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20 JUNE 1927

WIRELESS WEEKLY

Broadcast Programmes a Week in advance

VOLUME 10

Registered at the G.P.O., Sydney, for
transmission by post as a Newspaper.

NUMBER 8



Radio Drama and the Movie Drama

Friday, June 17, 1927.

Price Threepence

UNRIVALLED!

SELECTIVITY, VOLUME, TONE and RANGE

The New UDISCO SUPER-NEUTRODYNE

Embodying the new fundamental principle, developed independently at Elstree, England, and Sydney, Australia, which has excited widespread interest and enthusiasm throughout the wireless world

Australian Patent 20,643/24

U.S.A. Patent 1610915

British and Canadian Patents Pending

Professor NICHOLSON writes:

The Manager, United Distributors, Ltd., 72 Clarence Street, Hunter's Hill, 23rd May, 1927.

Dear Sir.—The Udisco 5-valve Super Neutrodyne set which you recently installed in the place of my son's obsolete 4-valve receiver surpasses my expectations. I am surprised not merely by its selectivity, but also, and perhaps still more, by the excellent tone and volume of its reception from distant stations. When the conditions are favorable, 3LO, 4QG, 5CL, and 1YA are received with almost the same purity of tone and fullness of volume as the Sydney stations.

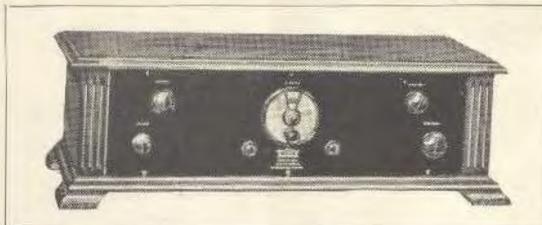
My son wishes me to give you the following particulars. We have received items broadcast by 25 stations:

N.S.W.: 2BL, 2FC, 2GH, 2KY, 2SE, 3UE, 3UW, 3ZL, 3PS, 4QG. VIC.: 3LO, 3AR, 3DB, 3SW, 3BY, 3RS, 3FLAND; 4QG. S.A.: 5CL, 5DN, 5KA, TAB; 7ZL, 7UX. N.Z.: 1YA, 3YA, 4YA.

All of these, except the items from 5CL and 7UX, were received on the loud speaker. With merely a frame aerial, we have heard on the loud speaker eighteen stations. No less than eleven have been heard, on the loud speaker, without any aerial at all. Yours faithfully,

(Sgd.) G. G. NICHOLSON.

DAYLIGHT
RECEPTION



INTERSTATE
STATIONS

Model LS 5 Valves

NEW PRICES

	4 Valve Set with Philips A609 Valves				£20
5	"	"	"	"	£30
6	"	"	"	"	£40
8	"	"	"	"	£55

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Complete Sets of Accessories, including Loud Speaker, from £12 upwards extra

FULL PARTICULARS AND DEMONSTRATIONS AT

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72 Clarence Street, and 28 Martin Place, SYDNEY

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The World's Foremost Wireless Engineers Agree —

*that the Superheterodyne
Principle as Incorporated
in the*
Radiola
*is one of the Greatest
Inventions in Broadcast
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Selective to an exceptional degree—interfering stations can be cut out at will.

Reception of interstate stations guaranteed.
Simplicity itself—only two dials to turn—and you have the station you want.

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Radiola Standard 6 (as illustrated) £45—
Entirely complete including Amplion Loud Speaker.

TERMS—£9 Deposit and small Monthly Payments.

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Radiola 4 - - - - -	£28/5/0	Radiola Super 6 - -	£90/0/0
Radiola Senior 6 - -	£65/0/0	Radiola Super 8 - -	£115/0/0

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Amalgamated Wireless
Australasia Ltd.

SYDNEY.

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**Recommended parts for
enlarging the**

Hale 2 - Valve Set

**Obtainable from all
leading radio dealers
or from Harringtons**

	£	s.	d.
x 3-16-in.	0	8	2
1-0005 S.L.B. Condensor	0	15	0
1-00035 Advance S.L.F. Condensor	0	10	0
1-Parker Potentiometer	0	4	3
1-Parker 30 ohms. Rheostat	0	3	0
2-Buffalo Valve Sockets	0	4	0
1—"Hartie" Detector	0	7	6
2-Jefferson 41 Transformers at 18/6	1	17	0
1-Emm-Co S.C. Jack	0	2	0
1-Mar-Co Battery Switch	0	2	3
1-Terminal Board	0	2	5
2-Emm-Co Fixed Coupling Plugs	0	2	9
1-Reel of Mars Aerial Wire, 100 feet	0	10	6
2-Glo-Dials (Illuminated Vernier), at 12/- each	1	5	0
1—"C" Battery	0	2	9
3-Reactone Coils, 35, 50 and 75 at 1/6	0	4	6
1-0001 Wetlass Condensor	0	1	6

Last week this journal's technical section featured the Hale receiver, and in this issue you will find information that will enable you to enlarge it to a two-valve set. Get the parts from Harringtons; you can be sure their reputation is solidly behind each product.

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Wellington (N.Z.), Auckland (N.Z.).

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Public Confidence since 1869.



MARS AERIAL
WIRE, 84-strand,
non-tarnishing;
gives greater
volume.

PRICE
REDUCED TO
10/6
Per 100 feet.

WIRELESS WEEKLY

VOL. 18. No. 2.

FRIDAY, 17th JUNE, 1927.

Station LANG Calling

IT is significant that the N.S.W. State Government's broadcasting scheme, which has been in abeyance for some two years, should be pressed into finality on the eve of an election. It would seem to indicate that members of the Cabinet, presented with the problem of gaining the favor of the electors in the face of a doubtful record of office and much newspaper opposition on that account, have just realised what a tremendous advantage broadcasting would have been if controlled by themselves.

However, Mr. Lang's decision to take action without delay to secure State rights in the air is too late to render broadcasting of much assistance to him in this election, for, unless secret preparations have been made, there is not sufficient time in which to erect and test a 15 kilowatt station as suggested. Furthermore, until the recommendations of the Wireless Commission are made it is unlikely that the Commonwealth Government will grant the necessary permits.

No doubt we shall see the proposal shelved until the necessity for a quick and widespread means of propaganda again presents itself in a time of political crisis or industrial unrest. Mr. Willis' plan to co-ordinate in his scheme the wireless services at present operated by Government departments; to provide an inter-departmental system of communication in order to facilitate Government work; and to provide country centres with broadcasting stations, might seem worthy of further consideration, but for the obvious fact that it is intended as a blind for the more important and insidious scheme of making the public pay for a means of propaganda by which the present Government may be kept in office. Without this latter motive the scheme could hardly commend itself to Cabinet as a strong plank in the Government platform, especially in view of the parlous state of the finances of the Government and the pressing need for money for more urgent requirements.

In fact, it is evident that in declaring its broadcasting policy the Government is in complete ignorance of the cost of conducting a system of broadcasting stations for any length of time, and has outlined its scheme without carefully estimating the cost of establishing and conducting such a system. The realisation of the plans outlined would involve the expenditure of hundreds of thousands of pounds of the taxpayers' money, for which the only return would be that of the present Government at each election.

Then it is not at all certain that when erected the 15 kilowatt station and the relays would be successful. Unless handled by skillful engineers having considerable experience, it is possible that such a station would render nearby reception of all other broadcasting stations a matter of extreme difficulty. Apparently the scheme, if to be carried out, is to be entrusted to the firm which erected the Trade Hall station 2KY and the Theosophical station 2GB, neither of which have been outstanding successes among our broadcasters, as has been virtually admitted by the engineer responsible. It is significant also that evidence regarding the illicit use of telegraphy by broadcasting stations given before the Wireless Commission by Mr. Malone revealed that when 2KY was erected a key was connected in the circuit which rendered the plant capable of being used to transmit telegraph messages, which could be heard at greater distances than telephony. The witness stated that it was no doubt included in all ignorance of the regulations, and, when requested, the key was removed.

Whatever the Government hopes to achieve in the radio arena, it is certainly not an entertainment service for listeners-in. And that is what the listeners require. Both the working man and the professional man look to wireless as a means to fill in a quiet evening of relaxation in their own homes; they do not wish it to be the mouthpiece of politicians, or a purveyor of propaganda in any form.



Between You And Me And The Microphone

Conducted by Jack Plugge



THE ANNIVERSARY of SWF's advent on the air took place on June 3. A special programme was broadcast.

DURING A RECENT PRINTERS' STRIKE in Perth, when the morning paper failed to appear, the news and sporting broadcast from SWF were much appreciated.

THE SUCCESS attending the recent telephone demonstration in New York has already stimulated the imaginations of American journalists. One genius has discovered that television would make it possible for a physician in New York to ring a patient in some other city and examine his tongue.

AN AERIAL VOYAGE from Paris to Dakar, via Tauls and Timbuctoo, has been undertaken by two French officers, Lieutenant Girardot (pilot) and Captain Cornillon (observer), with the object of testing the efficacy of wireless direction-finding in the air. In the outward and return journeys the airmen will cover a distance of over 4000 miles.

ON SUNDAY, JUNE 5, 3LO re-broadcast from Station 2XAF, Schenectady, New York. Twenty minutes of musical items, mostly from gramophone records, provided the entertainment, which came through remarkably clearly considering all the conditions. 6.30 p.m. coincided with 5 a.m. in New York. Apparently it was very cold at that hour, for the announcer plainly could be heard whistling during the items.

"FROM THE LISTENER'S POINT OF VIEW, out of 732 stations (in the United States) there are about 230 stations that the listener wants," says the Iowa Radio Listeners' League, in evidence given before the new Federal Radio Commission.

OFFICIAL TESTS with the beam wireless station at Poona (Bombay Presidency) are expected to begin this month. If they are successful a public beam service between England and India may be inaugurated before the end of the year.

OPENING THE NEW 3LO Studio recently Sir Stephen Morell, Lord Mayor of Melbourne, said that it was obvious that 3LO had made astonishing progress since it began broadcasting in October, 1924. At first the number of hours of broadcasting had been 381, now they total 691. The new studio is the most modern and spacious in the Southern Hemisphere. He added that the question whether Victorian listeners are satisfied with the programmes broadcast is that the number of Licenses increased from 8,389 in December, 1924, to 33,988 in December, 1925, to 97,744 in December, 1926, and to 108,000 in April of this year.

THE NUMBER of licensed German listeners increased during March by 51,604 to 1,635,728. This figure is still considerably behind that of Britain,

UNCLE BEN'S KOOKABURRA at 4QG has a rival for the position. It frequently pays a visit to the station and, perching on one of the aerial masts, entertains the engineers with the laughing notes so familiar to our people. A few days ago one of the engineers succeeded in getting a close up snapshot of this pleasant visitor. Uncle Ben's Kookaburra will have to look to its laurels.

