
"Conducting in England."  
9.30 p.m.—GEO. L. DE. CAHNS, soprano and  
Produced by Mr. Eardley Turner.  
Musical numbers by Hershman's Serenaders,  
and Brunswick City Band.

EARLY EVENING SESSION.  
8.0 p.m.—News Service (supplied by the  
Daily Standard).  
8.20 p.m.—Bedtime Stories by "The Sand-  
man."  
9.00 p.m.—Market Reports; Stock Reports;  
Lectures—"The Early History of the  
Pig." Mr. E. J. Shelton (Instructor in  
Pig Raising).  
9.30 p.m.—Weather News; Announcements.  
10.00 p.m.—Standard Time Signal.

EVENING SESSION.  
8.00 p.m.—G.P.O. Chimes.  
8.30 p.m.—Autobone Reproducer rental.  
8.40 p.m.—Bedtime stories.  
9.00 p.m.—Market reports.  
9.40 p.m.—Motor talk by Mr. Van Sinden,  
of the Vacuum Oil Co.  
9.50 p.m.—G.P.O. Chimes.  
10.00 p.m.—From the Studio; Chas. Carter's Con-  
certo Party; Radio Quartette Party, comedy  
numbers, comedy sketches, assisted by  
Misses M. Fife, W. Lavin, M. Nash,  
William D. Mack, Messrs. D. Wickless, L.  
Mills, Leslie Davis, Chas. Carter.  
8.40 p.m.—"Twinklers" original talk.  
9.00 p.m.—Concert party continued.  
9.00 p.m.—G.P.O. Chimes.  
9.01 p.m.—Weather report.  
9.02 p.m.—Dale's a wheat report.  
9.4 p.m.—Concert party continued.  
9.50 p.m.—Physical culture talk by Mr. Noel  
Hobbs, of the Central College of Physical  
Culture.  
9.50 p.m.—Concert party continued.  
10 p.m.—G.P.O. Chimes.  
10.01 p.m.—Automotive news service.  
10.10 p.m.—Concert party continued.  
11 p.m.—G.P.O. Chimes, and close down.

CAST.  
Mr. Shuler (planner)..... John Forder  
Mr. Haby (planner)..... Beverford Forder  
Thelec Tom..... Eardley Turner  
Phlice Fletcher..... Norman Hill  
Lawyer Marks..... Edward Lester  
Simon Lague..... Basilie Duffie  
Loker..... Charles Smith  
Samba..... Thomas Williams  
Mr. St. Clare..... P. L. Julian  
George Shelby..... Sidney Borehall  
Ella Harris..... Eugene Ogden  
Marie (Mrs. St. Clare)..... Geraldine Turner  
Little Eva..... Elsie Furlonger  
Orhilla..... Yette Landau  
Topsy..... Marie de Varen

NIGHT SESSION.  
7.40 p.m.—Lecture: Scientific Popular Science  
Talk by Mr. C. M. McFarley.  
ORGAN RECITAL: The recital by Mr.  
George Sampson, F.R.C.O. City Organist,  
will be relayed from St. John's Anglican  
Cathedral.  
8.00 p.m.—From St. John's Cathedral: Organ-  
ture: "Duo Pasquale" (Domestic); "Largo"  
from the pianoforte "Sonata in A" (Bardi-  
erovici); "Concerto No. 6" (Bartok); (a)  
"Molto" (Szymanowski); (b) "Allergretto"  
(Mozart); "Andante" (Italo Mendel-  
soni); "Marche Funebre" (Gounod); (c)  
"Simple Aveu" (Thom); (d) "The Rose" (No-  
vella); "Coronation March" (Tchaikow-  
ski).  
9.15 p.m.—STUDIO CONCERT: From the  
Studio: Metropolitan Weather Forecast,  
Bromo quartette, "Scotts" (Rogoff), the  
Ipswich City Vocal-Ring Band Quartette  
Party (Messrs. W. Roper, J. W. Burgess,  
member, A. Clark, D. Jordan), Miss Helen  
"The Bands of Dea" (Hay), Mr. Hanning  
Timothy's monologue, "The Blackwaymen"  
Miss Nell Douglas Graham, concert solo,  
"Les Femmes" (King), Messrs. W. H. Roper  
and J. W. Burgess, contralto solo,  
"Helen and the Rose" (Clare), Mrs. Jean  
Naylor, violin solo, "Legende" (Winnies)  
Miss Nell Douglas Graham, concert solo,  
"What Shall I Sing You" (Earl Barry),  
Miss M. Allen; brass quartette, "Wagons"  
(Earl Barry), the Ipswich City Band Party;  
concert solo, "Song of Triumph" (Anderson),  
Mr. Shuler (Timothy) voice solo, solo,  
Richard Fish Song, "Nightingale, O Night-  
ingale" (Earl Barry), Mr. D. Jordan, monologue,  
"Ora Hunc," Miss Nell Douglas Graham,  
concert solo, "Dance and Tips" (E. C.  
Clark), Miss M. Allen, combination solo,  
"Whirlwind Polka" (Lacey), Mr. A. Clark,  
contralto solo, "I Was a Dream" (Lassen),  
Mrs. Jean Naylor; brass quartette, "Helo  
of Rochelle" (Balle), the Ipswich City  
Band Party.

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

### 6WF, PERTH

10.00 p.m.—British Official Wireless news from  
Rugby. Announcements.  
10.10 p.m.—MAGGIE PUSTEL, violin:  
"Favourite."  
"Tobacco" (Liszt).

10.15 p.m.—STUDIO ORCHESTRA:  
"The Old Refrain" (Kreutzer).  
10.25 p.m.—JESSIE BATHCHELOR, contralto:  
"Mother's Song" (E. Harby).  
"The Young Rose" (E. Harby).  
10.35 p.m.—BRUNSWICK CITY BAND:  
Selection, "Edinburgh Town" (Smith).  
10.41 p.m.—MARJORIE VERE, soprano:  
"A Birthday" (Cowen).  
"Little Sussex Girl" (Gosset).

Monday.  
12.30 p.m.—Tune in.  
1.35 p.m.—First local news bulletin.  
Market reports.  
1 p.m.—Time signal from the Perth Observa-  
tory.  
1.1 p.m.—Weather notes, supplied by the  
Meteorological Bureau of Western Australia.  
1.2 p.m.—STUDIO QUINTETT.  
1.25 p.m.—Close down.  
1.30 p.m.—Tune in.  
1.35 p.m.—Market programme.  
4 p.m.—STUDIO TRIO.  
4.02 p.m.—Close down.  
5 p.m.—Tune in.  
5.15 p.m.—Stories for the Kiddies, by Upsilon  
Henry and Duffy.  
5.25 p.m.—Tune in and share intelligence.  
Market reports.  
Cable News supplied by courtesy of "The  
West Australian" Newspaper Co.  
8 p.m.—Time signal from the Perth Observa-  
tory.  
8.15 p.m.—Weather notes, supplied by the  
Meteorological Bureau of Western Australia.  
8.3 p.m.—The Kexing talk, by Mr. C. Wal-  
shaw, under auspices of the Don Keepers'  
Association.  
8.18 p.m.—BAND NIGHT.  
Concert by the R.S.L. Band. Conductors  
Mr. Geo. S. Mellor.  
8.30 p.m.—Radio talk, by Mr. H. S. Hutton,  
of the Hutton School of Physical Culture.  
10 p.m.—Second local news bulletin, supplied  
by courtesy of "The Daily News" Newspaper  
Co.  
10.10 p.m.—Close down.

10.50 p.m.—"Angry" news service. Metro-  
logical information. Announcements.  
11 p.m.—OUL GREAT THOUGHT:  
"A sound discretion is not so much indicated  
by never making a mistake as by  
never repeating it." (Bacon).  
11 p.m.—JOE ARONSON AND HIS SYNCO-  
PATING SYMPHONISTS:  
"Dreuning of Custos in the Ad" (Ward).  
"T-t-t-t-t" My Night with Baby" (Meyer).  
"Let's Talk About My sweetie" (Kahn).  
"I wish you were Jackson of 42" (Rosen).  
"Angry" (Brant).  
"I Wish I had my old gal back again"  
(Sellen).  
"Sunday" (Miller).  
"Rose Loford Glasses" (Steiger).  
"Am I Weating my time" (Rife).  
"Calling Me Home" (Gilbert).  
"The Village Blacksmith Owns the Village  
Now".  
"By the Sign of a Rose" (Fields).  
"Hollering" (Walt).  
"In a Little Spanish Town" (Wayne).  
"Bye, Bye Blackbird" (Dixon).  
"That's Why I Love You" (Donaldson).  
"That Samson and Delilah Melody" (Grey).  
"Loudly" (Firman).  
11.40 p.m.—GOD SAVE THE KING.

9.15 p.m.—STUDIO CONCERT: From the  
Studio: Metropolitan Weather Forecast,  
Bromo quartette, "Scotts" (Rogoff), the  
Ipswich City Vocal-Ring Band Quartette  
Party (Messrs. W. Roper, J. W. Burgess,  
member, A. Clark, D. Jordan), Miss Helen  
"The Bands of Dea" (Hay), Mr. Hanning  
Timothy's monologue, "The Blackwaymen"  
Miss Nell Douglas Graham, concert solo,  
"Les Femmes" (King), Messrs. W. H. Roper  
and J. W. Burgess, contralto solo,  
"Helen and the Rose" (Clare), Mrs. Jean  
Naylor, violin solo, "Legende" (Winnies)  
Miss Nell Douglas Graham, concert solo,  
"What Shall I Sing You" (Earl Barry),  
Miss M. Allen; brass quartette, "Wagons"  
(Earl Barry), the Ipswich City Band Party;  
concert solo, "Song of Triumph" (Anderson),  
Mr. Shuler (Timothy) voice solo, solo,  
Richard Fish Song, "Nightingale, O Night-  
ingale" (Earl Barry), Mr. D. Jordan, monologue,  
"Ora Hunc," Miss Nell Douglas Graham,  
concert solo, "Dance and Tips" (E. C.  
Clark), Miss M. Allen, combination solo,  
"Whirlwind Polka" (Lacey), Mr. A. Clark,  
contralto solo, "I Was a Dream" (Lassen),  
Mrs. Jean Naylor; brass quartette, "Helo  
of Rochelle" (Balle), the Ipswich City  
Band Party.

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

### 5CL, ADELAIDE

Monday.  
11.30 a.m.—G.P.O. Chimes.  
11.40 a.m.—Agitation Reproducer rental.  
11.45 a.m.—"Advantage" news service.  
11.55 a.m.—Sotora rental.  
12 noon—G.P.O. Chimes.  
12.1 p.m.—"Advantage" news service.  
12.15 p.m.—Autobone Reproducer rental.  
12.30 p.m.—Stock Exchange reports; official  
weather forecasts and station announce-  
ments.  
12.30 p.m.—G.P.O. Chimes.  
12.31 p.m.—Radio orchestra; Selection,  
"Katie" "Berenade d'Amour" Fox Trot  
"Nobody But You" "Spring Road"  
"Tango" "Sotora" from symphony; cornet  
solo, "Belmonte"; "Serenade"; Oriental  
"Chorus"; Brass "Katie".  
2 p.m.—G.P.O. Chimes, and close down.

MORNING SESSION.  
11.30 a.m.—G.P.O. Chimes.  
11.40 a.m.—Agitation Reproducer rental.  
11.45 a.m.—"Advantage" news service.  
11.55 a.m.—Sotora rental.  
12 noon—G.P.O. Chimes.  
12.1 p.m.—"Advantage" news service.  
12.15 p.m.—Autobone Reproducer rental.  
12.30 p.m.—Stock Exchange reports; official  
weather forecasts and station announce-  
ments.  
12.30 p.m.—G.P.O. Chimes.  
12.31 p.m.—Radio orchestra; Selection,  
"Katie" "Berenade d'Amour" Fox Trot  
"Nobody But You" "Spring Road"  
"Tango" "Sotora" from symphony; cornet  
solo, "Belmonte"; "Serenade"; Oriental  
"Chorus"; Brass "Katie".  
2 p.m.—G.P.O. Chimes, and close down.

AFTERNOON SESSION.  
3 p.m.—G.P.O. Chimes.  
3.1 p.m.—Relay from the Maple Leaf Cafe;  
orchestral numbers.  
3.45 p.m.—From the Studio: Autobone Repro-  
ducer, and Sotora numbers.  
4.00 p.m.—G.P.O. Chimes.  
4.1 p.m.—Relay from the Arzada Cafe;  
orchestral numbers.  
4.05 p.m.—Stock Exchange reports, general  
information, and Hutton announcements.  
5 p.m.—G.P.O. Chimes, and close down.

### 4QG, BRISBANE

Monday.  
MIDDAY SESSION.  
1.0 p.m.—Market Reports. Weather information  
supplied by the Commonwealth Weather  
Bureau; News Service supplied by "The  
Daily Mail" and "The Daily Standard".  
1.20 p.m.—From Hotel Carlton; Lunch Music  
played by Hotel Carlton Symphony  
Orchestra.  
1.58 p.m.—From the Observatory; Standard  
Time Signal.  
2.0 p.m.—Close Down.  
AFTERNOON SESSION.  
3.00 p.m.—From Hotel Carlton; Afternoon  
Tea Music played by Hotel Carlton Sym-  
phony Orchestra.  
4.15 p.m.—From the Studio; News Service  
supplied by "The Telegraph".  
4.30 p.m.—Close Down.

MORNING SESSION.  
11.30 a.m.—G.P.O. Chimes.  
11.40 a.m.—Agitation Reproducer rental.  
11.45 a.m.—"Advantage" news service.  
11.55 a.m.—Sotora rental.  
12 noon—G.P.O. Chimes.  
12.1 p.m.—"Advantage" news service.  
12.15 p.m.—Autobone Reproducer rental.  
12.30 p.m.—Stock Exchange reports; official  
weather forecasts and station announce-  
ments.  
12.30 p.m.—G.P.O. Chimes.  
12.31 p.m.—Radio orchestra; Selection,  
"Katie" "Berenade d'Amour" Fox Trot  
"Nobody But You" "Spring Road"  
"Tango" "Sotora" from symphony; cornet  
solo, "Belmonte"; "Serenade"; Oriental  
"Chorus"; Brass "Katie".  
2 p.m.—G.P.O. Chimes, and close down.