MOVING DAY: If householders could shift with as little inconvenience as attended the removal to new quarters 3LO Melbourne, the total number of suburban removals each year would be substantially increased. At 11.40 p.m. on Saturday, May 29, Joe Aronson's Syncopators played "Auld Lang Syne" and "God Save the King" in the old Collins Street studio, but at 10.30 a.m. on Sunday the voice of 3LO's announcer was once more on the air.

Do You Know Your Radio?

A series of questions treating radio in a new and interesting way, with their answers, will be published weekly in this section. How many can you guess without turning to the answers on page 13?

SERIES 5.

1. How old is Uncle George?
2. What is meant by "D.C.?"
3. When was the first Australian Wireless Conference held?
4. Where is the highest aerial mast in the world?
5. Who is Uncle Russ?
6. Can a valve set be operated without any batteries?
7. How many A Class Stations are there in Australia?
8. Is there any law compelling ships to carry radio transmitters?
9. What causes condensers to break down?
10. Was 2FC's transmission from the Balmain colliery a record?

OTTO KEMMERICHE, the German swimming champion, has set a precedent by swimming for an hour in the North Sea while listening to a broadcasting programme from Hamburg. The headphones were secured in a specially constructed cap. He considers that broadcast music is more invigorating than that supplied by tug musicians, who often become seasick!

3LO's Telepathy Test

Easily the most interesting stunt programme yet broadcast by the Melbourne station, the telepathy test brought forth thousands of interesting replies. They are analysed here in detail.

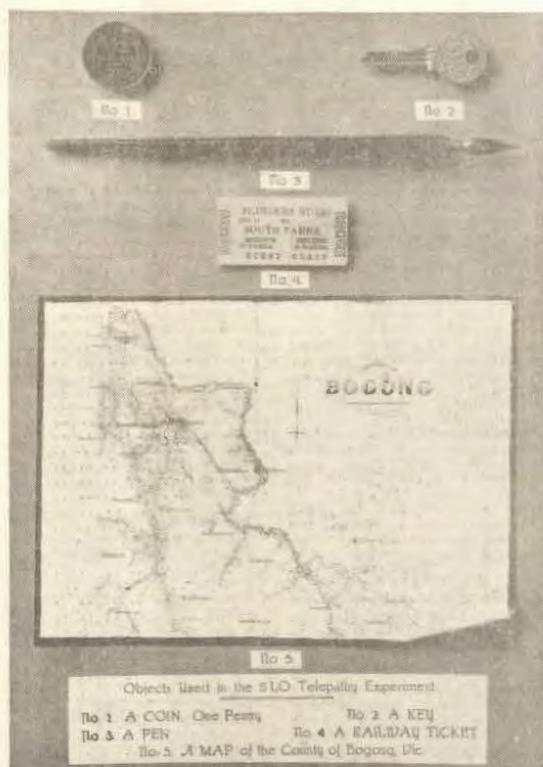
THE telepathy test carried out by 3LO on Monday evening, May 29, created remarkable interest.

15,221 replies were received from all parts of the Commonwealth, including remote parts of Western Queensland, and in practically every case, interest and good wishes were expressed. There can be no doubt that the experiment was one that appealed largely to all sections of the community.

The question as to whether telepathy has any real analogy with radio-telepathy is one that must remain for some time at least unanswered.

Radio-telepathy, as Sir Oliver Lodge points out, is really a much less intricate affair than thought transmission as ordinarily conducted by speech or writing. With wireless apparatus we know exactly what we are doing. We are exciting electric oscillations, which emit continuous waves, and these waves are then modulated so that they carry with them tones of music or human speech, not in the form of a sound, but in the form of variously formed ether waves which are received at some distant place and converted into sound. The human ear, being receptive to sound waves, stimulates the terminals of the auditory nerves by remarkably ingenious processes. The nerve takes up the tone and carries it to the brain which somehow transmits it to the mind. But as to how this is done we are completely in the region of mystery, to which we have only grown accustomed by long habit.

In scores of cases in the recent test it was found that people in the same room thought of the same objects. This was due to direct telepathy. In connection with this, it has been found that certain people have the faculty of receiving a thought from another person without its being uttered or written, and without any ordinary indication. It is not known how this is done, nor is the person



Objects Used in the 3LO Telepathy Experiment

No. 1 A COIN One Penny

No. 3 A PEN

No. 2 A KEY

No. 4 A TRAIN TICKET

No. 5 A MAP of the County of Bogong, Vic.

who transmits the thought aware of having any effect, but Sir Oliver Lodge states that recent successful experiments have been made in which the transmission was consciously sent out, and received by a person awaiting it.

Popular Objects Described.

The test was carried out by a committee of three, consisting of the Rev. J. H. Cain, Mrs. Angela Booth, J.P., and Dr. Brooke Nichols, none of whom knew beforehand what articles would be shown, and the announcer, Mr. C. M. Hosking, saw them for the first time, when he took them out of the sealed envelopes at the time of the experiment.

The articles were chosen by the general manager and consisted of a penny, a latch key, a pen, a train ticket, and a shire map of the district of Bogong, Victoria.

The penny was visualised by 68

people. Three placed it correctly as the first object, 30 as the second, 31 as the third and 4 as the fourth.

The key was mentioned by 624 people, but only 36 designated it correctly as a latch or a Yale key. Twenty placed it as the first object, two in the correct place, one contributor stating that it was very plain indeed. Three saw it as the fourth object and eleven as the fifth. The third object, a pen, was seen by no less than 2384 people, 304 of whom stated it to be a fountain pen—but it was an ordinary pen. 409 people visualised it as the first object, 441 as the second, and 140 as the third, 569 as the fourth, and 521 as the fifth object.

No mention was made of the train ticket, but four people saw train tickets.

The fifth object, a map, was mentioned 112 times by contributors and included maps of Victoria, and Northern Territory, Europe and Maps of the World. 48 of the maps were placed as the fifth object, and one of them was the map of Victoria. 16 were placed as the second article. 32 as the third and 16 as the fourth, although no maps of the Shire of Bogong were actually seen.

The most popular objects seen were books, pictures and vases. No fewer than 8884 saw books, and strangely enough, in the majority of instances they were red covered. Pictures were seen by 5536 people and vases by 4412. Next came clocks, 2880 and flowers 2740.

Watches, inkstands, microphones, pencils, bibles, pipes, knives, rings and pianos were next in order. Violins and pianos were listed in almost equal numbers, as were also cats and dogs. 156 people saw black cats and 12 visioned a cat and kittens. Apples were mentioned more frequently than any other edible.

It was interesting to note how largely news items in the papers figured in the letters. There were 816 references to the visit of the Duke and Duchess. The opening of Canberra was mentioned 201 times and Canberra florins 116 times. 208 people saw portraits of the King, and one saw Queen Alexandra in her coronation robes. The Labor Government, the drought and the flight of Lindberg were frequently mentioned. In a number of instances correspondents were only able to visualize one, two, three or four of the articles. From many of the letters, it was easy to trace the occupation of the listener. For example, a list consisting of a clothes peg, a nutmeg grater, a washing board, a door key and a book, could only belong to a housewife, just as saws, hammers, cows, pigs, harness and cartridges figured largely in the country lists.

Other objects mentioned included shells, coral, mice, rats, artificial teeth, black spiders, silk stockings, zebras, stuffed birds, teddy bears, globes of the world, pearl skulls, skeletons, cigarettes, tobacco, children, cups and saucers, writing pads and elephants.

A humorist said that being a hard-headed Scotchman and eighty-five years of age, he feared he had exceeded the limit of the impressionable age, but sent in his result all the same.

"My mind was in Collins Street," wrote one lady who, not only attempted a description of the articles, but of the three figures seated at the table as well. Another said she hoped she would be successful in the test, for if she was any good at telepathy she would try it on her husband.

TELEPATHIC TEST.

Books	8834
Pictures	5536
Vases	4412
Clocks	2880
Flowers	2740
Watches	2544
Ordinary Pens	2080
Fountain Pens	304
Ink Stands	1784
Microphones	1700
Pencils	1694
Bibles	1680
Pipes	1616
Knives	1488
Rings	1456
Pianos	1280
Chairs	1264
Violins	1168
Music	1072
Men's Hats	976
Walking Sticks	928
Reference to the Duke and Duchess	816
Candles	816
Umbrellas	752
Skulls	256
Gloves of the World	246
Ladies' Gloves	240
Loaves of Bread	224
Telephones	221
Cigarettes	220
Portraits of the King	208
Reference to the Opening of Canberra	201
Children	192
Bronze Statues	191
Cigars	189
Writing Pads	176
Reference to the Sea	172
Cups and Saucers	160
Black Cats	156
Coral	144
Ships	141
Ladies' Shoes	139
Cows and Pigs	136

Articles.	Order as Placed by Contributors.					Total.
	1	2	3	4	5	
Penny	8	30	81	6	0	68
Latch Key	28	2	0	3	11	36
Ordinary Pen	409	441	140	569	521	2080
Train Ticket	0	0	0	0	0	0
Shire Map of Bogong, Vic.	0	0	0	0	0	0
(but 48 maps were mentioned as occupying the 5th position)						
Maps	0	16	32	16	48	112

The Mighty 28X Phileco is Supreme.

Tobacco	125
Canberra Florins	116
Maps	112
Cameras	96
Mice	94
Flute	736
Scissors	624
Keys	147
Latch Keys	869
Apples	608
Bowls	592
Coins	540
Cards	540
Eggs	544
Tables	544
Electric Lights	512
Cats	504
Dogs	480
Glasses of Water	464
Roses	458
White and Colored Lights	449
Matches	448
Carpets and Mats	442
Balls	400
Newspapers	384
Spectacles	368
Hammers	372
Shells	336
Oranges	320
Pearls	272
Birds	91
Sponges	80
Pennies	68
Cartridges	64
Silk Stockings	48
Elephants	47
Rats	46
Ladders	44
Triangles	41
Harness	33
Black Spiders	32
Stuffed Birds	24
Artificial Teeth	12
Cats and Kittens	12
Teddy Bears	8
Kookaburra	4
Zebra	4
Tram Tickets	4
Skeletons	4
Washing Board	1
Nutmeg Grater	1
Queen Alexandra	1
Bowls of goldfish, dagger, blue ribbon, Napoleon, spoons, biscuits, saws, loud speaker, songs, typewriter, boots, Prayner Books, spoons, rabbit, rat trap, shovel, handkerchiefs, pieces of paper, Biblical figures, flute, cornet, mouth organ, dulcimer, bracelet, brooches, tie pins, tennis racket, chrysanthemum, diamond, violet, thyme, brush and comb, quill pen, sword, hat pin, Madame Melba, forks, cheese, razors, revolvers, valves, eye glass, grapes, cards, concertinas, pot plant, monkey, rabbit trap, purses, button, jugs.	
The above items were mentioned in letters but not tabulated.	
No person gave the objects in the right order, but the following number were correct in one object:-	
Penny	3
Latch Key	3
Ordinary Pen	140
Train Ticket	0
Shire Map of Bogong	0

How a Radio Engineer is Made

The life history of one of our foremost radio engineers, Raymond Allsop of 2BL. His success in rebroadcast programmes is well known.

MR. RAYMOND ALLSOP, Chief Engineer of 2BL, although only 28 years of age, has spent his life in radio, and his record is among the highest in Australia.

At the age of 10 young Allsop started his radio career under the guidance of Father Shaw, whose station at Randwick was the first privately owned in Australia. Father Shaw was the principal of the Maritime Wireless Co., later known as the Shaw Wireless Company. At these workshops were manufactured all the original Australian Coastal Wireless Stations under the superintendence of Mr. Babsillie who was then the Federal Government's Wireless Expert. Mr. Allsop served his time as an apprentice in the workshops, and at the tender age of 12, in June, 1911, he obtained an experimenter's licence.

He remained in the Shaw workshops until 1914, when control of all wireless was taken over by the Government. Mr. Allsop at this time owned the largest private station in Australia, which was established at his home in Barker Street, Randwick. This was a telegraph spark station and had the surprisingly high power of two and a half kilowatts. At the beginning of 1918 Mr. Allsop joined Amalgamated Wireless as an operator in order to gain experience. He served with that company of 12 months on various ships trading between Australia, New Zealand, Fiji and the Australian coast generally. In 1916 he joined the Australian Naval Transport Service and was on the troophain Argyleshire on February 4th, 1917, when she was torpedoed by a German submarine 22 miles south of start point in the English Channel. A British destroyer sank the U-boat; the Argyleshire, badly crippled, was taken in tow by three destroyers, and after 22 hours battling with a rough sea in the Channel reached Plymouth. Mr. Allsop returned to Australia and became a laboratory assistant at the Randwick Naval Workshops as the old Shaw Station had now become. It was there, he claims, that the first

wireless telephone message was ever sent in Australia. Using a Round Valve of very low power, Mr. Allsop transmitted speech between the laboratory and the test room, a distance of 200 yards with buildings intervening. The wave length used was 1,000 metres.

Mr. Allsop's next position was as a radio operator on the troophain "Imlara," on which he sailed as senior operator for 18 months. After the Armistice he was present at the occupation of Constantinople and entered the Black Sea with the first British ships that has passed through the Bosphorus since 1914. Mr. Allsop returned to Australia in 1919 and rejoined the laboratory at the Naval Workshops, Randwick, where he remained until the works were taken over by the Repatriation Department a couple of years later. Mr. Allsop was now busily engaged on private research and experimental work, and at this time he had the first valve modulated transmitter in Australia, with which he transmitted musical programmes from his home in Byron Street, Coogee.

Mr. Allsop was not so particular on the subject of licences in those days as he is at present, and the fact that he had neglected to take out a licence for his transmitting station caused much anxiety in the mind of Mr. W. T. S. Crawford, the Radio Inspector, who could hear the musical programmes and knew that a pirate was on the air, but for a long time was unable to locate the culprit. Although Mr. Allsop's Station was using a power of only 15 watts it was heard as far as Wallangarra on the border of Queensland, an enormous distance as radio distances were measured at that time. He erected a transmitter on Paling's Buildings for transmitting test concerts which were arranged by Mr. Anderson, now Studio Manager of 2FC, and this 10 watt transmitter was the first set used by Broadcasters Limited, on the roof at "Smith's Weekly."

Mr.
Raymond
Allsop
2BL.



In 1923 Mr. Allsop joined the New System Telephones Pty., Ltd., in the capacity of radio engineer. He continued operating his own experimental station 2YG, which had now become quite respectable and had a license. Early in 1924 Mr. Allsop picked up 2LD, London, three mornings in succession, also the Birmingham Station, M.T. He was also regularly receiving KGO, California, using a loop aerial and a five valve set. This was claimed at the time as a world record and was not contradicted.

The first time Mr. Allsop communicated with America was on December 11, 1924, using Morse—another record.

The night before (December 10) he was working 20D, an English Station. In February of the following year (1925) Mr. Allsop succeeded in getting wireless telephony through to England from 2YG, that was the first time Australia has been heard by telephony in England.

Among Mr. Allsop's most treasured possessions is a DX card, dated February 28, 1925, from Arthur O. Milne, the British experimenter who picked him up.

Mr. Milne could not reply, however, as up to that time no one in England had succeeded in telephoning through to Australia. Mr. Gilligan, the captain of the English cricket team then touring Australia, heard about Mr. Allsop's station and spoke from it,

sending a message to be picked up by English radio amateurs.

During the period Mr. Allsop was transmitting from 2YG by telegraphy, he received reports of transmission from China, South America, Mesopotamia, Alaska, England, Portugal, France, Belgium, Finland, Sweden, Canada and other parts of the world, and his wireless telephony was picked up by experimenters in South America, Canada, Finland, Belgium and England.

Some of Mr. Allsop's achievements on low power are remarkable. In July, 1925, he spoke by wireless telegraphy to Mr. Cox in Melbourne (Station 3DB), using .003 of a watt of power, measured on standard Weston instruments. The wave length used was 250 metres. Towards the end of 1925 Mr. Allsop made another striking low power test. Using a vertical aerial, he was during a Sunday afternoon working Melbourne, Armidale, and Brisbane with a power of 45 volts on the plate of a V.V. 129 receiving tube. The signals being reported good about 6 o'clock that evening Mr. Allsop sent out a general call, and some weeks later he received a letter from a Mr. H. H. Cooley of 400 Newton Centre, Massachusetts, New York, stating that his call had been picked up.

On February 6, 1925, Mr. Allsop succeeded in relaying the great American station, KDKA, which he picked up at his home in Coogee and re-broadcast from the Sydney Station, 2BL, so that listeners generally could hear. In March, Mr. Allsop having now joined the staff of 2BL as Chief Engineer, again picked up KDKA and re-broadcast the American station's programme, which included a speech by Sir James Elder, Trade Commissioner in the United States. The speech came through fairly well and the words could be distinguished clearly enough, though in the light of later advances such a transmission would not now be boasted of. Since that time Mr. Allsop has practically dropped experimental work, but he has relayed KDKA several times, also WGY, the American Station at Schenectady, and in the early part of 1925 he picked up and rebroadcast from 2BL the Dutch Station, PCJJ, and the London Station, 2LO, the latter relayed by PCJJ.

THE NEW BRITISH Broadcasting Corporation has started a new type of broadcasting in Great Britain in the broadcasting of running commentaries of football matches. Prior to this year this was not allowed owing to certain arrangements made with the press. It is the intention of the B.B.C. this year to broadcast all the big sporting events.



MANY PATRONS of Station 4QG, during its inception stage, will remember with pleasure the enjoyable singing of Miss Pat. McQuigley, and will, therefore, welcome her reappearance on the studio programme for June 17, when she will sing the "Flower Song" from Gounod's "Faust."

POPULAR PIANIST: Mr. Harold Elvins is again to broadcast another series of his classical recitals from 3LO. Since 3LO recommended their season of classical recitals, hundreds of letters have been received from students with examinations looming in the future, stressing the assistance received from the skill and technique displayed by Mr. Harold Elvins and his conferees, Mons. Edouard Lambert and Mr. Edward Goell.

THE D'ARCY TRIO: The power of entertainment is said to increase with the experience and versatility of the performer, in which case the D'Arcy Trio, a vocal and instrumental trio which will appear through 3LO, Melbourne, in the near future, should be most successful performers on the air. In addition to their accomplishments in their respective departments of the trio, Miss Rose D'Arcy, vocalist; Miss Eileen McCarthy, violinist; and Miss Myrtle Skever, pianist, have each been meritorious performers in other realms of entertainment.

MR. RAIMUND PECHOTSCH, after his holiday in Colombia, will be broadcasting with 2BL again as solo violinist, beginning on May 9. Mr. Pechotsch was one of the Principal Professors of Violin at the Guildhall School of Music, London College of Music, London Academy, also Musical Director of the Lyceum Theatre, London. He played at the Symphony Concerts, Bournemouth, many times under the baton of Sir Dan Godfrey, and also played at the Queen's Hall, Bechstein Hall, Imperial Institute. His last important engagement was the playing of Paganini and Mendelssohn Concertos with the State Orchestra (25 members) at the N.S.W. State Conservatorium, with Mr. Alfred Hill conducting. When broadcasting, Mr. Raimund Pechotsch will include some of his own compositions.

THE D'ARCY TRIO: Fresh from an extended vaudeville tour of Australia, the D'Arcy Trio have returned to 3LO and are prepared to once again entertain listeners with a musical medley, comprising voice, piano and violin.

THE REV. R. B. S. HAMMOND, who is well known in Sydney, has commenced a series of lectures entitled "Mending Broken Men." These have been well received, and letters from listeners, thanking Mr. Hammond for his excellent address, have been received, through 2GB.

THE LAMBERTS: Another 3LO re-engagement is that of Madame Lambert, the Continental soprano. Though she arrived in Australia only two or three months ago, Mme. Lambert has already been engaged in work of a charitable nature, notably holding a very excellent and successful concert in aid of the Royal Victorian Institute for the Blind.

A UNIQUE SPECIALITY: Features of the 3LO programmes are the "speciality" turns. Mr. Harry North, the well-known Australian concertina soloist, has now been included in the new arrivals. The volume of harmonious sound that can be extracted from such a comparatively small instrument is astounding, and it is difficult to believe that only one instrument is being played. One of the many specialities of this clever artist is the skilful imitation of church chimes, which he produces in clear ringing tones.

"LES INCOMPARABLES": Stewart and Lorraine, known throughout the Continent as "Les Incomparables," make their bow before the microphone at 3LO this week. Miss Lorraine will be heard in both ballads and operatic excerpts, and will render able assistance on the harp, saxophone, piano, organ, banjo, and chimes. Mr. Charles Stewart, who has starred at most of the theatres in London, will add much to the humor of the entertainment by his dry Scottish wit.

The Safety Valve

Readers are reminded that the opinions expressed by correspondents are not necessarily those of this journal. A fair measure of criticism is allowed but preference is given to letters combining interest with brevity. Anonymous letters are not considered.



THE FREE PROGRAMME.

Dear Sir.—In talking over your letter, "The Jolly Roger" ("Wireless Weekly," June 7), with my neighbour, Mr. Dunlan, we were greatly concerned about the honesty of the Wellington people. We are afraid that your estimate of the number of licensed (G.M.) must be wrong. Mr. Dunlan and I have seen each other's license, No. 94353 and 94358. The position from our aspect works out as follows—20 minus 2 equals 18. Then we have four wireless salesmen, each with a plant, 20 minus 4 equals 16. We now have a list of 18 very personal friends with valve sets, whose homes we often visit—as honest as the sun, 19 minus 15 equals 4. Then we have 50 other personal friends, still 20 more acquaintances with valve and crystal sets. Any one of them may be right, but all can't be right. Would it be possible for your paper to publish a list of the Wellington broadcast listeners?—Yours truly,

HAROLD E. S. DOYLE.
Newtown,

PROGRAMMES GOOD.—TRANSMISSIONS POOR.