WEDNESDAY, MARCH 8  
2KFC, SYDNEY  
EARLY MORNING SESSION.  
7.00 a.m.—"Big Ben" and announcements.  
7.05 a.m.—Radio talk, by Mr. H. S. Hutton,  
of the Hutton School of Physical Culture.  
7.10 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, iron-ore markets,  
interstate markets, produce markets.  
7.40 a.m.—"Sydney Morning Herald" news  
service.  
8 p.m.—"Big Ben" Studio music.  
8.15 a.m.—"Close Down."  
MORNING SESSION.  
8.00 a.m.—Marching music for school stud-  
ents.  
9.40 a.m.—A popular record.

## Announcement

# Jefferson Transformers

No matter what circuit you wish to complete, there is a JEFFERSON Transformer that will bring you the highest possible degree of amplification. Right from the start put JEFFERSONS in your set—don't experiment—expert Radio Engineers after careful and exhaustive tests have found them perfect in every detail of construction. Distant stations are tuned in with ease, and you will be highly pleased with the extreme sensitivity, quietness and the freedom from distortion.

# 18/6

Ratio:  
3.75 to 1



# 18/6

Ratio:  
3.75 to 1

### ELECTRICAL CHARACTERISTICS.

No. 41—Ratio 3.75 to 1.

Designed for operation with all standard tubes.

1. Ratio of secondary to primary turns, 3.75 to 1.
2. Useful tone frequency range, 60/5000 cycles.
3. Allowable current on each winding, 10 milli-amperes.
4. Test voltage between primary and secondary, between primary, secondary and ground, 500 volts.
5. Maximum operating voltage in conjunction with tube, 300 volts.
6. D.C. Resistance of windings:  
Primary, 1000 ohms. (approx.)  
Secondary, 5000 ohms. (approx.).
7. Primary and secondary wound with No. 40 enamel-covered copper wire.

Obtainable from all Reputable Radio Dealers.

SOLE AUSTRALASIAN AGENTS:

# Fox & MacGillycuddy Ltd.

Daily Telegraph Buildings, King Street

8.45 a.m.—Last minute sporting information by the ZFC Racing Commissioner.  
 9.0 a.m.—"Big Ben" and announcements.  
 9.05 a.m.—Late "Sunday Morning Herald" news service.  
 9.15 a.m.—Studio music.  
 9.45 a.m.—A serial story.  
 11 a.m.—"Big Ben," Australian Press Association and Keater's 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.  
 12.5 p.m.—Studio music.  
 12.50 p.m.—Rugby wireless news.  
 12.55 p.m.—Miss Thelma Lansdowne, mezzo ("A Song of Sunshine" (Pavane)).  
 1 p.m.—"Big Ben," weather intelligence.  
 1.2 p.m.—"Evening News" midday news service.  
 1.20 p.m.—Studio music.  
 1.25 p.m.—Miss Thelma Lansdowne, mezzo ("Frost" (March)).  
 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.—The Chimes of ZFC and programme announcement.  
 2.45 p.m.—Items from the Violin Regatta, arranged by Mr. S. Vost Jannson—"Concerto, Capriccio and Finales" (Tchaikovsky);  
 MR. RONALD WILKINSON.  
 2.50 p.m.—MISS DORREN O'BRIEN:  
 (a) "Gypsy Serenade" (Valse).  
 (b) "Tambourin" (Rameau-Kreutzer).  
 3 p.m.—"Big Ben," Miss Margaret Grimbshaw, mezzo.  
 3.5 p.m.—Mr. S. Vost Jannson's pupils in the following numbers:  
 "Serenade" (Drifka). C. HANNEY.  
 3.15 p.m.—"Concerto in F Sharp Minor" (Vlastavsky).

MISS HENE DIRRETT (Vlastavsky).

3.25 p.m.—MISS ELLIE BROWNING:  
 "Un Yeu D'Amour" (Silesu).  
 3.30 p.m.—Marching music for school children.  
 3.40 a.m.—FROM FARMER'S TEA ROOMS.  
 Miss Beatrice Kendrick, contralto:  
 "The Winds are Calling" (Ronald).  
 3.45 p.m.—Studio music.  
 4 p.m.—FROM FARMER'S TEA ROOMS.  
 Miss Aileen Bear, mezzo:  
 "Sing Joyous Bird" (Phillips).  
 4.5 p.m.—A reading from the Studio.  
 4.50 p.m.—FROM FARMER'S TEA ROOMS.  
 Miss Beatrice Kendrick, contralto:  
 "Three" (Aylward).  
 4.55 p.m.—Studio music.  
 4.45 p.m.—FROM FARMER'S TEA ROOMS.  
 Miss Aileen Bear, mezzo:  
 (a) "Sing Happy Bird."  
 (b) "The Way Home" (Liddle).  
 4.45 p.m.—Stock Exchange, third call.  
 4.45 p.m.—Close down.

EARLY EVENING SESSION.

5.45 p.m.—The Chimes of ZFC.  
 5.50 a.m.—"The Hello Man," talks to the children.  
 6.10 p.m.—Mr. G. E. Duff, Secretary of the R.S.P.C.A. will talk to the little ones.  
 6.40 p.m.—Dinner music.  
 7 p.m.—Late Sporting News.  
 7.10 p.m.—Daily's market reports, wool, wheat and stock.  
 7.18 p.m.—Fruit and Vegetable markets.  
 7.20 p.m.—Weather and shipping intelligence. Stock Exchange.  
 7.25 p.m.—Late "Evening News" news service.

NIGHT SESSION.

7.45 p.m.—Mr. G. J. Lockley will give some reminiscences of "Old Paddy's Market."  
 8 p.m.—"Big Ben," FROM THE CRATS-WOOD TOWN HALL (by arrangement with J. C. Williamson, Ltd.) Items from the production, "HIGH JINKS," performed by the Kuring-Quai Operatic Society, con-

ducted by Mr. Arthur Champion.  
 ACT ONE—Musical numbers:  
 (a) Overture.  
 (b) Opening Chorus, "Doctor Thorne."  
 (c) Song, "Something seems unobscuring"  
 CLAUDE K. EARLE and Chorus.  
 (d) Song, "Poor Papa."  
 BERT COOR.  
 (e) Song, "Jim."  
 OWEN SILKWOOD and Male Chorus.  
 \*25 a.m.—FROM THE CONSERVATORIUM HALL, SYDNEY. Items from the Concert, arranged by the British Music Society. Piano—"Prelude and Finales" (Frank), MR. FRANK HITCHING.  
 \*34 p.m.—(a) "Mamans d'ia-moi!"  
 (b) "Le Beauquet de Romanin"  
 (c) "Menuet du Printemps"  
 (18th Century Harpsichord, arr. Webberlin)  
 MISS NANCY MARDEN, soprano.  
 \*45 p.m.—FROM THE STUDIO.  
 Miss Peggy Peat, comedienne.  
 \*53 p.m.—The ZFC Studio Dance Band, conducted by Mr. Eric Pearce, escorted by the popular baritone, Mr. Len Maurice.  
 9 p.m.—"Big Ben" From the Studio: Announcement of the group of Songs with Violin Accompaniment.  
 \*3 p.m.—FROM THE CONSERVATORIUM HALL.  
 Old English Ayres, sung by Miss Nancy Marden, Soprano.  
 (a) "When Laura Smiles" (Rosseter).  
 (b) "What thou is love but unmarrying" (Slooster).  
 (c) "Flora" (Grove).  
 (d) "No to Bed Sweet Muse" (Jones).  
 (e) "Love's Girl is a Boy" (Jones).  
 \*55 p.m.—Violin Accompaniment.  
 9.20 p.m.—Mr. Moore McMahon, Violinist:  
 (a) "Minuet" (Bach).  
 (b) "Ballet Music" (Schubert-Kreutzer).  
 (c) "Caprice" (Paganini-Kreutzer).  
 \*52 p.m.—Miss Nancy Marden, soprano:  
 (a) "A Blackbird Sings" (Mozart Head).  
 (b) "Morning Hymn" (Henschel).  
 \*45 p.m.—FROM THE STUDIO: Mr. Frank Smythe, baritone solo:  
 (a) "How Could Red Riding Hood" (Randelsh).  
 (b) "She Knows Her Onions" (Fallock).  
 \*55 p.m.—Miss Peggy Peat, Comedienne:  
 10.5 p.m.—The ZFC Studio Dance Band in popular numbers.  
 10.15 p.m.—Mr. Hal Black, Baritone:  
 (a) "With Mother's arm in Me" (Aylmer).  
 (b) "Song of the Wanderer" (Muret).  
 10.20 p.m.—The ZFC Studio Dance Band, conducted by Mr. Eric Pearce.

FROM THE CHATEAUXWOOD TOWN HALL: Musical Items from the third act of "HIGH JINKS," produced by the Kuring-Quai Operatic Society, conducted by Mr. Arthur Champion.  
 ACT THREE—Musical numbers:  
 (a) Opening Chorus.  
 (b) Ballet, "That's Why I Love You"  
 (c) Duet Dances, "Katsuka"  
 (d) Song, "The Bubble," JOYCE FISHER and Chorus.  
 (e) Duet, "Calling," DOROTHY MEREDITH and CLAUDE K. EARLE.  
 (f) Song, "Sammy Sang the Marseillaise," CLAUDE EARLE and Chorus.  
 (g) Finales.  
 11 p.m.—"Big Ben."  
 FROM THE STUDIO. Late news and announcements.  
 11.5 p.m.—The ZFC Dance Band will be heard in popular numbers until midnight.  
 12 midnight—"Big Ben" National Anthem.  
 Close down.

1.45 a.m.—G.P.O. Clock and Chimes.  
 7.45 a.m.—Weather report.  
 7.45 a.m.—Sporting information.  
 7.50 a.m.—Broadcasters' special news service.  
 8 a.m.—G.P.O. Clock and Chimes.  
 Close down.  
 MORNING SESSION.  
 10 a.m.—G.P.O. Clock and Chimes.  
 10.1 a.m.—Weather report.  
 10.5 a.m.—Musical programme from the Studio.  
 10.40 a.m.—News from the "Daily Telegraph."  
 10.45 a.m.—Musical programme from the Studio.  
 11 a.m.—G.P.O. Clock and Chimes.  
 11.1 a.m.—News from the "Daily Telegraph."  
 11.15 a.m.—Rabbit market report.  
 11.15 a.m.—FISH market report.  
 11.19 a.m.—Vegetable market report.  
 11.21 a.m.—Fruit market report.  
 11.23 a.m.—Report on London dairy, farm, egg and poultry market report.  
 11.25 a.m.—London metal quotations.  
 11.30 a.m.—Stamps 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.  
 Social notes by Mrs. Jordan.  
 11.55 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.  
 12.31 p.m.—Weather report and forecast.  
 12.35 p.m.—"Sun" Newspapers' news service.  
 12.45 p.m.—Hilder's Instrumental Quartet. Direction, Carol Cartling.  
 1.00 p.m.—G.P.O. Clock and Chimes.  
 1.01 p.m.—Weather report and forecast.  
 1.03 p.m.—Sydney Stock Exchange calls.  
 1.04 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.

Racing information broadcast by courtesy of the "Sun."  
 3 p.m.—G.P.O. Clock and Chimes.  
 3.1 p.m.—Weather report.  
 3.15 p.m.—Social notes from the "Sun."  
 3.19 p.m.—News from the "Sun."  
 3.25 p.m.—Civil Service Stores Trio. Direction, Miss de Courtes Brown.  
 3.30 p.m.—News from the "Sun."  
 3.40 p.m.—Musical programme from the Studio.  
 4 p.m.—G.P.O. Clock and Chimes.  
 4.1 p.m.—Civil Service Stores Trio.  
 4.15 p.m.—Social Story.  
 4.30 p.m.—Musical programme from the Studio.  
 4.45 p.m.—Producers' Distributing Society's vegetable and fruit market report.  
 4.50 p.m.—Shipping information when available.  
 4.52 p.m.—Day's racing resume on race days.  
 4.53 p.m.—News from the "Sun."  
 4.58 p.m.—Resume of night's programme.  
 5 p.m.—G.P.O. Clock and Chimes.  
 Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes.  
 5.46 p.m.—Uncle George and the Kiddies.  
 5.46 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.  
 Stock Exchange reports.  
 Producers' Distributing Society's fruit and vegetable market report.  
 Dairy produce report ("Sun").  
 Grain and fodder report ("Sun").  
 7.15 p.m.—Country news from the "Sun."

2BL, SYDNEY

Tuesday.

EARLY MORNING SESSION.  
 7.15 a.m.—G.P.O. Clock and Chimes.  
 7.18 p.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.  
 EARLY EVENING SESSION.  
 7.15 a.m.—G.P.O. Clock and Chimes.  
 7.18 p.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.



## FARMER'S Standard 2-Valve Receiver

Complete with Accessories.

A radio receiving set is as good as the service it gives: good reception, tone, reliability, economy in upkeep, and other essential attributes. A crystal set has tone quality, but is limited in radius; some valve sets are both reliable and economical. Farmer's Standard two-valve receiver is reliable and economical, possessing tone and volume.

This set takes less than two hours to instal in the city or suburbs, and maintenance cost, including licence, is less than £4/10/- per year.

Perfect reception from all local stations is certain, and Farmer's invite you at any time to see this set demonstrated, and test the unusual features of the instrument.

Price **£14/10/-**

### "FROST" HEADPHONES.

Frost Headphones are highly recommended and greatly used, being reliable and accurate. They are used constantly by experimenters, who need a better class of phone, so no better addition could be made to your receiver. Price ..... 45/-

## FARMER'S, SYDNEY

RADIO DEPARTMENT, GROUND FLOOR.



### New Columbia Layerbilt "B" Battery

A radio "B" Battery of entirely new construction, made of flat layers of elements compressed one against the other so that every cubic inch inside the battery is completely filled with electricity producing materials. This means 30% more power than that of any other battery of the same size made of round cells. It means greater power, longer life and far greater economy than it is possible to obtain from any other battery.