Dear Sir.—I think a lot of listeners who write in these columns grumble at nothing. I am quite satisfied with the programmes, also better-half and kids. But the transmissions are a different matter. Farmer's are very mushy and weak here; since they changed their wavelength; they used to be "bonzer" on 1100 metres, but we can always try some other station, where the Port Kembla transmitter will allow us. We are able to hear to-night—first time for a week. We had a day the week previous to that, and so on for the past two months. My licence says I can be "pinched" for howling, but the P.M.G. lots the Public Works howl as much as they like and put hundreds of sets right out of action, and they have neither a receiving licence nor a transmitting.

Yours, etc.,
WILLINGSON, FLANIGAN.

The number of license holders in Wellington or any other town or city in Australia is guarded by the Wireless and Telegraphs Department as strictly confidential. The only way to arrive at an approximation is that described in our editorial. No doubt there are more license holders in Wellington than the number given, but if that is so there must be less in one of the other country towns.]

AS TRANSMITTED FROM RUSSIA'S IARW STATION.

Dear Sir.—In a recent issue I noticed the announcement that Lenin's widow "is devoting all her time to the extension of radio as an agency for the education of the Russian people."

Not long ago I saw a copy of the programme of the Moscow station for March 26, and really, if it is in any way typical of the average Russian

programme, one would say that Anna Krupakoff's efforts should be rather welcome. Below is a copy of the programme:

- 5.00 to 4.30: Children's Programme
- 5.20 to 5.45: Statement by Committee for Workers' Education.
- 5.45 to 6.15: Lecture on Iron.
- 6.15 to 6.30: Workers' Wireless Newspaper.
- 6.30 to 6.45: Statement by Committee of Young Communist League.
- 6.45 to 7.00: Uncle Max.

By the way, I wonder how some of those who grumble at our local programmes would care to have one like the above transmitted daily?

Yours truly,

HAROLD E. S. DOYLE.

CRITICISM UNJUST.

Dear Sir.—Why this perpetual cry about the alteration to the 2FC wavelength? At the time it certainly skinned my logging chart for a fortnight or so. I live in the shock zone, I have a cheap, Commercially Built three valver, and I can go the rounds of interstate reception, including 1YA on full speaker. Interference from locals would be a novelty. I have spent considerable time and intelligence balancing my aerial earth, and I enjoy the fruits of my trouble.

I really don't think the rapid

criticisms of station programmes will lead to anything. They all dish out spasms of puddle occasionally. But I do know this, after listening round interstate reception: it's a glorious relief to get back to the Master Announcer of 2FC.

Yours, etc.,
EXPERTS CREDE.

North Sydney.

LOOK TO YOUR SET.

Dear Sir.—I consider "T.H.S.C." ("Wireless Weekly") of May 6 unjust in blaming the station because his results are not perfect, and I quite agree with your answer in telling him to look to his set.

We have a "Harrington Popular Fly" four valve receiving set, and get most perfect results from it. With it we can pick up 12 stations—6 local ones, and two in Victoria, one in Queensland, South Australia, New Zealand and Tasmania, respectively. From 2BL and 2FC, 2KY, 2GB, 2UE and 2UW we get perfect results any time and any day.

From 3LD and 4QG we get very good results at night, and can raise them during daylight, while the remainder improve or decrease according to the weather conditions.

Despite all these perfect results, at first I had almost the same trouble as "T.H.S.C." and in trying to locate the trouble, the loud speaker, a "Thorold Junior," was taken to pieces and in the base of it two small wires were found to be crossed. When these were rectified the music results were all that could be desired, and strangers outside often enquire who it is singing or playing as the case may be.

Need I add that these results have not achieved themselves, but that a great deal of time and trouble have been used to attain such a pitch of perfection.

The above results are all loud speaker results, and the interstate can be heard about 15 yards distant, while the local can be heard seven doors down the street.

Yours, etc.,
(MISS) LORNA MASON,
Leichhardt.

Super Power Station WLW Broadcasting for Australia

First details of another attempt by a large American Station to be tuned in in Australia.

ON June 22 (corresponding to 8 p.m. here), WLW, the broadcasting station de luxe of Powell Crossley (the "Ford of Radio"), is going to broadcast a special programme for Australian listeners on a wave length of 52 metres.

WLW is one of the few super power stations of America. The main station is fed by two portable stations. In the majority of cases it was found that the ordinary land line transmission could not be relied upon, as the ambuscades were many and far between. These two feeder stations consist of a 100 watt short wave outfit on a speed truck and on a motor launch of Powell Crossley. Both operate on a wave length of somewhere around about 100 metres. The motor truck is used to broadcast football, baseball, or any other outdoor sports which the station thinks would be of national interest. The motor launch broadcasts aquatic events. These two stations are picked up by the main broadcaster and re-broadcasted.

The station is owned by Powell Crossley, Jr., whose life history in radio is a remarkable romance and is somewhat akin to that of Henry Ford's, so much in fact that he has been named the "Ford of Radio." His right hand men are Charles J. Hopkins and J. Langley, Hopkins being solely a seller whilst Langley is a radio engineer and a business man.

The studio director—Fred Smith—is probably the most popular director in the States. He first joined the studio staff in August, 1922, leaving again in 1925 to visit all the broadcasting centres of Europe. He is responsible for the radio play, that is a play written especially for radio, also Sunday school services, thematic programme presentations and others.

William State, the musical director, is a man of wide musical knowledge, having gone as he says, "from the stiff to the free an easy stuff," from operatic music to syncopation. Probably the three most popular artists are Tommy Reynolds and Irene Downing, comedies of no mean merit, whilst Johanna Grosse shows how an organ should be played to be appreciated.

These artists and many others will be heard over the radio WLW on 52 metres on June 22. An endeavor will be made to make it a truly Australian programme, and if it is successful the whole thing will become a regular feature.



4QG, broadcasting from the bottom of the New Chum Colliery recently. The photograph shows the artists surrounding the microphone.

The Radio Kiss and the Movie Kiss

Explaining this Week's Cover Picture. Radio Stars and Movie Stars before the Microphone.

WHILE William Boyd was "keeping company" with Elinor Fair, they often spent an evening listening to the KGO radio plays. But these screen stars of "The Volga Boatman" were always disappointed in the radio kiss, as it lacked warmth.

So when the De Mille stars enjoyed a belated honeymoon in San Francisco they decided to visit the General Electric broadcaster and witness the radio drama kiss.

Can you blame Elinor Fair for looking surprised when she found Bert Horton, radio actor, kissing the back of his hand with a resounding smack, as pictured on our cover this week?

And can you blame Bernice Berwin, radio actress, for asking William Boyd to kiss her again when they experimented carelessly with the real kiss?

No longer does the hero kiss himself as the radio drama comes to a close. For the real kiss beats the fake one, even on radio.

So hereafter when the invisible curtain brings the ether drama to a close, the radio lovers will be locked in each other's arms for that fade out kiss, lips to lips, with all attending thrills, giving a happy ending for listeners and actors both.

According to Wilda Wilson Church, director of the KGO Players, the real kiss superseded the mere smack on the back of the hand method when radio plays were first given at the

General Electric Station. But due to improper "planting" of atmosphere for the kiss, the unromantic back of the hand method came into existence.

When the kiss goes out on the air the microphone seems to play all sorts of tricks on it, making it sound like almost anything from a slap on the cheek to a tire blow out. So the problem revolved itself around having voices and atmosphere to substantiate the kiss. With the real kiss there is natural confusion, muffled tones in the voices as the lips meet, and finally the real, honest-to-goodness sweetness of the thing. A noticeable warmth in the voices can also be detected by radio listeners following the thrill of a real kiss.

Miss Church says that the real kiss has taken away the suggestion from players' minds that radio drama technique is primarily artificial. Before the microphone it is necessary to be natural. For no longer can the microphone be looked upon as a mere piece of mechanism. It is human, has an inner self, and reveals any deceptions. Especially in kissing one must be natural before the microphone.

Imitations are giving way to the real sounds necessary to carry the atmosphere and the action of the radio plays and naturalness must be the foundation of a player's power to grip the unseen audience.

RADIO

IN AUSTRALIA
& NEW ZEALAND.
Incorporating Sea, Land and Air.

for JUNE

*80 Pages....90 Illustrations....20 Articles
Ten Features No Listener Should Miss*

1. **THE BEAM v. THE CABLES.** the main article of the June issue of "Radio," is the first frank and unbiased statement of position existing between both services. It has been written in collaboration with officials of both the Cables and the Beam, and contains a letter from Mr. E. T. Fisk, advancing the Beam side of the question, and a letter from Mr. H. J. Swift, superintendent of the Eastern Extension Co., dealing with the cable's position.
2. The famous **INVERSE DUPLEX SYSTEM**, designed and perfected by David Grimes, is described for the first time in Australia and complete details for the construction of a receiver employing this system are given in an article by the technical staff. This receiver rivals the **superheterodyne** for sensitivity, selectivity, tone, and volume, and yet has but four valves.
3. **MARTIN P. RICE**, manager of broadcasting for the General Electric Company's stations, KGO, KOA, and WGY, contributes an article on **International Broadcasting**. He outlines the company's experiments with short wave broadcasting. In view of the recent rebroadcasting of WGY and KOA this article is particularly interesting.
4. Constructional data for the ever-popular Neutrodyne with the latest additions and developments is given in detail, with seven large illustrations and diagrams. The Stockle system of neutralising is explained in addition to the orthodox manner.
5. **C. D. MACLURCAN**, the giant among our amateur experimenters and the first to broadcast a concert in Australia, contributes an article on **Aerials**. He lays down some simple rules for the erection of aerials, and the correction of faults in those already erected.
6. How to construct, install and operate a complete **AMATEUR SHORT WAVE STATION**, including both receiver and transmitter, is described in detail with diagrams. The article is by a well-known experimenter, and should interest all newcomers to radio, as well as the older experimenters.
7. **E. G. BEARD**, chief engineer of United Distributors, designer of 2GB and technical adviser for the State Government's proposed system of broadcasting stations, contributes an article, "Low Impedance Valves as a Solution of the Interference Problem." He explains a method of solving the interference problem by employing the correct valve to give an extreme sharpness of tuning.
8. **BRASSO**, the inimitable "hard case" among wireless operators, is back again. In this issue he contributes the first instalment of the chronicle of his adventures on board transports and merchantmen during the war. Brasso's stories deal with real characters, many of whom are famous, and are told in an easy, humorous style.
9. Meet Australia's eight foremost announcers in an article, "This Time they Speak for Themselves," in which each gives his views on announcing as a profession and the highlights in their own career. For the first time photographs of all the announcers are reproduced together.
10. A large **AMATEUR SECTION**, including club notes, district reports, and the "dope" on water resistances appears for the benefit of the experimenter. A number of other articles, including a **Digest of World Radio News**, also appear.