### Columbia Radio Batteries

—they last longer

Factory Representatives:  
ELLIS & COMPANY, (Aust.) Ltd.  
204-6 Kent Street, Sydney, N.S.W. 586





Turiddu (Tenor), A young peasant, Mr. Horace White.  
Lucia (Contralto), His Mother, Miss Gertrude Hutton.  
Alfo (Baritone), A carrier, Mr. J. Alexander Brown.  
Lola (Mezzo-Soprano), His Wife, Miss G. Hutton.

Chorus of Peasants, Children, etc.  
**INTRODUCTION—THE ORCHESTRA.**  
Siciliana ..... Turiddu  
Opening Chorus ..... Turiddu  
Scena ..... Santuzza and Lucia  
Alfo's Song ..... Gally Go My Heroes  
Chorus ..... O the Jolly Life Boys  
Scena and Prayer ..... Lucia-Alfo and Chorus  
Grand Chorus with Solo ..... O Rejoice  
Romance and Scena ..... Santuzza and Lucia  
Scena ..... Santuzza and Turiddu  
Lola's Song ..... O Gentle Flower of Gold  
Duet ..... Santuzza and Turiddu  
Duet ..... Santuzza and Alfo

**INTERMEZZO—THE ORCHESTRA.**  
Chorus ..... New Homeward  
Scena ..... Lola and Turiddu  
Drinking Song ..... Turiddu  
Chorus ..... See the Merry Wine  
Finale, Santuzza, Lucia, Turiddu, Alfo and Chorus.

10.15 p.m.—British Official Wireless News; Meteorological Information.  
10.25 p.m.—MALVERN TRAMWAYS BAND, Selection, "Stephen Adams Songs" (Hume).  
10.37 p.m.—CLAUDE HALL, Baritone.  
"Truth at Eye" (Cadmus).  
10.44 p.m.—"Azusa" News Service; Announcements; Sporting Notes by "Olympus".

10.54 p.m.—JOE ARONSON and HIS SYMPO-  
NISTS.  
"Hi Diddle Diddle" (Coon).  
"Smiling Eyes" (Howards).  
11.0 p.m.—Our Great Thought.  
"The habit of looking on the best side of every event is worth more than a thousand pounds a year."—Johnson.  
11.1 p.m.—JOE ARONSON and HIS SYMPO-  
NISTS.  
"Napoléon Napoléon" (Zamenick).  
"I'd Climb the Highest Mountain" (Brown).  
"Precious" (Whiting).  
"Kalinka" (Tobias).  
"Fire-Fire-Fire-trot, the hose on Me" (Gay).  
"Peanut" (Friend).  
"Then I'll be Happy" (Friend).  
"Twilight Waltz" (Henry).  
"Blowin' Off Steam" (Davis).  
"No Foolin'" (Buck).  
"Adios" (Owens).

11.40 p.m.—WGD SAVE THE KING.  
**40Q, BRISBANE**

Tuesday.  
MIDDAY SESSION.  
1.0 p.m.—Market Reports; Weather Information; "The Daily Mail" News; "The Daily Standard" News.  
1.20 p.m.—From Hotel Carlton; Lunch Music from the Lounge, Hotel Carlton, played by Hotel Carlton Symphony Orchestra.  
1.58 p.m.—From the Observatory; Standard Time Signal.  
2.8 p.m.—Close Down.

AFTERNOON SESSION.  
3.30 p.m.—A PROGRAMME OF MUSIC FROM THE STUDIO; Duo Art selection, "Intermezzo" (Mazurka); Acoustic Vocalion selections—(a) band "The Grasshoppers' Dance" (Ducolosi) H.M. Welsh Guards; (b) bass "The Raft" (Ginnini) Mr. Malcolm McEachern; Duo Art selection, "Rhapsodie No. 2" (Liszt); Acoustic Vocalion selections—(a) violin solo, "Midnight Bells" (Kreuzler), Miss Peggy Cochrane; (b) quartette, "Mamma's Lullaby" (Spruce).  
Cedron Male Quartette; Duo Art selection, "Valse" (Karganoff); Acoustic Vocalion selections—(a) tenor "Spirit, So Fair" (Verdi) Gullio Crimi, (b) fox-trot "My Myself and I" (Link), Billy Mayerl and his Orchestra; Duo Art selection, "Nymphs and Fairies" (Bemberg); Acoustic Vocalion selections—(a) contralto solo, "Knowest Thou That Lane" from "Mignon" (Thomas) Miss Enid Truchmann, (b) fox-trot "Mandy" (Meyr) Ohio Novelty Band; Duo Art selection, "Rondo Capriccioso" (Mendelssohn).

4.15 p.m.—"The Telegraph" News.  
4.30 p.m.—Close Down.

EARLY EVENING SESSION.  
6.5 p.m.—"Daily Standard" News; Announcements.  
6.50 p.m.—Bedtime Stories by "Uncle Ben" and "Uncle Jim".  
7.0 p.m.—Market Reports; Stock Reports; Lecture, "Our Meat Supply" and and and, Professor, Mr. H. G. Chessman (Senior Inspector of Slaughter Houses).  
7.20 p.m.—Weather News; Announcements.  
7.43 p.m.—Standard Time Signal.

NIGHT SESSION.  
7.45 p.m.—Lecture Selection, "The Home Beautiful," by Mr. E. J. Chilton.  
By Mr. A. N. PALK'S PARTY: The first portion of to-night's programme will be provided for by a concert party under the leadership of Mr. A. N. Palk.

8.0 p.m.—From the Studio; Orchestra, "Il Bacio" (Arlita), Misses K. Warren (piano), M. Warren (cello), M. Auld (violin); vespers solo, "The Russian Love Song" (Mardioli), Mrs. Percy Knott; burlesque solo, "Pagan" (Herman Lohr), Mr. A. N. Palk; violin solo, "Hymnocasts" (Waldheim), Miss Madel Warren; discography, "The Pictorial of L. Park Foss" (P. Clark), Mr. Chas. Cowan; contralto solo, "Had You Not Known" (Denza), Miss Irene Elphinstone; orchestra, Hungarian Dance No. 5 (Brahms), Misses K. and M. Warren and Auld; tenor solo, "Who is Sylvia" (Schubert), Mr. Jack Lord; pianoforte solo, "Leitstrasse" (Liszt), Miss K. Warren; vocal duet, "Passerel to Summer" (Johnson), Mrs. Knott and Mr. Palk; violin solo, "Meditation" (Chopin), Miss M. Auld; obstetrical items "How Gilber's Auld" ("Bangs") Patterson, Mr. Chas. Cowan; quartette, "Silent Night" (Barbry), Mrs. Knott, Miss Elphinstone, Messrs. Lord and Palk. Accompaniments by Miss Kathleen Warren.

9.0 p.m.—From the Centennial Hall; Dance.  
10.0 p.m.—From the Studio.  
10.0 p.m.—"The Daily Mail" News; Weather News; Close Down.

**5CL, ADELAIDE**

TUESDAY.  
MORNING SESSION.  
11.30 a.m.—G.P.O. Chimes.  
11.31 a.m.—Autophone Reproducer vocal.  
11.40 a.m.—Advertiser news service.  
11.55 a.m.—Sonora recital.  
12 noon—G.P.O. Chimes.  
12.1 p.m.—Advertiser news service.  
12.15 p.m.—Autophone Reproducer recital.  
12.20 p.m.—S. C. Ward and Co.'s Stock Exchange reports, official weather synopsis and station announcements.  
12.30 p.m.—G.P.O. Chimes.  
12.31 p.m.—Studio orchestra. Overture, "Sounds from the Sunny South"; waltz, "Sweet Hawaiian Sands"; fox trot, "Pearl of Malacca"; "Serenade de Huel"; selection "Twilight in the North"; scene solo, "Auld"; novelties, "Marianette"; "Napoléon Nights"; finale, "Molly Songs".  
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.  
3.4 p.m.—From the Studio; Autophone Reproducer and Sonora numbers.  
4 p.m.—G.P.O. Chimes.  
4.1 p.m.—Relay from the Arcadia Cafe; orchestral numbers.  
4.55 p.m.—Stock Exchange 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.  
6.31 p.m.—Autophone Reproducer recital.  
6.36 p.m.—Bedtime stories.  
7.30 p.m.—Market reports by Messrs. S. C. Ward and Co., A. W. Sandford and Co., A. E. Hall and Co., S. A. Farmers Co-operative Union and Dalgety and Co.

7.40 p.m.—Home beautiful talk by "Domus".  
8 p.m.—G.P.O. Chimes.  
8.1 p.m.—Grand instrumental evening. Inter-spered with vocal numbers: Double re-voiced, for two violins by Bach, Miss Linnetta Foglia (violin), Mr. Louis Foss (A.M.A.), (violin), Mr. Tom King (pianist), concerto by Grieg, for two pianos, Miss Lucia Foglia and Mr. Tom King; saxophone solo, Mr. Les. Mitchell; concerto, by Saint-Saens, in G Minor, for two pianos, Miss Lucia Foglia and Mr. Tom King; mandolin guitar, Mr. Jack Louthall; violin solo, Mr. B. Lewis Jones, A.M.A.; fife solo, Mr. A. V. Snake; clarinet solo, Mr. Vern Rogers; pianoforte solo, Mr. Tom King.  
8.12 p.m.—M.C.I. Orchestra.  
Rev. Dr. Seymour will relate his "Observations" during his recent tour of United States and Canada. Assisting vocalists, Miss Kileen Newby, Mr. Norman Shepherd.  
10 p.m.—G.P.O. Chimes.  
10.1 p.m.—Advertiser news service.  
10.2 p.m.—Instrumental concert continued.  
11 p.m.—G.P.O. Chimes, and close down.

**6WF, PERTH**

Tuesday.  
12.30 p.m.—Time in.  
12.35 p.m.—First local news bulletin.  
Market reports.  
Calais.  
1 p.m.—Time signal from the Perth Observatory.  
1.1 p.m.—Weather notes, supplied by the Meteorological Bureau of Western Australia.  
1.3 p.m.—STUDIO TRIO.  
1.50 p.m.—Close down.  
3.30 p.m.—Time in.  
4.30 p.m.—Musical programme, including pianoforte selections by Miss Evelyn Willis.  
4 p.m.—STUDIO TRIO.  
4.30 p.m.—Close down.  
5 p.m.—Time in.  
7.5 p.m.—Stories for Tiny Tot, by Auntie Kate.  
7.50 p.m.—Uncle Perry will talk in the studio.  
7.55 p.m.—Stock and share intelligence.  
Market reports.  
Cables. News supplied by courtesy of "The West Australian" Newspaper Co.  
9 p.m.—Time signal from the Perth Observatory.  
9.1 p.m.—Weather notes, supplied by the Meteorological Bureau of Western Australia.  
9.2 p.m.—CONCERT NIGHT.  
Musical programme.  
10 p.m.—Second local news bulletin, supplied by courtesy of "The Daily News" Newspaper Co.  
10.50 p.m.—Close down.

**Wednes, March 9  
2FC, SYDNEY**

EARLY MORNING SESSION.  
7 a.m.—"Big Ben" and announcements.  
7.6 a.m.—Studio music.  
7.10 a.m.—Official weather forecast, rainfall, temperature, astronomical memoranda, shipping intelligence, mail service, commercial news.  
7.55 a.m.—Investment market, mining share market, metal quotations.  
8.35 a.m.—Wool sales, freestuffs 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.

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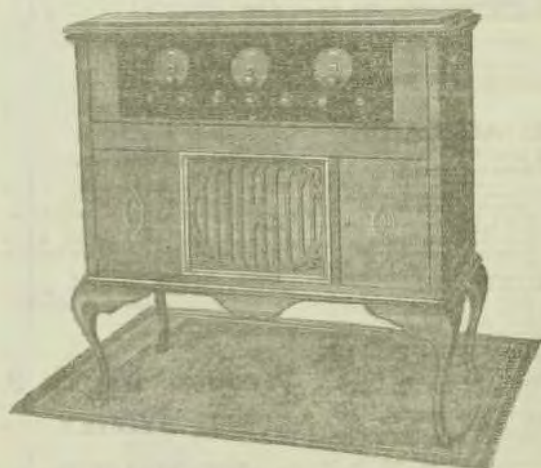
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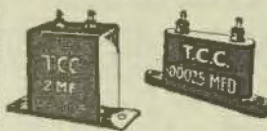


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MORNING SESSION.

- 9.30 a.m.—Marching music for school children.
- 9.40 a.m.—Some popular records.
- 10 a.m.—"Big Ben" and announcements.
- 10.5 a.m.—Late "Sydney Morning Herald" news service.
- 10.15 a.m.—Studio music.
- 10.45 a.m.—Aerial chat.
- 11 a.m.—"Big Ben." Australian Press Association and Reader's Cable Services.
- 11.10 a.m.—Studio music.
- 11.15 a.m.—A talk on home cooking and recipes by Miss Ruth Parry.
- 11.50 a.m.—Marching music for school children.
- 11.55 a.m.—Close down.

MIDDAY SESSION.

- 12 a.m.—"Big Ben" and announcements.
- 12.15 p.m.—Stock Exchange, first call.
- 12.3 p.m.—Studio music.
- 12.20 p.m.—Miss Hilda Nelson, Mezzo.
- 12.25 p.m.—Pian-forte solo.
- 12.40 p.m.—Some popular records.
- 12.50 p.m.—Rugby wireless news.
- 12.55 p.m.—Miss Hilda Nelson, Mezzo.
- 1 p.m.—"Big Ben." Weather intelligence.
- 1.3 p.m.—"Evening News" midday news service. Producers Distributing Society's Report.
- 1.15 p.m.—FROM THE CONGREGATIONAL CHURCH, PITT STREET, SYDNEY. An Organ Recital by Miss Lilian Frost.
- 2 p.m.—"Big Ben." Stock Exchange, second call. Close down.

AFTERNOON SESSION.

- 2.30 p.m.—Programme announcements.
- 2.45 p.m.—A Violin Recital by the pupils of Mr. Herman Willis. "Rondino" (Bethoven-Krassler).
- 3.00 p.m.—"Nocturne in D" (Chopin).
- 3.15 p.m.—"Mendelssohn" (Mendelssohn).
- 3.24 p.m.—"Klezmer" (Harker).
- 3.35 p.m.—"Big Ben." A Studio Reading.
- 3.45 p.m.—Further items from the Youth Recital arranged by Mr. Herman Willis. "Cradle Love" (Borshig).
- 3.50 p.m.—"Bacareole" (Tschaiakowsky).
- 3.58 p.m.—"Tambourine" (Krieger).
- 4.00 p.m.—Marching music for school children.
- 4.10 p.m.—FROM FARMER'S TEA ROOMS. Miss Olga Brigg, Soprano. "The Woodpecker" (Lehmann).
- 4.35 p.m.—Studio music.
- 4.45 p.m.—Miss Eva Marx, Elocutionist. "The Eldest of the Family" (Anon).
- 4.50 p.m.—FROM FARMER'S TEA ROOMS. Miss Olga Brigg, Soprano. "Where the Bee Sucks" (Anon).
- 4.55 p.m.—Studio music.
- 4.59 p.m.—A reading.
- 4.50 p.m.—FROM FARMER'S TEA ROOMS. Miss Mery Holliday, Contralto. "Some Quiet Day" (Hiby).
- 4.55 p.m.—Stock Exchange, third call.
- 4.55 p.m.—Close down.

EARLY EVENING SESSION.

- 5.35 p.m.—"The Chimney of J.P.C."
- 5.50 p.m.—"The Hello Man" talks to the children, assisted by "Jerry."
- 5.49 p.m.—Dinner music.
- 7 p.m.—"Big Ben." Late sporting news.
- 7.10 p.m.—Dalgety's Market Report (wheat, wool, stock).
- 7.15 p.m.—Fruit and vegetable markets.
- 7.50 p.m.—Weather and shipping intelligence. Stock Exchange information.
- 7.55 p.m.—Late "Evening News" news service.

NIGHT SESSION.

- 7.45 p.m.—Programme announcements.
- 7.55 p.m.—Some new Records.
- 8 p.m.—"Big Ben." FROM THE LYRIC WINTER GARDEN THEATRE, SYDNEY. Jimmy Elkin's Orchestra, with the Grand Organ.
- 8.15 p.m.—FROM THE STUDIO. Miss Dorothy Dewar, Soukrette.

- 8.20 p.m.—Bond's Band, conducted by Mr. Harry Gratio. Selection, "Il Trovatore" (Verdi).
- 8.32 p.m.—Mr. Ernest Archer, Tenor. "Little Green Balcony" (Coster).
- 8.35 p.m.—Bond's Brass Band, conducted by Mr. Harry Gratio. (a) Fox Trot, "On the Riviera" (Hazel). (b) March, "Brilliant" (Husse).
- 8.48 p.m.—Miss Dorothy Dewar, Soukrette.
- 8.55 p.m.—Bond's Brass Band. (a) Valze, "Calling" (Lundquist). (b) March, "Belavus" (Greenwood).
- 9 p.m.—"Big Ben." Mr. Ernest Archer, Tenor. "As You Pass By" (Bussell).

FROM THE LYRIC WINTER GARDEN THEATRE.

- 9.4 a.m.—FROM THE LYRIC WINTER GARDEN THEATRE. Jimmy Elkin and his Synopators.
- 9.25 p.m.—FROM THE STUDIO. Miss Dorothy Dewar, Soukrette.
- 9.30 p.m.—Bond's Brass Band, conducted by Mr. Harry Gratio. (a) Fox Trot, "Naturally" (Finlay). (b) Cornet Polka, "Lizzie" (Hartmann).
- 9.44 p.m.—A talk from the Studio.
- 9.55 p.m.—Mr. Ernest Archer, Tenor. "Goodnight, Beloved" (Hiby). "Brown Eyes I Love" (Coster).

FROM THE LYRIC WINTER GARDEN THEATRE, LYBIC.

- 10 p.m.—"Big Ben." FROM THE LYRIC WINTER GARDEN THEATRE, LYBIC. Jimmy Elkin's Jazz Band.
- 10.10 p.m.—FROM THE STUDIO. Mr. Sydney Calland, Baritone. (a) "Wait for Me" (Matheson). (b) "Little Irish Girl" (Anon).
- 10.15 p.m.—Orchestral items from the Lyric Winter Garden Theatre, Sydney.
- 10.30 p.m.—FROM THE STUDIO. Mr. Sydney Calland, Baritone. (a) "I Never Know" (Hiby). (b) "Phil the Philist" (Froeh). 10.35 p.m.—The Westwork Symphonic Dance Orchestra, conducted by Mr. Sydney Simpson.
- 10.50 p.m.—Celestette Records from the Studio.
- 11 p.m.—"Big Ben." Late news and announcements.
- 11.25 p.m.—The Westwork Symphonic Dance Orchestra in popular numbers until midnight.
- 11.30 p.m.—"Big Ben." National Anthem. Close down.

2BL, SYDNEY

Wednesday.

EARLY MORNING SESSION.

- 7.15 a.m.—G.P.O. Clock and chimes.
- 7.45 a.m.—Musical programme from the Studio.
- 7.59 a.m.—Physical training and health exercises.
- 8.25 a.m.—Hints on health.
- 8.50 a.m.—Physical training and health exercises.
- 9.05 a.m.—Weather report.
- 9.10 a.m.—G.P.O. Clock and Chimes.
- 9.15 a.m.—Weather report.
- 9.45 a.m.—Sporting information.
- 9.50 a.m.—Broadcasters' special news service.
- 9.55 a.m.—G.P.O. Clock and Chimes close down.

MORNING SESSION.

- 11 a.m.—G.P.O. Clock and chimes.
- 11.1 a.m.—Weather report.
- 11.3 a.m.—Musical programme from the Studio.
- 11.5 a.m.—Sydney "Daily Telegraph" news service.
- 11.15 a.m.—Rabbit 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.—London Metal quotations.
- 11.30 a.m.—Ships in call by wireless.
- 11.35 a.m.—Information re Inter-State and overseas mails.
- 11.34 a.m.—Shipping information: arrivals and departures.
- 11.35 a.m.—WOMEN'S SESSION—Miss Vary, Broadcaster's Women's Sports Authority, will speak on

- 11.45 a.m.—Special notes by Mrs. Jordan.
- 11.55 a.m.—Mrs. Jordan replies to correspondence.
- 12.3 p.m.—Talk on "Cerebro-Spinal Neuritis—Infantile Paralysis," by Dr. E. J. Morris.
- 12.40 p.m.—G.P.O. Clock and Chimes.
- 12.51 p.m.—Sydney Stock Exchange Calls.
- 12.55 p.m.—News from the "Sun."
- 12.55 p.m.—Musical programme from the Studio.
- 1 p.m.—G.P.O. Clock and chimes.
- 1.1 p.m.—Pianoforte Letters Recital by Mr. Arnold K. Mies, B.A., Broadcast from the Fire Art Gallery, Anthony Hardens.
- 1.10 p.m.—News from the "Sun."
- 1.30 p.m.—Sydney Stock Exchange calls.
- 2 p.m.—G.P.O. Clock and chimes.
- 2.4 p.m.—Weather report and forecast.
- 2.5 p.m.—Special notes from the "Sun."
- 2.55 p.m.—Musical programme from the Studio.
- 3.03 p.m.—Having resume.
- 3.20 p.m.—G.P.O. Clock and chimes.
- 3.31 p.m.—Having resume.
- 3.35 p.m.—News from the "Sun."
- 3.35 p.m.—Musical programme from the Studio.
- 3.45 p.m.—News from the "Sun."
- 4 p.m.—G.P.O. Clock and chimes.
- 4.1 p.m.—Musical programme from the Studio.
- 4.15 p.m.—Aerial glory.
- 4.30 p.m.—G.P.O. Clock and chimes.
- 4.31 p.m.—Musical programme from the Studio.
- 4.43 p.m.—Producing Distributing Society's Vegetable and Fruit market report.
- 4.45 p.m.—Shipping information when available.
- 4.50 p.m.—Days racing resume.
- 4.55 p.m.—News from the "Sun."
- 4.55 p.m.—Resume of night's programme.
- 5 p.m.—G.P.O. Clock and chimes. Close down.

EARLY EVENING SESSION.

- 5.35 p.m.—G.P.O. Clock and chimes.
- 5.45 p.m.—Dale George and the Kuddies.
- 5.50 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 Govt. Meteorologist. Producers Distributing Society's Fruit and Vegetable market report. Stock Exchange reports. Grain and Poultry reports (7.40 p.m.).
- 7.15 p.m.—Country news from the "Sun."
- 7.30 p.m.—Talk on "Bunko, Wits and Tricks."
- 7.45 p.m.—Mr. Haines will lecture on "The Tour of the Remains, and its significance to the Trade."
- 7.55 p.m.—WEDNESDAY, 4th March, 1927.
- 8 p.m.—G.P.O. Clock and chimes. Broadcast music. Topical chorus.
- 8.3 p.m.—Mr. David Smith (Baritone).
- 8.40 p.m.—Mr. Harold McCulloch (Elocutionist of the piece).
- 8.57 p.m.—Mr. S. Christensen will talk on "Childhood a True Love Lesson."
- 9.07 p.m.—Mr. Marshall Lawrence (Drama Profunda).
- 9.03 p.m.—Resumé of following day's programme: weather report and forecast by Meteorologist; Mr. C. J. Marx, Government Meteorologist.
- 9.1 p.m.—G.P.O. Clock and chimes.
- 9.2 p.m.—Miss Gladys Veronia (Soprano).
- 9.27 p.m.—Pianoforte solo.
- 9.35 p.m.—Mr. Harold McCulloch (Tenor).
- 9.35 p.m.—Mr. Harold McCulloch.
- 9.45 p.m.—Mr. David Smith.
- 9.42 p.m.—Broadcasters' talk.
- 9.55 p.m.—Mr. Marshall Lawrence.
- 10.3 p.m.—Mr. Albert Jones.
- 10.10 p.m.—The Ambassadors Dance Band, broadcast from the ballroom of the Ambassadors during the intervals between dances, new "Tender" by courtesy of the "Sun" will be broadcast.
- 11 midnight—G.P.O. Clock and chimes. National Anthem.

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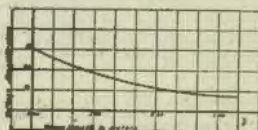
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## 2GB, SYDNEY

Wednesday.

## MORNING SESSION.

- "Cheerio Hour," conducted by the Cheerio Club.  
 8.30 a.m.—Cheerio talk, by Mr. J. K. Powell.  
 8.45 a.m.—Music.  
 9.30 a.m.—Psychological class.  
 10.05 a.m.—Music.  
 10.15 a.m.—Biographical talks for schools.  
 10.25 a.m.—Music.  
 10.30 a.m.—Close down.

## AFTERNOON SESSION.

- 3.30 p.m.—Music, news and notes.  
 3.45 p.m.—Piano solo, Miss R. Pearce Jones.  
 4.40 p.m.—The stars and their meaning, Mrs. Parker.  
 4.5 p.m.—Music from Studios.  
 4.10 p.m.—Miss L. Barnes.  
 4.30 p.m.—The Children's Session, conducted by the Cheerio Club.  
 4.45 p.m.—Popular song numbers, vocal, piano and gramophone.  
 4.55 p.m.—Psychology.  
 5.00 p.m.—Announcements.  
 5.55 p.m.—Songs, by Ethel Jones.  
 2. "Suzanne."  
 8.5 p.m.—Address by Prof. Ernest Wood.  
 8.15 p.m.—Duets for two violins, Dan Scully, Monica Herder.  
 8.25 p.m.—Piano solos by Ada Brook.  
 8.35 p.m.—2GB Vocal Quartette:  
 1. "Sweet merry, merry zinging bee."  
 2. "Autumn Winds."  
 3. "O, Bacteria from the busy town."  
 Ethel Jones, Sibyl Bevan, Thos. Hall, Clement Hosking.  
 8.45 p.m.—Violin solos by Monica Herder.  
 8.55 p.m.—Songs by Clement Hosking.  
 1. "At the well" (Hagmann).  
 2. "In summertime in Brooklyn."  
 9 p.m.—Announcements.  
 9.10 p.m.—Duets for two violins, with piano accompaniment, Dan Scully, Monica Herder, Ada Brook.  
 9.15 p.m.—Typical talk.  
 9.25 p.m.—2GB Vocal Quartette:  
 1. "The harp that once played Tara's Hall."  
 2. "Land of my Fathers."  
 3. "Auld Lang Syne."  
 Ethel Jones, Sibyl Bevan, Thomas Hall and Clement Hosking.  
 9.45—Violin Solos by Dan Scully.  
 9.60 p.m.—Songs by Clement Hosking:  
 1. "Wind of the Western Sea."  
 2. "Eiderdove" (Malinska).  
 9.55 p.m.—"Cheerio" talk.  
 10 p.m.—"Great Thoughts from Great Minds."

## 3LO, MELBOURNE

Wednesday.

## MIDDAY SESSION.

- Announcer ..... ALFRED ANDREW  
 Accompanist ..... AGNES FORTUNE  
 11 noon.—Fifth Signal, British Official Wireless News from Rugby, Reuters and the Australian Press Association Cables.  
 "Argus" and "Herald" news service.  
 12.15 p.m.—Stock Exchange information.  
 12.20 p.m.—Continuation of News Service.  
 12.25 p.m.—JOE ARONSON & HIS SYNO-COPATING SYMPHONISTS:  
 "Hi, Ho the Hero" (Brown).  
 "You Need Someone to Love" (Lison).  
 "I Made You Happy" (Donaudon).  
 12.40 p.m.—SIDNEY BURCHALL, baritone:  
 "Come Around the Corner."  
 "Babe with Service."  
 12.45 p.m.—JOE ARONSON AND HIS SYNO-COPATING SYMPHONISTS:  
 "Home" (Britt).  
 "I Want a Partner for Daddy" (Hogan).  
 "The Hunch, The Ounce Charlie" (Meyer).  
 12.55 p.m.—MAGGIE FOSTER, violin:  
 "Korvival" (Wiedowah).  
 "An Old English Air."