**ON SALE AT ALL NEWSAGENTS
AND BOOKSTALLS**

1/-

New Radio Apparatus

THE AMPLION CONE.

The Amplion Cone represents the most recent addition to the long line of loud speakers produced by Graham Amplion. The instrument has a beautiful appearance, quite in keeping with accepted Amplion standards, and is, in fact, one of the most attractive loud speakers we have yet seen. An important point in connection with the Amplion Cone is that it is adjustable in the same manner as other Amplion speakers, a feature the value of which will be readily appreciated.

The Amplion Cone is particularly recommended for its clear reproduction of speech.

FERRANTI TRANSFORMER.

Messrs. A. Beal Pritchett have forwarded us a sample of the well-known Ferranti inter-Valve Transformer manufactured by Ferranti, Ltd., one



of the best-known engineering organizations in Great Britain.

From an appearance point of view this Transformer has a great deal to recommend it, as the manufacturers have followed throughout an approved engineering standard. Under actual test it has been definitely shown that the Ferranti Transformer improves loud speaker results, and curves drawn on the musical scale, which is the true basis for comparison, demonstrate this beyond doubt. Comparisons of the amplification ratios of the Ferranti and other standard types illustrate actual superiority for the Ferranti.

The Transformer has an ample core section with practically no air gap, and the ratio is as high as possible consistent with low loss on high frequencies, with great subdivision of the windings and special design to reduce the self capacity current and eddy current loss.

THE DE FOREST D.L.15.

The sample of the De Forest D.L. 15 forwarded to us by International Radio Co., Ltd., shows an excellent product. Recently the De Forest factory re-designed the whole of the well-known audions, and now it is possible to use one for every socket in the receiver.

The D.L. 15 illustrated here is the Super-Detector Audion especially made for regenerative detector sets. The redesigning of the De Forest Audions now provides for the D.L. 15 for the first audio socket, the D.L. 7 for the second socket, the D.L. 14 for the third stage, and there is even the D.L. 9 for the fourth audio stage. This is a big advantage in Multi Tube Receivers.

The Valve has a nice appearance, and as it is manufactured by one of the world's prominent valve manufacturers, its performance may be taken for granted.

THE ELEC-TRU-TONE.

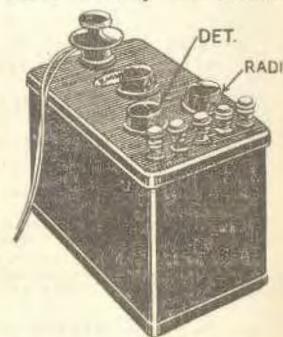
Harrington's, Ltd., have submitted a sample of the "Elec-tru-tone," an instrument which converts a phonograph into an electrical reproducing machine. This is in effect an instrument for improving the reproduction of the ordinary gramophone with the aid of a Radio set, and it is claimed that great power of volume may be obtained and that instruments and delicate shading not to be caught by the ordinary reproducer are audible.

This new instrument is simply slipped on the tone arm of the phonograph, and the plug inserted in the detector socket of the Radio set. The speaker is plugged into the radio set as usual. It is particularly useful for those who wish to use the gramophone for a dance party, as many times more volume than that produced by the ordinary gramophone may be ob-

tained. No alterations are necessary in either the phonograph or the radio set.

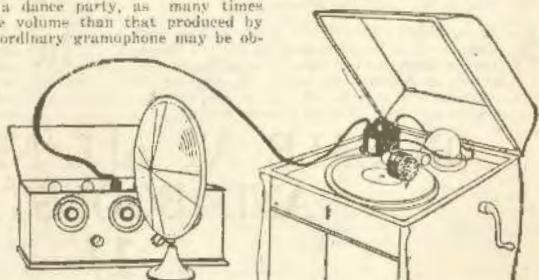
EMMCO "B" ELIMINATOR.

Electricity Meter Mfg. Co., Ltd., recently released supplies of the Emmco "B" Eliminator, an entirely new product especially adapted for the current and voltage of A. C. light mains. The sample that we have in-



spected presents a neat, sturdy appearance. It is enclosed in a metal case with a Bakelite top, the whole measuring 8½in. by 5in. by 7½in. and weighing 13 lbs. The instrument has five terminals, one earth, one B minus, one detector plus, adjustable by knobs for voltages of from 20 to 45, one Radio plus, adjustable up to 100 volts and one audio for the full 135 volts. If a lesser voltage is desired in one or more of the audio valves, they may be connected to the Radio terminals and adjusted to suit. The voltage may be altered by the adjustable knobs while the Eliminator is in use. The Emmco Eliminator may be used with either dull or bright emitter valves.

With each Eliminator is supplied an instructional pamphlet which gives full particulars for operating.



Who Broadcast the First Concert?

Dear Sir.—The article, "Who Broadcast the First Concert in N.S.W.?" has raised a certain amount of opposition on the part of listeners, who think that an attempt was made to take from Mr. MacLurcan the credit due to him.

Will you kindly reassure your readers on my behalf that this was not the case? That my article dealt with the wonderful work Mr. MacLurcan had done, and what I wanted to find out was if there were any properly conducted concerts, apart from those given by Paling's, at which the public were free to come and listen. You have to remember that that hall was filled night after night with hundreds of the public who had broadcasting explained to them for the first time, and who actually witnessed a broadcast concert.

Mr. MacLurcan's activities went back many months from that time, but were they broadcast concerts in the proper sense of the term?

I would like it made clear to your readers that my admiration for Mr. MacLurcan's work is too great to permit misapprehension to remain in his mind, or in the minds of listeners in general.

Yours, etc.,

Oswald Anderson,
Broadcasting Manager, 2FC.

How many did you score?

1. Officially 78, actually 38.
2. Direct Current.
3. During May, 1923.
4. Bordeaux, France. It is 850 ft. high.
5. Mr. Rus. Garling, the ventriloquist, whose bedtime story session has been a popular feature at 2FC for some time.
6. Yes, direct from the light socket by means of battery eliminators.
7. Eight.
8. Passenger ships are bound by law to carry radio transmitters.
9. Excessive voltage or defective insulation.
10. Yes. A world's record for a programme farthest below the surface of the earth, 3,000 feet.

LISTENERS who "dodge" the dollar licence fee in Canada are liable to sudden visits by Dominion Government Inspectors, accompanied by Royal Canadian mounted policemen, who may ring their front door bell and ask to see the receipt for this year's fee. There are 168,000 licensees in Canada.

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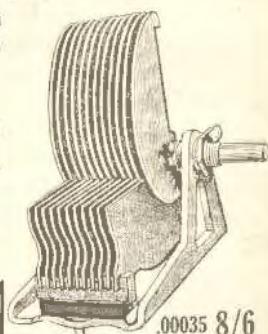
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The HALE 2 VALVE RECEIVER IS HERE

Build it from Instructions in this issue

**.00035 8/6**

The Quaker .0005 9/6
S.L.B. CONDENSER

HERE ARE THE PARTS

	s. d.
1 Radian Panel, 14 x 7 x 3-16, Polished	10 0
1 Quaker .0005 S.L.B. Condenser ..	8 6
1 Quaker .00035 S.L.B. Condenser ..	8 6
1 Ajax 400-ohm. Potentiometer ..	2 6
1 Ajax 30-ohm, Wire Wound Rheo- stat ..	1 10
2 Premier UX Valve Sockets, at 1/8 each ..	3 6
1 Genuine Carborundum Detector ..	11 0
1 Crescent 6 to 1 Audio Trans- former ..	13 6
1 Crescent 3½ to 1 Audio Trans- former ..	13 6
1 Single Circuit Jack ..	1 9
1 Standard Battery Switch, Push- Pull ..	1 9
1 Terminal Board, with 7 Engraved Terminals ..	2 9
2 Emmco Fixed Coupling Plugs, at 3/4 each ..	6 0
1 100ft. Coil of 50-strand Phosphor Bronze Aerial Wire ..	3 0
2 Philmore Back Panel Glow Dials, at 11/- each ..	22 0
1 Ever-ready "C" Battery ..	2 9
1 Apex 35 Turn Coil Mounted ..	3 4
1 Apex 50 Turn Coil Mounted ..	3 7
1 Apex 75 Turn Coil Mounted ..	3 10
1 Wetless .0001 Fixed Condenser ..	1 6

Total . . . £6/6/1

The following parts can be substituted:—

1 Bakelite Panel, 14 x 7 x 1-8 ..	4 1
1 .0005 Advance S.L.F. Condenser ..	10 0
1 Parker Aleous Potentiometer ..	4 3
1 Parker Aleous 30-ohm. Rheostat ..	3 0
2 Jefferson Transformers, Type 41, at 18/- each ..	27 0
1 Reel of Mars Aerial Wire ..	12 6
1 35 Turn Reactone Coll ..	6 0
1 50 Turn Reactone Coll ..	6 6
1 75 Turn Reactone Coll ..	7 6

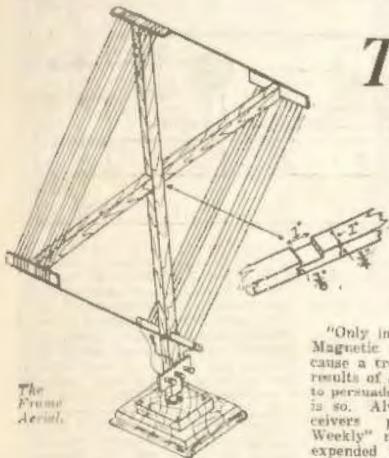
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Phone, UW 9601



The Hale One-Valver of last week will be welcomed by many. Wonderful indeed is the volume which it can produce. Many there will be who will build it, and many will convert their present standard one-valve sets to the Hale. Generally when a new comer enters the wireless field he expects too much from a standard one-valver. Seldom is it possible to get good speaker results from a one-valver set unless it is reflexed in some way or other. The principal adopted by Hale is very good, and worthy of taking further.

Old readers of "Wireless Weekly" will remember the Harkness Reflex 2-valve receiver—"The Sweetest and Loudest." Hundreds have been built and are rendering excellent service. The volume for two valves is astounding, and no one can complain about the tone quality. The Marvel Reflex, although only one-valve, is in the same category. Excellent tone and wonderful volume results.

The Hale described last week threatens to outrival the Marvel, but don't think the Hale is superior to the Marvel. Comparisons are odious, so the writer will leave constructors to judge for themselves as to the merits of different receivers.

Speaking of the Harkness Two reminds the writer of one Sunday morning recently he was called upon by a friend, who was the proud possessor of a Harkness, and who had built a second model from exactly similar parts for some friend. This second model would not give anything like the results of the first one. It differed slightly from the first only in the layout.