- 1.4 p.m.—JOE ARONSON AND HIS SYNO-COPATING SYMPHONISTS:  
 "St. Louis Blues" (Handy).  
 "Sad" (Gordon).  
 "Speech" (Friend).  
 "Some Other Bird Whistled a Tune" (Bryan).  
 1.14 p.m.—WEATHER REPORTS.  
 1.24 p.m.—JOE ARONSON AND HIS SYNO-COPATING SYMPHONISTS:  
 "While the Years Go Drifting By" (Baker).  
 "Coxon's Piano" (Giffney).  
 "THE SERENADER QUARTETTE."  
 1.34 p.m.—SIDNEY BURCHALL, baritone:  
 "Wormin, O' Wormin" (Phillips).  
 "My Kid" (Dash).  
 1.41 p.m.—JOE ARONSON AND HIS SYNO-COPATING SYMPHONISTS:  
 "Moonlight on the Tanges" (Wallace).  
 "That Night in Araby" (Snyder).  
 "On the Riviera" (Rich).  
 1.51 p.m.—MAGGIE FOSTER, violin:  
 "Paloma."  
 "Popular Choruses."  
 2 p.m.—Close down.  
 2.15 p.m.—Description of Trial Water, Sandown Races, by "Musket," of the "Sporting Globe."  
 2.45 p.m.—Description of the Grand Steeple, Sandown Races, by "Musket," of the "Sporting Globe."

## AFTERNOON SESSION.

- Announcer ..... ALFRED ANDREW  
 Accompanist ..... AGNES FORTUNE  
 3 p.m.—STUDIO ORCHESTRA:  
 "Johanna" (Arr. Giffney).  
 3.10 p.m.—HUXHAM'S SERENADERS:  
 EDITH HUXHAM, DOLLY BURBETT,  
 RENN MILLAR and RUGH HUXHAM.  
 3.15 p.m.—Description of Sandown Plate Sandown Races, by "Musket," of the "Sporting Globe."  
 3.20 p.m.—HUGH HUXHAM'S SERENADERS:  
 Tenor, "Old Pal."  
 RUGH HUXHAM,  
 Studio Orchestra, "The Broken Hearted Sparrow" (Bondis).  
 Duett, "Over the Garden Wall."  
 EDITH and RUGH HUXHAM  
 Humorous Quartet, "514 Mother Hubbard"  
 SERENADER QUARTET.  
 C. Richard Chapp, Soloist.  
 "Dance of the Blessed Spirits" (Gluck).  
 Operatic Quartet, "Dreams of Home" (Kreisel).  
 SERENADER QUARTETTE.  
 3.25 p.m.—STUDIO ORCHESTRA:  
 "Lockney Solo"—Dance of London Life, Part I.  
 3.45 p.m.—Description of Sandown Park Handicap, by "Musket," of the "Sporting Globe."  
 3.50 p.m.—JONES AND RAINE:  
 Duett, "Gay Home in the West."  
 Parody, "Popular Songs."  
 4 p.m.—BESSIE GAINSON, violin:  
 "Poinciana" (Hamm).  
 4.7 p.m.—OSBORNE AND PERRYER:  
 Mirthful Moments.  
 4.10 p.m.—Description of Sandown Steeple, by "Musket," of the "Sporting Globe."  
 4.20 p.m.—STUDIO ORCHESTRA.  
 "Cockey Suits"—Part I.  
 4.30 p.m.—SISTER PECK:  
 "Mothercraft."  
 4.45 p.m.—Description of Jumper's Flat Race, Sandown Steeple, by "Musket," of the "Sporting Globe."  
 4.50 p.m.—"Herald" news service, Stock Exchange information.  
 5 p.m.—Close down.

## EVENING SESSION.

- 8.40 p.m.—CHILDREN'S HOUR:  
 Answers to letters and birthday greetings.  
 8.55 p.m.—STUDIO ORCHESTRA:  
 "The Little Clock on the Mantle" (Wheeler).  
 9.2 p.m.—MARY, MARY, QUITE CONTRARY:  
 "The Lullaby."  
 9.9 p.m.—HUXHAM'S SERENADERS:  
 "You Sing, 'In 1904.'"

## "THE SERENADER QUARTETTE"

- "Lullaby."  
 THE SERENADER QUARTETTE.  
 4.16 p.m.—STUDIO ORCHESTRA:  
 "Childhood Memories" (Somers).  
 4.20 p.m.—HUXHAM'S SERENADERS:  
 "The Little Stream."  
 4.23 p.m.—MARY, MARY, QUITE CONTRARY:  
 "King Arthur and His Wonderful Sword."  
 4.30 p.m.—"Argus" and "Herald" news service, "Weather and Aerial Mail information by the Australian Aerial Services, Ltd."  
 4.43 p.m.—Stock Exchange information, Overseas shipping.  
 4.52 p.m.—Fish Market reports by J. R. Bockett, Ltd.  
 4.55 p.m.—River reports.  
 4.58 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd. Haymarket Show sales, Poultry, Grain, Hay, Straw, Jute, Dairy Produce, Potatoes and Onions.  
 7.8 p.m.—Market prices of Oranges and Lemons, by the Victorian Central Citrus Association. Fruit Market reports by the Victorian Wholesale Fruitlers' Association, supplied by "The Fruit World," exclusive to 3LO.

## NIGHT SESSION.

- Announcer ..... MAURICE DUDLEY  
 Accompanist ..... AGNES FORTUNE  
 7.15 p.m.—Under the auspices of the Department of Agriculture, Mr. H. W. DAVEY, Chief Orchard Supervisor:  
 "Selection and Preparation of Site for an Orchard."  
 7.30 p.m.—MR. J. HOWLETT ROSS:  
 "H.M.A.S. Sydney."  
 7.45 p.m.—CAPT. PETERS:  
 "Books, Wise and Otherwise."  
 "The Exhibition."  
 8 p.m.—COLLINGWOOD CITIZENS' BAND:  
 Overture, "Lustiel."  
 March, "Death and Glory."  
 8.10 p.m.—JONES AND RAINE:  
 Duett, "A Little More Soda in Miasa."  
 Humus, "Phonia," "Scottish Medley."  
 8.20 p.m.—COLLINGWOOD CITIZENS' BAND:  
 Intermezzo, "After Sunset."  
 Overture, "First a Cottage Small."  
 FROM THE STUDIO.  
 8.32 p.m.—OSBORNE AND PERRYER:  
 Cockney Comedy Canon.  
 8.42 p.m.—MAGGIE FOSTER, violin:  
 "Serenade" (Touss).  
 "Liedelien" (Kreisel).  
 8.50 p.m.—GEO. HYDE, Australia's Normal One and Three Mile Australian Champion, Five and Ten Mile Victoria Champion—Australian Record Holder:  
 "Training for Retaining Championship Honors."  
 9.5 p.m.—HARRY GOULD, Comedian:  
 Song, "Who am I?"  
 A. Cedar Number.  
 9.12 p.m.—COLLINGWOOD CITIZENS' BAND:  
 Cornet solo, "Schubert's Serenade."  
 J. BRAWWELL,  
 Mellophone, "Mazine Artillery."  
 9.22 p.m.—MARIE LE VARRE, soprano:  
 "Waiting for the Moon."  
 "Tell Her I Love Her on the Radio."  
 9.30 p.m.—THE VICTORY THEATRE ORCHESTRA, under direction of M. Barrie, transmitted from the Victory Theatre, St. Kilda.  
 10.45 p.m.—"Argus" news service, British official wireless news from Rugby, Melbourne information, Announcements.  
 11 p.m.—OUR GREAT THOUGHT:  
 "Act well at the moment, and you have performed a good action to all eternity."  
 LAVATER.  
 11.1 p.m.—JOE ARONSON AND HIS SYNO-COPATING SYMPHONISTS:  
 "Idolizing" (West).  
 "Nobody but You" (O'Hagan).  
 "Some Hawaiian Songs" (O'Hagan).  
 "Doe on the Plains" (Shapiro).  
 "Lonesome and Sorry" (Davis).  
 "Do You Believe in Dreams" (Britt).  
 "Crying for the Moon" (Conley).  
 "There Never was a Pal like You" (O'Hagan).

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The valve with two lives

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	G.P.2	P.V.2	P.V.2. (1-Watt)
Resistance Coupling			
		*R.C.2.	P.V.1. (1-Watt)

\*The anode resistance used should not be less than 1-5 megohms.

**NEW!** Ediswan 1-Watt valves, the latest productions of the Ediswan laboratories have arrived in Australia, worthily 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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G.P.2	13/4
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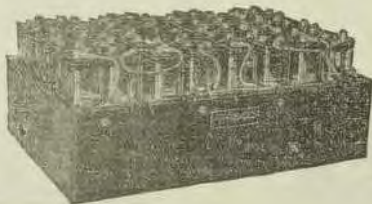
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IN  
THE  
WORLD

S. D.



### A Chat on Royalty

Why do I intend to get up with the chickens on the day the Duke and Duchess arrive? Loyalty, of course, but something more—personal interest!

I have read so much about them that they are like old friends paying a visit, and I dearly wish to see them in the flesh.

We all have the same feeling about Royalty, when the representative is full of kindness, human nature and smiles.

I could cheer the Prince of Wales once a week for a year, because he is my ideal of a good sport, and I expect to feel the same way in regard to the simple-hearted sweet folk on their way here.

In the long run it isn't only the title which interests me, but the true manhood and womanhood it covers. When the two combine, why I set my alarm clock for 4 a.m., and put some throat lozenges in my pocket as an insurance against the cheerful noise I intend to make.

Take that King of all batteries—the Royal Philco. When I met it at the Radio Show in the section devoted to the lines of New System Telephones Pty., Ltd., I felt that I should lift my hat to a genuine thing, to quality as well as title.

Merely calling this great rechargeable radio battery the King of all is not enough for me. If I did not know that it deserved the title because of its magnificent service, long life and economical running, I should not give it a second thought.

The question is always: What is concealed behind the title?

Ask any Philco user and he will tell you that he has saved pounds a year by throwing away his ordinary dry batteries and installing a battery which he can recharge at home for a few pence every three or four months.

And now that you can buy a Philco 83X on easy terms from New System Telephones Pty., Ltd., 280 Castlereagh Street, Sydney, there is no earthly reason why you should not install the King of Batteries on its throne in your home and your affections.

7.18 p.m.—Fruit and vegetable markets.  
7.20 p.m.—Shipping and weather intelligence.  
Stock Exchange.  
7.26 p.m.—Late "Evening News" news service.

## NIGHT SESSION.

7.40 p.m.—Programme announcements.  
7.45 p.m.—A talk by the Technical Editor of "Wireless Weekly."  
8 p.m.—"Big Ben" FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY.  
8.12 p.m.—FROM THE STUDIO:  
Miss Alice Frowse, Contralto:  
(a) "A Laurent."  
(b) "Unfaithful of the Room."

8.20 p.m.—The Metropolitan Band, conducted by Mr. John Palmer:  
(a) March, "Chef D'oeuvre" (Bulch).  
(b) Selection, "Lucia" (Donizetti).

8.25 p.m.—Rock Reviews by Mr. Gratton Smith.  
8.47 p.m.—The Metropolitan Band:  
Overture, "Souvenir of Spain" (Rimmer).

8.57 p.m.—Mr. Nieman Leslie, Comedian.  
9.2 p.m.—Mr. Cliff Arnold, Novelty Pianist:  
(a) "Crying for the Moon" (Conley).  
(b) "Just a Bird's Eye View" (Donaldson).  
(c) "Precious" (Whiting).

9.12 p.m.—The Metropolitan Band:  
Fantasia, "Scotland" (Lees).  
9.20 p.m.—Miss Alice Frowse, Contralto:  
"If These were Dreams to Sell"

9.24 p.m.—The Metropolitan Band:  
Grand March, "Land of Hope and Glory" (Eagar).

9.32 p.m.—FROM THE CRYSTAL PALACE THEATRE, SYDNEY: Items by the "Big Four" Vocal Act; in conjunction with the Promoters to the new film, "The Betsey Cole."

9.42 p.m.—FROM THE STUDIO:  
The Metropolitan Band:  
"Maid of the Mountains" (Simson).

9.48 p.m.—Miss Alice Frowse, Contralto:  
"When Night Descends" (Rachmaninoff).

9.58 p.m.—The Metropolitan Band:  
Selection, "Beauties of England No. 2" (Newton).

10.5 p.m.—Mr. Cliff Arnold, Novelty Pianist:  
(a) "Zemler."  
(b) "In a Little Garden."  
(c) "Lomely."

10.18 p.m.—Items by the Crystal Palace Theatre Orchestra.  
10.23 p.m.—FROM THE STUDIO:  
Mr. Norman Leslie, Comedian.

10.30 p.m.—The 2FC Studio Dance Band.  
10.42 p.m.—Late news and announcements.  
10.45 p.m.—Mr. Lisle Pearce, Xylophone solo.  
10.53 p.m.—Celebrity records.

11 p.m.—"Big Ben" The 2FC Dance Band, conducted by Mr. Eric Pearce, and the popular baritone, Mr. Len Maurice. In items until midnight.

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

## 2BL, SYDNEY

## Thursday.

## EARLY MORNING SESSION.

7.15 a.m.—G.P.O. Clock and Chimes.  
7.18 a.m.—Musical programme from the studio.  
7.40 a.m.—Physical training and health exercises.

7.50 a.m.—Hints on health.  
7.55 a.m.—Physical training and health exercises.

8.05 a.m.—G.P.O. Clock and Chimes.  
8.40 a.m.—Weather report and forecast.  
7.48 a.m.—Sporting information.

7.50 a.m.—Broadcasters' special news service.  
9 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.  
10.13 a.m.—Musical programme from the Studio.  
10.24 a.m.—News service from the "Daily Telegraph."

10.35 a.m.—Musical programme from the Studio.  
10.39 p.m.—Ten minutes' talk supplied by the N.I.C.M.  
11 a.m.—G.P.O. Clock and Chimes.  
11.1 a.m.—News from the "Daily Telegraph."

11.15 Rabbit Market report.  
11.17 a.m.—Fish Market report.  
11.19 a.m.—Vegetable Market report.  
11.21 a.m.—Fruit Market report.  
11.23 a.m.—London Dairy Farm, Egg and Poultry Market report.

11.28 a.m.—London Metal quotations.  
11.29 a.m.—Ship in "all by wireless."  
11.31 a.m.—Information re Interstate and Overseas Mail.

11.33 a.m.—Shipping information; arrivals and departures.  
11.35 a.m.—Women's Session. Social Notes by Mrs. Jordan.

11.45 a.m.—Mrs. Jordan replies to correspondents.  
11.45 a.m.—Talk on "Renovating Furniture," by Mrs. Jordan.

12.20 a.m.—Musical programme from the Studio.  
12.20 p.m.—G.P.O. Clock and Chimes.

12.41 p.m.—Sydney Stock Exchange Closes.  
12.55 p.m.—"Six" Newspaper news service.  
12.45 p.m.—Hillier's Instrumental Quartet, direction, Cyril Costling.

1.30 p.m.—G.P.O. Clock and Chimes.  
1.31 a.m.—Weather report.

1.33 p.m.—Sydney Stock Exchange Closes.  
1.36 p.m.—News from the "Sun."  
1.45 a.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.

3.1 p.m.—Weather report and forecast.  
3.3 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.  
3.45 p.m.—Musical programme from the Studio.

4 p.m.—G.P.O. Clock and Chimes.  
4.1 p.m.—News from the "Sun."  
4.15 p.m.—Serial Story.

4.30 p.m.—Musical programme from the Studio.  
4.41 p.m.—Producers' Distributing Society's Vegetable and Fruit Market report.

4.50 p.m.—Shipping information when available.  
4.55 p.m.—News from the "Sun."

4.58 p.m.—Remains 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.—Little Willie and Daddy Long Legs will entertain the Fiddlers.  
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 Govt. Meteorologist. Stock Exchange reports.  
Producers' Distributing Society's Vegetable and Fruit Market report.

Grain and Poultry report ("Sun").  
Daily Produce Report ("Sun").  
3.15 p.m.—Country news from the "Sun."

3.40 a.m.—Mr. Champion, of the Australian Astronomical Association, will speak from the Studio.  
4 p.m.—G.P.O. Clock and Chimes.

4.10 p.m.—G.P.O. Clock and Chimes.  
4.11 p.m.—Mr. Jack Wright (jazz pianist).  
4.13 p.m.—Mr. Herbert C. Hinchcliffe (historian).

4.20 p.m.—Fashion and Social Notes broadcast by the Bolshoi of the Ambassadors.  
4.25 p.m.—Miss Ida Leggett (contralto).  
4.32 p.m.—Kinsley and Graham (comedy and harmony).

4.47 p.m.—Miss Dillie Darcy (soubrette).  
4.54 p.m.—Resume of following day's programme. Weather report and forecast, by courtesy of Mr. C. J. Mares, Govt. Meteorologist.

5 p.m.—G.P.O. Clock and Chimes.  
5.1 p.m.—John and Neila Sheen (instrumentalists).

6.21 p.m.—Mr. William Everard (tenor).  
6.24 p.m.—Fashion and Social Notes from The Ambassadors.

6.33 p.m.—Duet: Miss Ida Leggett and Mr. Wm. Everard.  
6.44 p.m.—Mr. Herbert Hinchcliffe.

6.48 p.m.—Interim.  
6.56 p.m.—Miss Ida Leggett.  
6.57 p.m.—Miss Billie Davis.  
10.4 p.m.—Mr. William Everard.

10.11 p.m.—The Ambassadors Dance Band broadcast from the Ballroom of The Ambassadors. During the intervals between dances new reports by courtesy of the "Six," will be broadcast.

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

## 2GB, SYDNEY

## Thursday.

## MORNING SESSION.

"Cheerful Hour," conducted by the Cheerful Man.  
9.30 a.m.—Music.  
9.50 a.m.—Psychological class.

10.1 a.m.—Music.  
10.10 a.m.—Biographical talks for schools.  
10.25 a.m.—Music.

10.30 a.m.—Close down.  
2.50 p.m.—Special music by Mr. Norman Jaramelle.

3.45 p.m.—Criminal types in Shakespeare, by Miss Francis Madden.

## 3LO, MELBOURNE

## Thursday.

Announcer ..... ALFRED ANDREW.  
Accompanist ..... AGNES FORTUNE.

12 noon—Time Signal. British official wireless news from Reuby, Reuters and the Australian Press Association cables.

12.15 p.m.—Stock Exchange information.  
12.20 p.m.—"Argus" and "Herald" news service.  
12.30 p.m.—HUGH HUXHAM'S SERENADES:

Quartet, "Little old Cuckoo Clock" (Scott).  
EIGHT HUXHAM, DOLLY BURDETT,  
REN MILLAR, HUGH HUXHAM.

Contra solo, "Care Mio Ben."  
DOLLY BURDETT.

STUDIO ORCHESTRA:  
"Arabian Serenade" (Otis Langer).  
Song, "Fooler Wedding Bell."

EDITH & HUGH HUXHAM, REN MILLAR.  
Novelty Item, "Alanya" HUGH HUXHAM.

STUDIO ORCHESTRA:  
"Vivier Herbert's Favorites."  
Operatic Quartet, from "Dorothy."

THE SENEKADER QUARTET.  
12.55 p.m.—STUDIO ORCHESTRA:  
"Glimpses of London" Part 1, (Herbert Levy).

1.5 p.m.—MARGORIE VERE, soprano:  
"The Bazaar" (Dol Hibel).  
"Fairings" (Eusthene Martin).

1.18 p.m.—Meteorological information. Shipping intelligence. Weather forecast for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast. River reports.

1.22 p.m.—DOROTHY ROXBURGH, viola:  
"Songs without words, 7 and 9" (Mendelssohn).

1.30 p.m.—SIDNEY BURCHALL, baritone:  
"I heard you go by" (Daniel Wood).  
"Road to Haverley" (Spears).

1.37 p.m.—STUDIO ORCHESTRA:  
"Glimpses of London" Part 2, (Herbert Levy).

1.47 p.m.—MARGORIE VERE, soprano:  
"A little pink potter" (Rubens).  
"My moon" (Peltier).

1.54 p.m.—STUDIO ORCHESTRA:  
"The Gentle Dove" (Dondix).  
2 p.m.—Close down.

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### AFTERNOON SESSION

- Announcer ..... ALFRED ANKREW.  
Accompanist ..... AGNES FORTUNE.
- 2.10 p.m.—STUDIO ORCHESTRA:  
"Festa Suite de Concerti" Part 1. (Coleridge Taylor).
- 3.10 p.m.—JONES AND BAINE, the Welsh Barbers:  
Will tell you how to compose a "Bar Time Song" and will also sing the solo for you at the piano.
- 3.20 p.m.—MISS FRANCES FRASER:  
"English Shrinings," Part 2.
- 3.25 p.m.—STUDIO ORCHESTRA:  
"Festa Suite de Concerti" Part 2. (Coleridge Taylor).
- 3.45 p.m.—OSBORN & PHRYVER:  
In observance of a domestic drama.
- 3.50 p.m.—MARJORIE FOSTER, violin:  
"L'Elfenfant" (Grieg);  
"Spring Song."
- 4.2 p.m.—GEO. WELCH, comedian:  
"What did the poor little maids live up to?"
- 4.12 p.m.—MARRY GOULD:  
A story in two,  
"The Sparrow."
- 4.18 p.m.—STUDIO ORCHESTRA:  
"La Comtessine" (Gibson-Marie).
- 4.30 p.m.—Radio news service,  
Stock Exchange information,  
Acceptances for Cashfield.
- 4.45 p.m.—EVENSING, transmitted from St. Paul's Cathedral.
- 5.00 p.m.—Close down.

### EVENING SESSION

- 5.40 p.m.—CHILDREN'S HOUR.  
Answers to letters and birthday greetings.
- 5.55 p.m.—"MARY GUMERAY" Concert:  
"The Postman called me Tuppenny,"  
"And Matilda's Children."
- 6.5 p.m.—JONES AND BAINE:  
Song, "The Boxer";  
Duet, "Giuseppina Clara's Cross over Cremona."
- 6.15 p.m.—"Mary Conlon":  
Story for the Girls, "Chippendale";  
Story for the Boys, "Jack and the Beanstalk."
- 6.20 p.m.—"Argus" and "Herald" news services.
- Weather reports.  
Shipping movements.
- 6.45 p.m.—Radio Exchange information.
- 6.52 p.m.—Fish market reports.
- 6.55 p.m.—River reports.
- 6.58 p.m.—Market reports by the Victorian Central Office Association Pty., Ltd., of oranges and lemons; Market reports by the Victorian Producers' Co-operative Co., Ltd., Haymarket sheep sales; Poultry, grain, straw, hay, fat, dairy produce, potatoes, and onions. Fruit market reports by the Victorian Wholesale Fruiters' Association, conducted by the "Fruit World," exclusive to S.L.O.

### NIGHT SESSION

- Announcer ..... MAURICE DUDLEY.  
Accompanist ..... AGNES FORTUNE.
- 7.10 p.m.—MR. C. R. LONG, M.A.:  
"From Koshtanko to Venezia Part, with Stravinski in 1909."
- 7.40 p.m.—LES. DOUGL, all-round motor cycle champion of Australia. This "drome" speed feat will explain his fatigue while travelling at 80 miles per hour, and will also give his experiences in high-speed races.
- 7.45 p.m.—MR. E. M. PASCOE:  
"Bowls."
- 8 p.m.—ST. VINCENT DE PAUL'S ORPHAN AGE HAND, Conductor, Mr. Lee Hoffman, (Pious the WIRELESS EXPERIMENT, EM. HERBISON BUILDINGS, Melbourne.  
Selection, "La Traviata" (Verdi).
- 8.10 p.m.—VICTORIA WILSON, soprano:  
"The Star and the Flower" (L. Mascagni);  
"My Task" (Grieg).
- 8.17 p.m.—ST. VINCENT DE PAUL'S ORPHANAGE BAND:  
Extraneous, "I'd Climb the Highest Mountain,"  
"Night."
- 8.24 p.m.—VICTORIA WILSON, soprano:  
"Solweg Song" (Grieg).



- 8.28 p.m.—ST. VINCENT DE PAULS ORPHANAGE BAND.  
Recess Intermission, "Katie's Courtship."  
FROM THE STUDIO.
- 9.34 p.m.—JOE ARONSON AND HIS SYNO. PATING SYMPHONISTS.  
"Dreams of love and you" (Taylor).  
"Save your sorrow" (De Sylva).
- 9.41 p.m.—HARRY GOULD.  
Song, "Nice to meet with people who're on kind."
- 9.45 p.m.—JOE ARONSON AND HIS SYNO. PATING SYMPHONISTS.  
"See it again" (Richman).  
"Paradise Alley" (Archer).  
"While the years go drifting by" (Kahn).
- 9.50 p.m.—MAGGIE FOSTER, violin.  
"Andantino" (Lemare).
- 9.58 p.m.—JOE ARONSON AND HIS SYNO. PATING SYMPHONISTS.  
"Base Colored Glasses" (Sciacia).  
"Am I wasting my Time" (Bibi).  
"It's a wonderful world after all" (Davis).
- 9.8 p.m.—MARJORIE VERE, soprano.  
"Just around the corner" (Diner).
- 9.11 p.m.—JOE ARONSON AND HIS SYNO. PATING SYMPHONISTS.  
"How the Red, Red Robin" (Woods).  
"How could Red Riding Hood" (Bandoigh).  
"My Pal, Jerry" (Rams).
- 9.21 p.m.—OSBORNE AND PEERYER.  
A few minutes' fun.
- 9.27 p.m.—JOE ARONSON AND HIS SYNO. PATING SYMPHONISTS.  
"My cutesy's due at 100 to two, today" (Robin).  
"Just a cottage small" (Hasley).  
"In a little Spanish Town" (Young).
- 9.31 p.m.—MARIE LE VAREE, comedienne.  
"Just a bird's eye view."
- 9.41 p.m.—JOE ARONSON AND HIS SYNO. PATING SYMPHONISTS.  
"I love my Baby" (Warren).  
"Picador" (Nichols).  
"Alabama Stamp" (Cramer).
- 9.51 p.m.—HARRY GOULD.  
"Standing at the corner of the street."
- 9.54 p.m.—JOE ARONSON AND HIS SYNO. PATING SYMPHONISTS.  
"Somebody's Lonely."  
"Pearl of Malabar."  
"The Animal Fair."
- 10.4 p.m.—British official wireless news from Rugby.  
Announcements.
- 10.18 p.m.—JOE ARONSON & HIS SYNO. PATING SYMPHONISTS.  
"In a Hullo Garden."  
"Laughing at the loaves."  
"Thinking of You."
- 10.29 p.m.—MARIE LE VAREE, comedienne.  
"I'd leave ten men like yours to love and snugg like mine."
- 10.33 p.m.—JOE ARONSON & HIS SYNO. PATING SYMPHONISTS.  
"While we floated till dawn."  
"Adorably."  
"Give me today."
- 10.43 p.m.—OSBORNE & PEERYER are here again.
- 10.47 p.m.—JOE ARONSON & HIS SYNO. PATING SYMPHONISTS.  
"I'd think the hushiest mountain."  
"She's everybody's sweetheart."  
"Say that you love me."  
"I've got the girl."
- 11 p.m.—OUR GREAT THOUGHT.  
"A contented heart is an eye, and in the midst of all storms."
- 11.4 p.m.—JOE ARONSON AND HIS SYNO. PATING SYMPHONISTS.  
"Blue Bottom."  
"No foolin'!"  
"Whisper sh!"
- 11.10 p.m.—MARJORIE VERE, soprano.  
"Nightingale of June."
- 11.14 p.m.—JOE ARONSON & HIS SYNO. PATING SYMPHONISTS.  
"After I Say I'm Sure."  
"Where, I love you."  
"Lullaby and story."
- 11.24 p.m.—MARJORIE VERE, soprano.  
"Through's Love Song."

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11.50 p.m.—JOE ARONSON & HIS SYNO-COPATING SYMPHONISTS:  
 "Thoughts at night with Emily"  
 "Tales of the South"  
 "Back where the Daffodils Grow"  
 "Dreamy Hawaii"  
 "Where did you get those eyes?"

## 4QG, BRISBANE

Thursday.