The HALE TWO

A two valve receiver suitable for outdoor or frame aerial—pure reproduction—stability—enormous volume.

"Only in the layout" means a lot. Magnetic field and interaction will cause a tremendous difference in the results of any receiver, but it is hard to persuade the average man that this is so. Always in the design of receivers published in "Wireless Weekly" much thought and care is expended in arriving at the most efficient layout, and if the constructor follows out the suggested scheme, results are sure to follow. If departed from—well then. It is difficult to draw any comparisons between the Marvel and the Hale for the reasons specified.

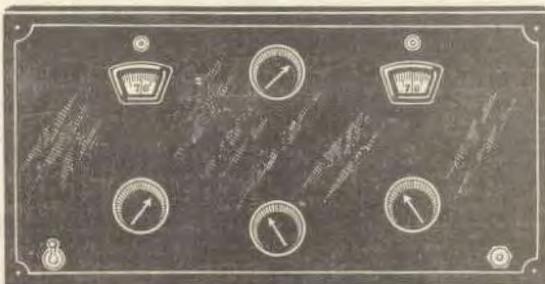
This week it is proposed to show you just how to make a two-valve Hale. There are many people who would like an extra stage of audio to produce greater volume. And it is quite an easy job. In addition this two-valver is useful for loop or frame aerial work. People living in flats and who haven't the facilities for erecting an outdoor aerial, will find the loop very handy and convenient. But the loop must be a good one.

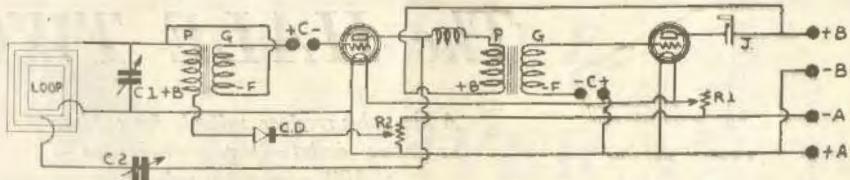
Still, let us start off with the set. It will be seen that the circuit varies slightly from that of last week. This is to permit the use of a loop or an outdoor aerial at will. When the loop is used then no coils are plugged into

the coil bases, but when the outdoor aerial is hooked on the correct sized coils must be used.

The panel is sized 18 inches long by 7 inches high. This will allow a little more space for the extra audio. Mark out the panel with a centre punch, and drill the required holes. Don't forget to cut out the windows for the bezels for the illuminated dials. These dials, of course, are not strictly necessary; ordinary dials will do, but the illuminated dials lend a charming effect to the whole receiver. The only difficulty met with in these illuminated dials is the cutting out of the windows on the panel, but Mr. C. Storm, of 51 Castlereagh Street, will do this for a few pence, by proper machinery. Follow out the scheme of mounting the panel parts even to the jack and the switch. At this stage a certain amount of wiring can be done. Consult the circuit diagram and also the back of panel wiring diagram for this portion.

The baseboard should consist of a well seasoned piece of timber about five-eighths of an inch thick. Treat this to a coat of shellac varnish and allow to dry. Then lay out the baseboard parts. Plenty of room will be found for all the parts, thus facilitating wiring to a marked extent. Note the direction in which the





The Circuit for the Loop Aerial.

primaries of the transformers and also the filament terminals of the valve sockets face. Again the Carbonium detector is mounted straight on the centre connection of the potentiometer. Note the arrangement for the loop connections.

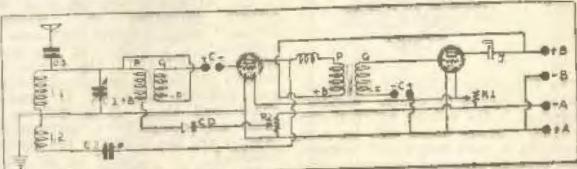
Continue the wiring, checking off carefully as you proceed. Where soldering is called for, do this carefully and neatly, allowing the joint to cool properly before attempting to pluck at the wiring. Be patient with the wiring, noting the method of connecting in the small sockets for the lamps on the dial.

When the wiring is finished, set about nicking the frame aerial. There are two or three different types of frame aerials, the most common being the knife-edge type, and the flat top or solenoid type. The knife edge is that type which is wound on the frame in a vertical manner, something like a spiral. This form of loop is dying out, as it is not nearly as efficient as the solenoid type. Here each wire is wound side by side just like a coil, and this is the better type for our purposes here. There are two or three methods of supporting the wire, but let us first discuss the frame work.

Purchase some good seasoned timber such as maple, pine or oak, of the required length. The components used

together with above-mentioned timber are as follows:—

- 1 Piece of timber, 4ft. 8in. x 1in. x 2in. for main post.
- 1 Piece of timber, 1ft. 7in. x 1in. x 2in. for cross-member.
- 100ft. mass aerial wire.
- 1 Strip Radion or Dilecta, 34in. x 1in. x 3-16in.



The Circuit for the Aerial.

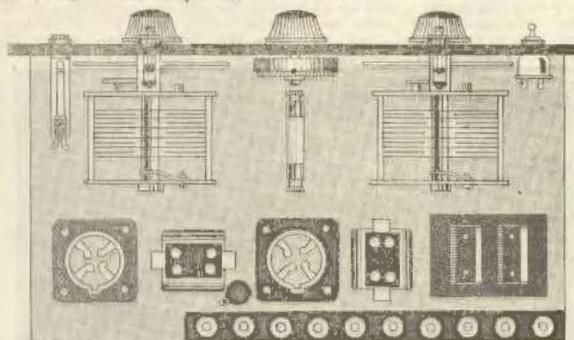
- 1 Piece of dowel-stick, 3in. long.
- 1 Piece of timber, 4in. x 4in. x 1in., for top layer of base.
- 1 Piece of timber, 6in. x 6in. x 1in., for main base.
- 2 Bakelite topped terminals.

The only other component required is the finished article, and I think the best way to complete this is by going about it in the following manner.

Take the main post and mark off 2in. of its length, cut a small niche in each corner and per means of chisel, file and sandpaper, shape it round to the size of about a 1in. dowel stick. This allows the top when completed to swivel in the base. Now proceed to the top end of the main post and from here mark off 21in., taking care,

of course, that the 1in. side of the timber is face towards you. Then again, mark off 1in. from here (23in. in all from the top). From these two marks cut, with a fine tenon saw, a hole 3-8 of an inch deep, i.e., half way through the wood. When this has been done, chisel out the timber between these joints, so no difficulty should be encountered here. Take up the ruler or a ... and measure off 3ft. 7in. from the top, and direct centre, i.e., 1in. from either side of the timber, drill a 3-8in. hole. This admits the piece of 3in. dowel stick for holding the wires. Three inches from this hole, countersink a hole large enough to admit the base end of a terminal. For future reference, let us call this hole "slot A."

Now to get on with the cross-member. Measure off 21in. from one end of the timber and then again 1in. further on. Cut holes 3-8in. deep and chisel out the unwanted timber. This, as you will see, forms the other half of the half lapped joint. We will now get on with the construction of the base. Take the piece of wood, 4in. x 4in., and to it join, by means of wood screws, the piece of 6in. x 6in., making sure, of course, that you make a nice neat fit. To make a neat



The Baseboard Layout.

appearance, shape the bottom half of the base, as shown in the diagram. Now drill a swivel hole dead in centre of the smaller base with a 9-18in. drill, cutting into the wood to a depth of about 11 inches.

The next article to be made is the terminal strip. Select one of the four pieces of Radian or Diletto, and in the centre drill a hole large enough to admit one terminal. At a distance of about 1 in. from either side of this hole drill two more for the remaining terminals.

The next move is to give your attention to the three remaining strips of Radlon. In each of these, tin from one end, cut ten niches at a $\frac{1}{2}$ in. inch separation; opposite to these cut ten more. Take a peep at the diagram and you will see what I mean. Now screw each of these three to their separate places; i.e., one on the top end of the loop, and one at each side of the cross-member. Mention should also be made of the piece of dowel stick. This may also be cut with ten niches, the name way as was the Radlon or Dilecto strips; and then placed in the 3-in. hole at the bottom end of the main post. Glue it, if possible, with the correct "wood" glue. Now give all the woodwork a coat of varnish or stain. The substances we used for this little task was nitrocello and shellac, which dries very quickly. The next step is to join the two halves of the half-lapped joint together, and they may either be glued or bolted. We have now practically come to the end of the construction. First screw the terminal board to the bottom end of the main post, making sure, of course, that you have a length of wire joined to the centre one. This centre terminal rest in "slot A," previously mentioned. Now comes the winding of the wire to the frame. First take a half-hitch around the first niche of the dowel, leaving enough spare wire to join it on to the outside terminals.

Now run the Mars aerial wire, which is supplied on a spool, to the first niche on one of the cross-member strips and proceed around and around until you have fully run off the 100-ft. of wire. This end is to be joined to the remaining terminals. I have already mentioned a length of wire dangling from the centre terminal. Well, to this end of wire join a small battery clip, allowing enough play in the wire to vary the tapping so as to obtain better reaction.

If desired, one of the commercial types of frame aerials may be used. Locally made frames include Alstrom and Grodan, both being very good. Amongst the imported variety will be found the Radiall and the Igenite. Either of these specified will be found G.E. for the Hale Two.

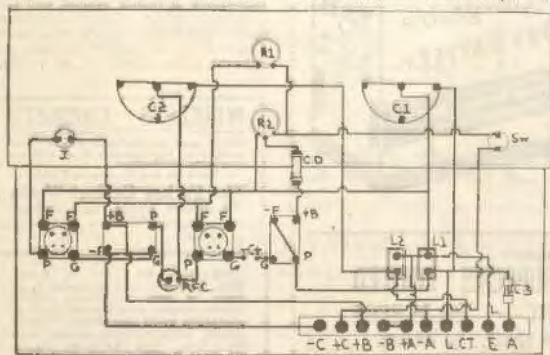
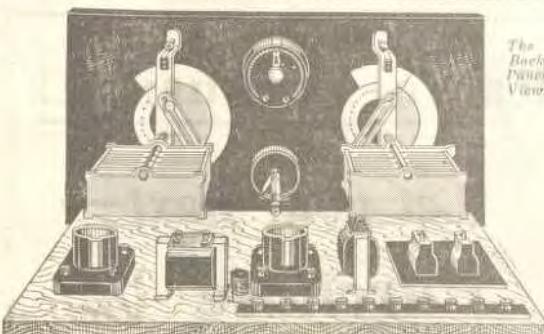
Still, when finished, try the receiver with the outdoor aerial first. Connect up the batteries, remembering what was said last week about the grid bias battery. This depends on the valves used. Try from 3 to 5 volts, varying in 1/2 volt steps. Then

choice of valves is wide, but get good recognised makes rather than the unknown. Be careful when the valves are plugged into the socket to see that the right pins fit the correct points. Now plug in a 35-turn B-section coil for the aerial coil, and a 50 or 75 Reaction for the reaction coil. Hook on aerial and earth, press the battery switch to the On position, plug in the loud speaker. When the speaker is plugged into the jack, a distinct "pop" should be heard indicating that the battery portion of the circuit is O.K.