### MIDDAY SESSION.

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

### AFTERNOON SESSION.

2.30 p.m.—A PROGRAMME OF MUSIC FROM THE STUDIO—Duo Art selection, "Lilientraum" (Liszt); Aeolian Vocalion selection: (a) quartette "Honey I Want You Now" (Cool), Victorian Male Quartette; (b) violin "Londonderry Air" (Kreutzer); Mr. Albert Sandier: Duo Art selection "The Rooster" (Nevill); Aeolian Vocalion selection: (a) "The Nightingale and the Frog" (Ellenberg), H.M. Welsh Guards; (b) song "Two Little Cups and Saucers" (Alwyn); Mr. Billy Lindsay: Duo Art selection, "Bowl of Roses" (Clarke); Aeolian Vocalion selection: (a) solo "The Trumpeter" (Dix) Mr. Horace Stevens; (b) orchestral "Medley of Popular Dances" Harry Bodwood's Orchestra; Duo Art selection, "Windmull" (Schumann); Aeolian Vocalion selection—(a) song "Don't You Forget Me" (Bullivant), Mr. Mahlon McEachern; (b) violin duo "Serenade" (Godeau), Adella Fichiri and Jolly D'Aranyi; Duo Art selection, "The Erl King" (Schubert).

4.15 p.m.—"The Telegraph" News.

4.30 p.m.—Close Down.

### EARLY EVENING SESSION.

6.0 p.m.—"Daily Standard" News; Announcements.  
 6.30 p.m.—Balltime Stories by "The Sandmink".  
 7.0 p.m.—Market Reports; Stock Reports; Lectures, "A Talk on Sheep Raising" by Mr. W. G. Brown (Instructor in Sheep and Wool).  
 7.30 p.m.—Weather News; Announcements.  
 7.45 p.m.—Standard Time Signal.

### NIGHT SESSION.

7.45 p.m.—Lecture: Seniors: "Talks on Books," by Mrs. W. A. Brandes.  
 8.0 p.m.—STUDIO CONCERT: The programme will be interspersed with Russian folk songs and church music by the Russian Church Choir (conductor, Mr. Anisimoff), Overture, "Lustspiel" (Kater Beka), Gaety Orchestra; soprano solo, "The Chorus of Spring" (Clara); mezzo-soprano, Mary McNeill; fox-trot, "Then It'll Be Happy" (Friend and Clara); Gaety Orchestra; bass solo, "Where the Great Ships Ride" (Sanderson), Mr. J. P. Cornwell; soprano solo, "Shadow March" (Del Rio); Miss Mildred Bell; monologue, "Just Her Way," Miss Ellen McLennan; mezzo-soprano, "Butterfly Wings" (Phillips); Miss M. E. Bowring; march, "The Cannozade" (Morse), the Gaety Orchestra; humorous monologue, "An Old Romance," Miss Doris Kello; soprano solo, "The Enchanted Forest" (Phillips); Miss Mary McNeill.  
 8.0 p.m.—Metropolitan Forecast; Fox-trot, "I Don't Believe It—But Say It Again" (Riehm); the Gaety Orchestra; mezzo-soprano, "I'll Sing to You" (Thompson), Miss M. E. Bowring; selection, "The Dollar Princess" (Leo Fall); the Gaety Orchestra; soprano, "My Ain Folk" (Leonard), Miss Madge Gough; bass solo, "Reuben Rains" (Coutts), Mr. J. P. Cornwell; musical monologue, "Hans Sweet Home," Miss Doris Kello; soprano solo, "My Bed is Like a Little Boat" (Del Rio); Miss Mildred Bell; cornet solo, "Lodya Polka" (H. Brown); Mr. Brown, accompanied by Gaety Theatre Orchestra; waltz, "There

Never Was a Pal Like You" (J. O'Hagan),  
Gipsy Orchestra; soprano solo, "At Dawn-  
ing" (Clemens), Miss Madge Collins; foxtrot, "Sole Your Sorrow" (De Silver),  
Gipsy Orchestra.  
10.30 p.m.—"The Daily Mail" News; Weather  
News; Close Down.

## SCL, ADELAIDE

Thursday.

### MORNING SESSION.

11.00 a.m.—G.P.O. Chimes.  
11.31 a.m.—Autotone Reproduser recital.  
11.40 a.m.—"Advertiser" news service.  
11.55 a.m.—Sonora recital.  
12 noon—G.P.O. Chimes.  
12.1 p.m.—"Advertiser" news service.  
12.16 p.m.—Autotone Reproduser recital.  
12.26 p.m.—S. C. Ward and Co's Stock  
Exchange reports, official weather prognosis  
and station announcements.  
12.30 p.m.—G.P.O. Chimes.  
12.31 p.m.—Studio orchestra: Selection,  
"Gairfield" waltz, "Twilight on Missouri";  
fox trot, "Boe, Boe, Blackbird"; Chanson  
Sensade, "Le Chant des Boulevards";  
soprano solo, "Home of Mine"; "Two Dances";  
caprice, "Autumn Gold"; Rags, "Sel-  
manava".  
2 p.m.—G.P.O. Chimes; close down.

### AFTERNOON SESSION.

3 p.m.—G.P.O. Chimes.  
3.1 a.m.—Relay from the Maple Leaf Cafe  
Orchestra.  
3.45 p.m.—From the Studio: Autotone Repro-  
duser and Sonora numbers.  
4 p.m.—G.P.O. Chimes.  
4.1 p.m.—Relay from the Arcadia Cafe  
orchestral numbers.  
4.55 p.m.—Stock Exchange reports, general  
information and station announcements.  
5 p.m.—G.P.O. Chimes and close down.

### EVENING SESSION.

6.00 p.m.—G.P.O. Chimes.  
6.21 p.m.—Autotone Reproduser recital.  
6.37 p.m.—Bedtime stories.  
7.15 p.m.—Health talk by Mr. A. M. Whitten-  
bury.  
7.30 p.m.—Reports.  
7.45 p.m.—Pauzler talk by Mr. A. M. Whitten-  
bury.  
8 p.m.—G.P.O. Chimes.  
Relay from Unley Town Hall—R.S.A.  
annual concert given by Duke Concert Co.  
8.50 p.m.—Fruit-bottling talk by fruit expert  
in charge of Fowler's Vacuum bottling  
system.  
8.40 p.m.—Relay from Unley Town Hall.  
9 p.m.—G.P.O. Chimes.  
9.2 p.m.—Dalgely's wheat report.  
9.4 p.m.—Relay from Unley Town Hall.  
10 p.m.—G.P.O. Chimes.  
10.1 p.m.—"Advertiser" news service.  
10.20 p.m.—From the Studio: Vocal numbers  
by Miss G. Cussiona, Miss Gwen Adamson  
(soprano).  
11 p.m.—G.P.O. Chimes, and close down.

## Friday, March 11 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, meteorological, ship-  
ping intelligence, mail services, commercial  
news.  
7.25 a.m.—Investment market, mining share  
market, metal quotations.  
7.35 a.m.—Wool sales, broadstuffs markets.  
7.45 a.m.—Intermediate markets, produce markets.  
7.45 a.m.—"Sydney Morning Herald" news  
service.  
8 a.m.—"Big Ben" Studio music.  
8.15 a.m.—Close down.

### MORNING SESSION.

8.30 a.m.—Marching music for school children.  
8.40 a.m.—Some popular records.  
8.50 a.m.—Pianoforte reproduction on the  
"Dehning" Player Piano.

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10 a.m.—"Big Ben" and announcements.  
 10.5 a.m.—Late "Sydney Morning Herald" news service.  
 10.45 a.m.—Studio music.  
 10.45 a.m.—A serial story.  
 11 a.m.—"Big Ben," Australian Press Association and Radio's Cable Service.  
 11.10 a.m.—Studio music.  
 11.15 a.m.—A talk on home cooking and recipes by Miss Ruth Pym.  
 11.20 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.  
 12.8 p.m.—Studio music.  
 12.50 p.m.—Radio Wireless News.  
 12.55 p.m.—Miss Kathleen Horn, Soprano: "A Little Low Note" (Licht).  
 1 p.m.—"Big Ben" and wireless information.  
 1.8 p.m.—"Evening News" (today's news service).  
 Programmes Distributing Society's Report.  
 1.25 p.m.—Stock Exchange, second call.  
 1.30 p.m.—Marching music for school children.  
 1.40 p.m.—Miss Kathleen Horn, Soprano: "I Ditch My Lovely Caravan" (Coates).  
 1.45 p.m.—Studio music.  
 2 p.m.—"Big Ben" and close down.  
**AFTERNOON SESSION.**  
 2.00 p.m.—Programme announcements.  
 2.05 p.m.—A pianoforte recital arranged by Miss G. D. Barton.  
**MISS JOYCE BOULET:**  
 (a) "Doctor Graduanus Parvamentum" (Debusse).  
 (b) "Requies de Boreman" (Palmgren).  
**MISS PHYLLIS ALMAGE:**  
 "Two Arabesques" (Debussy).  
**MISS JOAN HIGGINS:**  
 (a) "Rhapsody Op. 22" (Schumann).  
 (b) "Pavane" (Brahms).  
**MISS OLIVE SIMPSON:**  
 "Deux Amores" (Liszt).  
 2.15 p.m.—"Big Ben," A studio reading.  
 2.25 p.m.—A pianoforte piece from the pianoforte recital arranged by Miss G. D. Barton.  
**MISS LORNA FOREYTH:**  
 (a) "Legenda" (Albeniz).  
 (b) "Danse de Chiboutie" (Rachmaninoff).  
 (c) "Valse Op. 27" (Chopin).  
**MISS JESSIE HUXTABLE:**  
 "La Pavillon" (Lavallo).  
**MISS BETTY HIGGINS:**  
 "Missa" (Foderovski).  
 2.30 p.m.—Marching music for school children.  
 2.40 p.m.—FROM FARMER'S TEA ROOMS:  
 Miss Alice Kent, Mezzo.  
 "Sweet Lady Mall" (Phillips).  
 2.45 p.m.—Studio music.  
 2.50 p.m.—Miss Eula D'Arce, Soprano:  
 "Butterfly Wings" (Phillips).  
 2.55 p.m.—A popular record.  
 3 p.m.—FROM FARMER'S TEA ROOMS:  
 Miss Jennette Rooney, Contralto.  
 3.00 p.m.—A music talk by Mr. Ernest Chapple.  
 3.05 p.m.—FROM FARMER'S TEA ROOMS:  
 Miss Alice Kent, Mezzo.  
 "Vandula's Song."  
 3.25 p.m.—A popular record.  
 3.30 p.m.—Miss Eula D'Arce, Soprano:  
 "We'll Know We'll Understand" (Heinic).  
 3.35 p.m.—A pianoforte recitation on the "Debussy" Clarinet Piano.  
 3.40 p.m.—FROM FARMER'S TEA ROOMS:  
 Miss Jennette Rooney, Contralto.  
 3.45 p.m.—Stock Exchange, third call.  
 3.48 p.m.—Close down.  
**EARLY EVENING SESSION.**  
 5.45 p.m.—The Chimes of 10C.  
 5.50 p.m.—The "Hello Man" talks to the children.  
 6.15 p.m.—Songs for the little ones, sung by Miss Norah Whittle:  
 1. (a) "Time to Rest" (del Biego).  
 (b) "In Winter I Get Up at Night" (Heinic).  
 2. "A Fairy Wren's Song" (Goodhart).  
 6.30 p.m.—A story for the older ones.  
 6.40 p.m.—Dinner music from Farmer's Tea Dining Hall. Instrumental and vocal pieces under the direction of Mr. Horace Kent.  
 10 a.m.—"Big Ben" and announcements.  
 10.5 a.m.—Late "Sydney Morning Herald" news service.

7 p.m.—"Big Ben." Last minute sporting information by the ZFC Racing Commissioner.  
 7.19 p.m.—Dalgely's Market Reports (Wool, wheat and stock).  
 7.18 p.m.—Fruit and vegetable markets.  
 7.20 p.m.—Weather and shipping intelligence. Stock Exchange.  
 7.25 p.m.—Late "Evening News" news service.

## NIGHT SESSION.

7.40 p.m.—Programme announcements.  
 7.45 p.m.—Some popular records.  
 8 p.m.—FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:  
 Items by the Orchestra.  
 8.12 p.m.—FROM THE STUDIO:  
 Mr. Powell Paulini, Tenor:  
 "Before You Game" (Wilson).  
 8.16 p.m.—Mr. J. Wilkinson, Soprano-cornet solo.  
 8.20 p.m.—Miss Kitty Elliott, Comedienne.  
 8.24 p.m.—A talk on Art Education by the well-known Painter, Danilo Rubbo.  
 8.36 p.m.—Mr. Powell Paulini, Tenor:  
 "Who Knows?" (Ball).  
 8.49 p.m.—Mr. Herbert Walton in a few merry moments.  
 8.48 p.m.—Mr. Cy Peir, Ukulele Troubadour.  
 8.54 p.m.—Mollie Marie Segur, Soprano.  
 9 p.m.—Mr. Montgomery Stuart in a humorous recitation.  
 9.1 p.m.—Mr. J. Wilkinson, Soprano-cornet solo.  
 9.13 p.m.—Mr. Powell Paulini, Tenor:  
 (a) "In an Old-fashioned Town" (Squire).  
 (b) "Star of Me" (Rogers).  
 9.20 p.m.—Mr. Cy Peir, Ukulele Troubadour.  
 9.25 p.m.—FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:  
 Orchestral items, and variety Act.  
 9.35 p.m.—FROM THE STUDIO:  
 Miss Kitty Elliott, Songs at the piano.  
 9.41 p.m.—Mr. Montgomery Stuart, Elocutionist.  
 9.50 p.m.—Mollie Marie Segur, Soprano.  
 9.58 p.m.—Mr. Herbert Walton in a few merry moments.  
 10.5 p.m.—FROM THE LYCEUM THEATRE, PITT STREET, SYDNEY:  
 Items by the Orchestra.  
 10.15 p.m.—FROM THE STUDIO:  
 Mr. J. Wilkinson, Soprano-cornet.  
 10.20 p.m.—Mr. Montgomery Stuart, Elocutionist.  
 10.25 p.m.—Items by the Lyceum Theatre Orchestra.  
 10.46 p.m.—FROM THE WENTWORTH CAPE, SYDNEY: The New Wentworth Symphonic Dance Orchestra, conducted by Mr. Sydney Simpson.  
 10.50 p.m.—Celebrity records from the Studio.  
 11 p.m.—"Big Ben." Late news and announcements.  
 11.5 p.m.—Items by the Wentworth Symphonic Dance Orchestra until midnight.  
 12 midnight—"Big Ben." National Anthem. Close down.

## Saturday, March 12

### 2FC, SYDNEY

## EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.  
 7.5 a.m.—Studio music.  
 7.10 a.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services, commercial news.  
 7.55 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.—"Saber Morning Herald" news service.  
 8 a.m.—"Big Ben." Studio music.  
 8.15 a.m.—Close down.

## MORNING SESSION.

9.30 a.m.—Studio music.  
 9.45 a.m.—Last minute sporting information by the ZFC Racing Commissioner.

# Results Count!

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

WELL, YOU CAN AFFORD IT!!

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

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Table Model (a) . . . £19/10/-  
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 Polished Maple or Oak.  
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Easy Terms. Easy Terms.

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

expressed by all users.

Read over these prices again, then call in and see us. Hear this excellent receiver for yourself. You will be sure to take one home. Prove for yourself the wonderful value.

## Radio & Electrical Supply Co.

40 PITT STREET — (near Quay) — SYDNEY

Phone B1817





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Quality, in an omelette, depends upon what comes out of the egg-shells. You get no more out of a battery than the maker puts inside it. Stuffing counts.

When you see "P. & R." outside a battery, you know that inside it's crammed full of energy. Get a P. & R. and you get capacity—real, valve-working capacity, not somebody's cheerful optimism in amp-hours; you get a battery which stands up to its work; you get the kind of battery which Rolls-Royce fits as standard equipment.

You get, too, a "Dagenite" case which is leak-, shock-, acid- and heat-proof; anti-splash and anti-spray vents; terminals protected from corrosion by petroleum glands; you get a BATTERY. And one which costs no more than the ordinary kind.

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# Mullard

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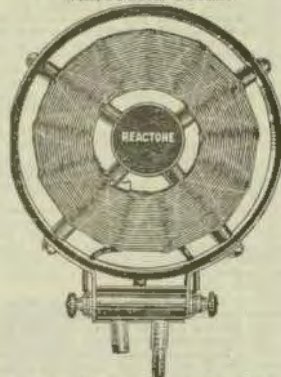
A Representative of Sydney Broadcasting Station 2BL will be in attendance.

## BRANSTON SUPER HET KITS.



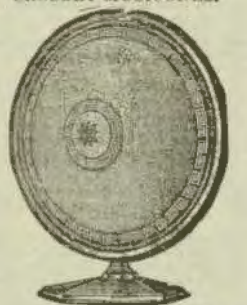
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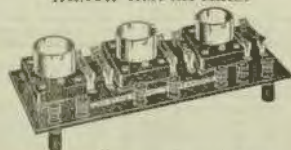
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30 Market Street : : SYDNEY

## Describing Air Stunts

TALKING of 3LO, it is in for a busy season in the near future, and its resources and ingenuity will be tried out to the full. In the first place, on March 12, the meeting of the Victorian Aero Club at Essendon will be fully described through the air, including various hair-raising stunts. I hope that the long experiments made with apparatus to enable continuous broadcasting from an aeroplane will be advanced enough to achieve success. I know that Major Corder's ambition is to do this without a hitch. He hoped to have pulled it off when Cobham arrived, but it was postponed for further tests.

The big strain of the Melbourne station will come with the Duke's visit. In almost every city the descriptions of progresses and functions will be broadcast by skilled men. Speeches at the big formal banquets, the proceedings at the great historic ceremony at Parliament House, Canberra, the singing of Dame Nellie Melba, all these will be brought to the furthest corner of Australia, together with a detailed moment to moment description of the landing at St. Kilda. This will be the greatest task that has so far confronted the big Victorian station. The Duke's speech at Canberra will be relayed all over the Commonwealth, and it is possible that it will be carried to England, so that the King may have the extraordinary experience of hearing his son's voice 13,000 miles away. If the occasion is unique in the Federation, wireless will make it unique in the world.

## TRAVELLERS' TALES.

A friend of mine, Mr. MacRobertson, is just back from his travels. He has been to America and England and has kept a pair of very sharp eyes wide open.

I cannot help thinking that 3LO would be well advised to keep its eyes on the shipping lists, and whenever it sees that a distinguished Australian, wide awake to real things, is home again, it should engage him for a talk. We badly need to be kept abreast of what other countries are doing, and the stories of successful men fresh from their travels would be of incalculable value.

10.15 a.m.—Studio music.  
10.45 a.m.—A serial story.  
11 a.m.—"Big Ben." Australian Press Association and Reuter's Cable Services.  
11.10 a.m.—A popular record.  
11.15 a.m.—A talk on gardening by Mr. G. J. Lockley ("Redgum").  
11.30 a.m.—Close down.

## MIDDAY AND AFTERNOON SESSION.

12.45 p.m.—Programme announcements.  
1 p.m.—"Big Ben." Weather intelligence.  
1.15 p.m.—"Evening News" midday news service. Stock Exchange information.  
1.30 p.m.—Studio music.  
NOTE.—During the afternoon race results from Moonefield, Victoria Park and Warradale will be given, interspersed with items from the Wentworth Symphonic Dance Orchestra and studio numbers.  
4.30 p.m.—Complete resume of the afternoon's sporting events, including cricket, tennis, golf, swimming, yachting and racing.  
5 p.m.—"Big Ben." Close down.

## EARLY EVENING SESSION.

5.45 p.m.—The "Hello Man" will talk to the children.  
6.30 p.m.—A talk to the little ones by Mr. G. B. Duff, Secretary of the R.S.P.C.A.  
6.40 p.m.—Dinner music.  
7 p.m.—A complete resume of the day's sporting events.  
7.15 p.m.—"Evening News" late news service.  
7.35 p.m.—Weather intelligence.

## NIGHT SESSION.

7.40 p.m.—Programme announcements.  
7.45 p.m.—A talk on Sculpture by the well-known Australian artist, Miss Theo Cowen, dealing with "Statues, Pictures and Art Generally."  
8 p.m.—"Big Ben." FROM THE RAILWAY AND TRAMWAY INSTITUTE: The first act of the amusing musical farce, "THE BOY," adapted from Pineto's play, "The Magistrate," and produced by the Railway and Tramway Institute by arrangement with J. C. Williamson Ltd.  
8 p.m.—FROM THE STUDIO:  
Mr. Herbert Forcicus, Tenor Horn solo.  
8.6 p.m.—Miss Dorothy Dewar, Soprano.  
9.11 p.m.—Mr. Arthur Prince, Baritone.  
9.14 p.m.—Results direct from the Speedway Royal.  
9.18 p.m.—Mr. Herbert Forcicus, Tenor Horn solo.  
9.23 p.m.—Mr. Arthur Prince, Baritone.  
9.25 p.m.—FROM THE CHATSWOOD TOWN HALL: Musical items from the second act of "HIGH JINKS," produced by the Kuringgai Operatic Society, conducted by Mr. Arthur Champion.  
ACT 2. Musical numbers:  
Opening Chorus, "I Want to Give My Order," The Company.  
Solo Dance, KENNETH FISHER.  
Song, "Romeo," GWEN SHERWOOD and Chorus.  
Duet, "Chi-Chi," JOYCE FISHER and CLAUDE K. EARLE.  
Duet, "Not now but Later," DOROTHY MEREDITH and STEWART TULLOCK.  
Song, "Tonight's My Night," BERT COOK, Chorus and Ballet.  
Solo Dance, JOYCE FISHER.  
Duet, "She Says It with Her Eyes," GWEN SHERWOOD and HAROLD WATCH.  
Finale, "We're Sorry to Detain You," The Company.  
10.25 p.m.—FROM THE WENTWORTH CAPE: The New Wentworth Symphonic Dance Orchestra, conducted by Mr. Sydney Simpson.  
10.45 p.m.—Miss Dorothy Dewar, Soprano: From the Studio.  
10.45 p.m.—Mr. Arthur Prince, Baritone solo.  
10.55 p.m.—Late news and announcements.  
11 p.m.—"Big Ben." FROM THE WENTWORTH CAPE: The Wentworth Symphonic Dance Orchestra.  
11.20 p.m.—Celebrity records from the Studio.  
11.30 p.m.—The Wentworth Symphonic Dance Orchestra in popular numbers until midnight.  
12 midnight—"Big Ben." National Anthem.  
Close down.





## R.S.P.C.A. Annual Appeal

### "BE-KIND-TO-ANIMALS" WEEK.

"The way was long, the wind was cold" may aptly be said of the fifty-four years' strenuous work of the Royal Society for the Prevention of Cruelty to Animals in New South Wales, but to-day there is a distinct change for the better and the Society wants to see it even better still.

The work is so stupendous. Its ramifications extend to every part of the State, from inspecting travelling stock over thousands of miles of line, to the painless destruction of unwanted or stray dogs and cats, over 8000 of these having been dealt with alone last year in lethal chambers in various parts of the State. The Society's Home for Horses at Little Bay has provided a comfortable spell for over 400 sick or injured workaday horses since its inception six years ago, and it is the aim of the Society to see a branch of the R.S.P.C.A. established in every city, suburb and educational institution in New South Wales.

Such an undertaking, however, needs a steady income, and with the object of augmenting moneys received from subscriptions and donations, it is holding a "Be-Kind-to-Animals" week from March 6 till March 12, when various forms of money-raising entertainments have been arranged all over the State, by which means it is hoped that the work of the Society can not only be carried on successfully, but greatly extended.

### THE WRONG ARTIST.

Beware of the radio enthusiast who can rattle off the names of every song he heard on the radio, the singer, every composition played and the name of the player. Some comical mistakes are made by listeners, who, relying on their memories, tell their friends just what they heard when listening in last night.

An instance of this came under the notice of 2BL a day or two ago. A listener in New Zealand was writing with enthusiasm to say how much he enjoys the Station. "Robert Watson's Song, 'I would that my love,' was just delightful," he remarked, and went on to praise the sentimental ballads which he attributed to Mr. Watson.

The joke, of course, lies in the fact that Mr. Watson is a comedian of the broadest kind, whose delight is such classical humorsities as "The Egg" and "You must not do that,

Naughty Boy." Mr. Watson is a very old hand as a comedian; he was associated with Maggie Moore way in the old days, and the idea of singing a song like, "I would that my love" nearly doubled him up with laughter when he heard of it. The listener had mixed Mr. Watson with Mr. Ray Beatty, the basso, who with Miss Millie Hughes, has been singing duets at 2BL.

### PRICKLY SENSATION.

A tradesman who was installing moth proof gauze at broadcasting station 2BL, Sydney, recently, had a curious experience. The gauze has been placed all round the windows of the station in order to keep out moths which, attracted by the lights, have a bad habit of committing suicide, and until checked, proved themselves a considerable inconvenience to the station engineers. A moth one night actually held up radio listeners who were tuned in on 2BL, there being a break of two or three seconds in the transmission of a concert programme owing to the insect causing a short circuit.

When the mechanic started his job the other day the station was not "on the air," that is, in operation. But after his lunch hour the man discovered that the gauze was a mass of prickles. It looked smooth enough as it was before, but every time he touched it, a tingling sensation ran through his hands. He removed the sheet of gauze to find out what made it so rough and prickly. It certainly looked all right, and the man was still puzzling over the prickly feeling when the Chief Engineer of the Station (Mr. Alboin), informed him that what he supposed to be tiny sharp points was simply an electric shock which he was receiving from the big inductances of the high frequency currents set up by the station.

*The Wireless pleats airt alone,*

*A fortune sunk is he;*

*His harvid deeds must not be known,*

*And though he listens free*

*To song and jazz, the fellow has*

*Moments of Agony . . .*

*But though a job that tears his heart*

*He possibly may fetch,*

*He still pursues his wibled part*

*'Till the abandoned wretch*

*On some sad day is led away*

*To do his seven stretch.*

## Wireless Cabinets

Single ones at Wholesale Prices.  
We build to your own design and finish.  
Send along your requirements to us, and  
we guarantee satisfaction.

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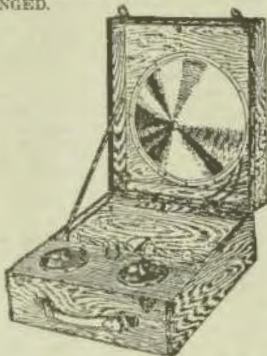
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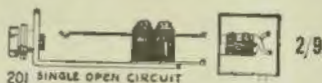
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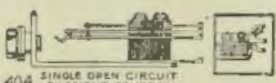
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4/6

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



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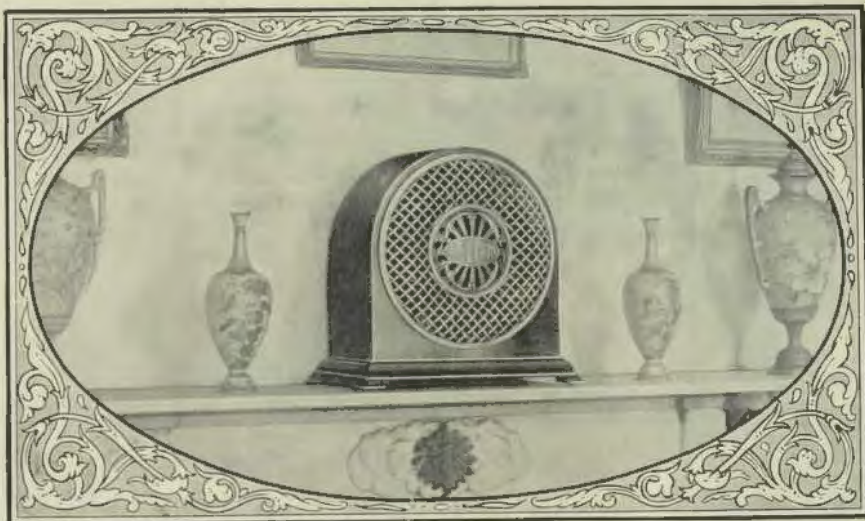
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