Now try the illuminating circuit. Adjust the switch above each window so that the little lamp lights. Of course, it isn't necessary to keep these lights on all the time, only when tuning.

Turn the first or left hand dial, then tuning with the first or 3005 condenser. Soon the local station will be heard. Bring it up to its highest point by turning the reaction condenser. Don't make the set oscillate by going too much reaction condenser. The quality of signal will indicate if this happens. Musshiness or distorted music is of no interest to anyone, so be judicious in the use of condenser C2. Now look to the potentiometer. A slight adjustment will prove of some value. The highest one, as mentioned before, must not be touched again. Try for the other stations. There will be no mistaking them when you come across them—the volume will let you know. Familiarize yourself with the handling of the local station on outside aerial, then try the loop.

The diagram will show you just how to make this frame serial. Remove the gold, of course. Notice how the loop is lapped by a lead for racing purposes. Generally half way of a cent (or nothing), but often one-third to five turns are required for this purpose. Try for yourself, the Mar-a-ter's wife is bare and allows one to climb on anywhere. Remember to keep such turn in this frame quilting. This is effected



The Writing Diagram

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during construction, not by taking it out to a certain shop on its birth-day.

A frame aerial to be effective must be pointed edge on to the direction of the station from which reception is wanted. Swing the aerial around a complete 360 degrees and notice the difference in the strength of a given station. You yourself when tuning keep out of its range, or you will tune yourself into the set. This means that when you walk away, you take away the signal strength. Prove it for yourself.

You will be surprised at the frame aerial results. The loudspeaker will still speak from the local stations, but 4QG and 3LO will not be so loud, but there will be absolutely no sign of interference from any of the local stations. Adelaide 5CL came at a surprising strength on the frame at Marrickville, but not quite loud enough for Stanford Magnavox speaker to push out satisfactorily. But on the ear 'phones a good entertainment was listened to from even 3AR. The writer hasn't had long enough to play with this excellent receiver. Readers who construct it will be surprised at its many excellent qualities. It is really worth investigating, and at some later date we will give further details. In the meantime, build one and enjoy yourself.

THE SANDMAN is always on the look out for some new innovation with which to amuse the children, and, braving the cold elements, he can sometimes be seen perched on the top of 4QG with a small but fairly powerful searchlight signalling to his little radio friends. In return the youngsters acknowledge "Sandy's" greeting by waving lights of various descriptions indicating that they have spotted the searchlight signals. The innovation is rather unique, and that it appeals to the children is evidenced by the hundreds of lights being waved to and fro in all parts of Brisbane and suburbs from which 4QG is visible.

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POSITION WANTED, by Expert Radio Mechanic, long experience in all Types of Sets, at present holding charge position with big city firm, as alternative would take contract work in repairs, and alterations, specialising in Super-Hets. Own Workshop. Apply, "Mechanic," "Wireless Weekly."



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Philip's, £5/5/-;	Tungar, £8/10/-;	Balkite, £8/10/-.
Balkite Trickle Chargers		£4/7/6

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Emmco S.L.F. .0005, 12/6; .00025 and .00025, 12/-.	
Advance S.L.F., .0005, 10/6; .00025, 10/-; .00025, 9/6.	
Advance .0005, 3 Gang	30/-
.00045 Midget "Advance," 6/6; W.R.C., 5/6; Pilot, 5/9.	
Neutralising Advance, 4/6; Renegade, 3/6; Grodan, 3/9.	

KITS

Browning Drake, Airzone, 22/6; Radioke, 42/-; Grodan, 42/-.
--

Neutrodyne, Airzone, 22/6; Radioke, 32/6; Grodan, 32/6.
--

Solidyne Radioke, 75/-; Grodan, 67/8 Binocular Grodan, 32/6; Pilot, 40/-; Circloid Radioke, 45/-; All-American, 79/-
--

HOLDERS

UX De Jur .. 1/6; H and H. Porcelain, 3/6 UX Cushioned Benjamin .. 4/9; Emmco, 3/9

RHEOSTATS

Aerovox 6ohm, 1/6; 30 ohm, 2/3 Buffalo, 10 and 30 ohm ..	3/3
H. and H., 10, 20 and 30 ohm ..	4/3
Emmco, 10, 20 and 30 ohm ..	4/6

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The Famous Permanent Detector, Lion Micro,
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Complete Stocks of Philips, Mullard, Cossor,
Radiotron, Osram, A.W.A., Zetka.

LOUD SPEAKERS

Cone Type—Scala, 55/-; Musicone, 70/-; Far- rand, 80/-; Rola, 26/15/-; Tefag, 26/10/-	
Horn Type—Manhattan ..	23/6
Complete Stocks of Browns and Amplions.	

DIALS

Dials .. 2in, 1/3; 3in, 1/6; 4in, 2/6	
Bakelite Vernier, W.R.C., 6/6; Emmco, 7/6	
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BROADCASTING PROGRAMMES

for the COMING WEEK

Friday, June 17
2BL, SYDNEY.

Broadcaster's Ltd.
Wave Length, 353 Metres.

Friday. DAY SESSION.

- 11 a.m.—G.P.O. Clock and Chimes.
11.10 a.m.—Musical programme from the Studio.
11.10 a.m.—News from the "Sun."
11.20 a.m.—Talk on Croquet by Miss G. Varley, Broadcasters' Women's Sports Authority.
Social Notes. Replies to correspondents by Mr. Jordan.
Talk on "Thrifty Dishes" by Mrs. Jordan.
12 noon—G.P.O. Clock and Chimes.
12.15 p.m.—Special Ocean Forecast and Weather Report.
12.30 p.m.—Musical programmes from the Studio.

- 12.15 p.m.—Information: Mails and Shipping and movements of important ships.
12.16 p.m.—Sydney Stock Exchange Calls.
12.18 p.m.—Sports can be seen by the "Sun."
12.20 p.m.—Fruit Market Report.
12.21 p.m.—Vegetable Market Report.
12.22 p.m.—London Metal Market Report.
12.24 p.m.—Dairy and Farm Produce Market Report.

- 12.27 p.m.—Racing resume.
12.30 p.m.—G.P.O. Clock and Chimes.
12.31 p.m.—Musical programme from Studio.
12.40 p.m.—Sporting Information ("Sun").
12.45 p.m.—Hillside Instrumental Quartet: direction, Caryl Gaedig.
12.50 p.m.—G.P.O. Clock and Chimes.
12.55 p.m.—News from the "Sun."
1.40 p.m.—Musical programme from the Studio.
1.50 p.m.—Sydney Stock Exchange Calls.
1.55 p.m.—News from the "Sun."

- 1.55 p.m.—G.P.O. Clock and Chimes.

RADIO BROADCASTS IMMEDIATELY AFTER EACH RACE BY COURTESY OF THE "SUN."

- 2.1 p.m.—Talk to children and special entertainment for children in Hospital.
2.20 p.m.—News from the "Sun."
2.25 p.m.—G.P.O. Clock and Chimes.
2.31 p.m.—Musical programme from the Studio.
2.41 p.m.—News from the "Sun."
2.51 p.m.—Musical programme from the Studio.
2.55 p.m.—G.P.O. Clock and Chimes.
3.10 p.m.—News from the "Sun."

- 3.15 p.m.—Wellcome Stores Trio: direction, Miss de Courcy Bremer.

- 3.20 p.m.—G.P.O. Clock and Chimes.
3.21 p.m.—News from the "Sun."

- 3.40 p.m.—Musical programme from the Studio.
3.45 p.m.—News from the "Sun."

- 3.45 p.m.—Civil Service Stores Trio.

- 4.15 p.m.—Serial Story.
4.30 p.m.—G.P.O. Clock and Chimes.

- 4.45 p.m.—Musical programme from Studio.
4.50 p.m.—News from the "Sun."

- 4.50 p.m.—Racing resume.
4.52 p.m.—Producers' Distributing Society's Fruits and Vegetable Market Report.

- 4.54 p.m.—Resume of night's programme.
4.54 p.m.—Announcements.

- 4.58 p.m.—Special Ocean Forecast.
5 p.m.—G.P.O. Clock and Chimes.

Closes DAWN.

EARLY EVENING SESSION.

- 5.15 p.m.—G.P.O. Clock and Chimes.
5.45 p.m.—Uncle George and the Kiddies.

- 5.45 p.m.—Musical programme from the Studio.

SPECIAL COUNTRY SESSION.

- 7 p.m.—G.P.O. Clock and Chimes.
Australian Merchantile 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 Report.
Grain and Feeders Report ("Sun").
Dairy Produce Report ("Sun").
7.30 p.m.—Sporting News from the "Sun."
7.30 p.m.—Talk on "Gardening Science" by Mr. Cooper, Park Superintendent, City Council.

NIGHT SESSION.

- 8 p.m.—G.P.O. Clock and Chimes.
Broadcaster's Trio: direction, Mrs. Hilda Lane (contralto).
8.10 p.m.—Mr. David Smith (baritone).
8.17 p.m.—Miss Marie Maxwell (mezzo-soprano).
8.24 p.m.—Mr. Sydney Hollister (tenor).
8.31 p.m.—Broadcasters' All-Sports Expert (with Mr. Hollister).
8.45 p.m.—Broadcasters' Trio.
8.55 p.m.—Resume of following day's programme.
9 p.m.—G.P.O. Clock and Chimes.
Weather Report and Forecast by courtesy of Govt. Meteorologist.
9.12 p.m.—Mr. Alfred Yonk (reciter) tenor with his piano accompanist.
9.15 p.m.—Mr. Frank Ryan (mezzo-soprano).
9.16 p.m.—Miss Lina Murray (contralto).
9.22 p.m.—The Sporting Edition of the "Sun" with talk on the prospects of Saturday's Racing.

- 9.45 p.m.—Broadcasters' Trio.

- 9.50 p.m.—Miss Hilda Lane.

- 10 p.m.—G.P.O. Clock and Chimes.

- 10.11 p.m.—Mr. David Smith.

- 10.18 p.m.—Miss Marie Maxwell.

- 10.25 p.m.—Mr. Sydney Hollister.

- 10.25 p.m.—News Reports by courtesy of the "Sun" Newspapers.

- 10.28 p.m.—Mr. Alfred Yonk.

- 10.35 p.m.—Mr. Frank Ryan.

- 10.40 p.m.—Miss Lina Murray.

- 10.45 p.m.—Broadcasters' Trio.

- 11 p.m.—G.P.O. Clock and Chimes.
National Anthem.

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

- 2FC—Farmer's Broadcasting Station, Ltd., Sydney, wavelength 445 metres, power 5000 watts.

- 2BL—Broadcasters' Ltd., Sydney, wavelength 325 metres, power 5000 watts.

- 2GB—Theosophical Broadcasting Station, Ltd., Sydney, wavelength 318 metres, power 300 watts.

- 2KL—Trades and Labor Council, Sydney, wavelength 280 metres, power 1500 watts.

- 2LW—Offices Sandel, Sydney, wavelength 267 metres, power 500 watts.

- 2MK—Mackellar Bros., Bathurst, wavelength 260 metres, power 500 watts.

- 2UE—Electrical Utilities Supply Co., Sydney, wavelength 293 metres, power 250 watts.

- 2HL—Hargan Electric Co., Sydney, wavelength 116 metres, 100 watts.

- 2HN—H. A. Daniels, Newcastle, wavelength, 288 metres, 100 watts.

2GB, SYDNEY

Theosophical Broadcasting Service
Wave Length, 318 Metres.

Friday.

MORNING SESSION.

- 9 a.m.—Music.
9.15 a.m.—Choral Talk.
9.30 a.m.—Music.
9.45 a.m.—Psychological Class.
9.45 a.m.—Music.
9.45 a.m.—Health and Diet.
10 a.m.—Close down.

AFTERNOON SESSION.

- 3.30 p.m.—Music.
3.37 p.m.—Talk.
3.52 p.m.—Music.
4.17 p.m.—Talk.
4.22 p.m.—Music.
4.59 p.m.—Close down.

EVENING SESSION.

- 4.45 p.m.—CHILDREN'S SESSION.
5 p.m.—Music.
5.15 p.m.—"Visi-Section" by Mr. Kingsford Smith.
5.30 p.m.—Music.
5.45 p.m.—Talk by Mr. J. E. Powell.
5.55 p.m.—Instrumental Trio: DAN SCULLY, MURIEL LANG, ADA BROOK.
6 p.m.—Address by President, Kiandra Wood.
6.20 p.m.—Song by Mr. Shilton.
7 p.m.—"She is Far from the Land."
7.15 p.m.—"The Death."
7.30 p.m.—A half-hour with the RIB String Quartet.
7.45 p.m.—LLOYD DAVIES, MONICA HODDER, MURIEL LANG, CHARLES ROULT.
8 p.m.—Address by Mr. H. E. B. Rawson.
8.15 p.m.—Violin solo by DAN SCULLY.
1 p.m.—Lamento (Hawthorn).
2 p.m.—"Belladonna" (Kreisler).
2.30 p.m.—Musical Monologue by J. E. Powell.
1 p.m.—Song by Mr. Shilton.
2 p.m.—Song by Mrs. Pierce.
3 p.m.—"Morning Star".

- 3.45 p.m.—Instrumental Quartet: LLOYD DAVIES, MONICA HODDER, DAN SCULLY, ADA BROOK.
4.15 p.m.—Movement from "Clock Symphony" (Haydn).
4.51 p.m.—Talk.
5 p.m.—Close down.

3LO, MELBOURNE.

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

Friday.

- NIGHT SESSION.**
- The Team in God's Coach, which He drives through every part of the ground in the world, meets each end, and pulverising the whole. (Walker).
- 7.15 p.m.—Under the auspices of the AGRICULTURAL DEPARTMENT: Mr. V. de CASTILLA, veterinarian, will speak on "Vaccination".
- 7.45 p.m.—"THE BUSHING GOSSIP OF THE A.R.C." (With apologies to Shakespeare.)

7.30 p.m.—STUDIO ORCHESTRA: "No, No, Nanette" (Hoffman).
7.40 p.m.—ONARA AND BURKE: "Old Time Music Hall Songs".
7.50 p.m.—TASMA TERNAN, cello: "Nina Ferguson".
8 p.m.—MADOLINE KNIGHT, contralto: "Sh'd be the Night" (Bohus).
"My Treasure" (Trevoran).
8.15 p.m.—COLLINGWOOD CITIZENS' BAND, Amphion March.
8.30 p.m.—"In G" (Bastille).
8.27 p.m.—The Royal Automobile Club of Victoria's Safety Message for to-day is for Motorists:

"Always wait for a suitable place when you wish to overtake on a narrow road and sound the horn before overtaking."

8.28 p.m.—CAHILLON CHASE: "Merry Musical Moments".
8.35 p.m.—STUDIO ORCHESTRA:

"Cuban Girl"; "A Little Bit of Heaven".
8.45 p.m.—Mr. J. P. CASTLEY, who is making a tour of the world by motor cycle, will sing for a few moments.

8.55 p.m.—COLLINGWOOD CITIZENS' BAND Intermission: "Dreamland Lulla".
Bell obligato, Mr. G. Salmon.

Fox Trot: "On the Riviera".

8.57 p.m.—MR. H. K. LOVE: "Technique".

8.57 p.m.—MR. HARRY NORTH, concertina: "Whispering Waves".

8.58 p.m.—STUDIO ORCHESTRA:

"Alma Flute" (Mozart).
(Wolfgang Mozart was born at Salzburg in 1756. He wrote "Flute Magic" in spite of failing health, produced in 1791, and died some months later.)

8.59 p.m.—MR. C. J. WILLIAMS: "Tomorrows's Wrestling".

8.59 p.m.—ELSO STRALIA AND MAXIM BRODIE:

Maxim Brod: "Omaria O'Quella" (Verdi).
"Lay by heart beneath a Rose" (Favencio).

Elso Stralia: "A Night of Love" (Spier).

Denzil: "Love the Moon" (Maurice).

8.55 p.m.—STUDIO ORCHESTRA:

"Maudy Serenade" (Drimo).

10 p.m.—Metropolitana information. Road notes supplied by the Royal Victorian Automobile Club of Victoria.

10.10 p.m.—THE FUTURISTS present their Radio Revue, "BY REQUEST".

In this programme THE FUTURISTS will be pleased to repeat any item from any of the Revues presented by them during their season with R.V.R.

10.20 p.m.—"Arena" news service. British official wireless news from Rugby.

10.25 p.m.—COLLINGWOOD CITIZEN'S BAND:

Selection, "Carmen".

10.45 p.m.—JOE BRENNAN AND IDA NEWTON:

Ida Newton: "Since Mother Bother Her Hair".

Joe Brennan: "I'm very fond of my dear wife".

10.45 p.m.—"Charlamin," Mr. J. Wolfe, specialist singer of "G" Saturday races.

11 p.m.—OUR GREAT THOUGHT:

"Character is the product of daily, hourly actions and words and thoughts; daily forgiveness, unselfishness, kindness, sympathies, charities sacrificed for the good of others, struggles against temptation, subtilities under trial. Oh, it is theme like the blending colors in a picture or the blending notes of music which constitutes man—an individual".

11.15 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:

"Moonlight on the Genesee" (Wallace).
"Some other bird whistled a tune" (Bryan).

"While the Years Go Drifting By" (Meyer).

"Clap Hands, Boys Comes Charlie" (Meyer).

"Mignonne" (Nichols).

"It Made You Happy" (Donaldson).

"Can'tin' on the Piano" (Innes solo) (Contrey).

"Sweetie" (Wynona).

"Meadow Lark" (Poirier).

"Stepping in Society" (Akri).
"Where Did You Get Your John" (Marko).
"Uncle Tom's Moon" (Lambert).
"You Need Someone to Love" (Olson).
"Hi, Ho, the Merrie" (Brown).
"St. Louis Blues" (Handy).
"I Want a Pardon for Daddy" (Reed).
"That's My Girl" (Davis).
"Reaching for the Moon" (Davis).
11.40 p.m.—GOD SAVE THE KING.

8.30 p.m.—Studio Orchestra: Selection, "What's in a Man" (Agee).
8.45 p.m.—Miss Dulce Joseph, soprano: "Aubade" (Le Ron Pays).
"I know a lovely garden" (Guy de Maupassant).
8.52 p.m.—Studio Orchestra: "Three Dances from Henry VIII." (Grimm).
8.45 p.m.—Mr. B. Petter, violin: "Caruso Song" (Stewart).
8.50 p.m.—Studio Orchestra: "A Day in May" (Primal).
8.50 p.m.—G.P.O. time signal chime. Second weather forecast.
8.50 p.m.—DAB Dance orchestra:
"The Wind" (Wind).
"Oh, if I had your eyes".
"Seduce me, love me".
4.20 p.m.—Miss Dulce Joseph, soprano: "I love the moon" (Robbeus), request.
"Waistie Girl" (Hill).
4.25 p.m.—Studio Orchestra: Selections.
4.55 p.m.—To-night's city amusement guide.
4 p.m.—G.P.O. time signal. Close Down.

EARLY EVENING SESSION.

5.45 p.m.—Children's Corner. Jimmy Jackson and the Farmyard Five.
7.50 p.m.—Mr. George Bentle, of the Daniels Physical Culture College. Physical culture talk.

EVENING SESSION.

7.45 p.m.—British Official Wireless Press; Studio Barometer and Outdoor Thermometer Readings; Racing Anticipations and Sporting Events of the Ensuing Week, re-televised by FIELD GLASSES.

7.45 p.m.—HARMONY AND HUMOR: 5.00 p.m.—G.P.O. Time Signal; Mr. Walter Quirke, Pianist. "Prefuge in G Minor" (Bachmannoff), by request.

8.45 p.m.—Miss Biddy English, Soprano, "I wet Boux, I wet Boux" (Masenoff).
8.45 p.m.—Mr. Bert Shilling, Comedian, in "Hannibal".

8.15 p.m.—Miss Edna Hattenback, Cello, "Cecilie" (a Highland Lament (Barrett). "Terantella" (Square)).

8.25 p.m.—Mr. J. Harcourt-Bailey, Entertainer, "The Cremation of Sam McGhee" (Rolt, Service).

8.30 p.m.—Miss Florrie Gordon, Contralto, "Robin Adair" (Old Scotch). "A Little Coon's Prayer" (Hope).

8.30 p.m.—Mr. Syd. Falk, Piano, "Poisonous" (Bose). "Adagio Mobile" (Donjon).

8.45 p.m.—Mr. Bert Palmer, Baritone, "Rock-a-bye Baby" (Carroll). "Smilin' Thru" (Fein).

8.55 p.m.—Miss Biddy English, Soprano, Negro Spiritual, "Nobody Knows the Trouble I've Seen" (Burleigh). "The Old Rose of Summer" (Moore).

9.00 p.m.—Miss Royina Chisholm, M.A., Principal of the Emily McPherson College of Domestic Science, in a talk of special interest to everybody.

9.15 p.m.—Mr. Bert Shilling, insists on a little more humor.

9.20 p.m.—Miss Edna Hattenback, Cello, "Liberator" (Hecker). "Melody" (Rubinstein).

9.30 p.m.—Miss Florrie Gordon, Contralto, "They Say" (Warrick Evans). "My Ships" (Burratt).

9.35 p.m.—Mr. J. Harcourt-Bailey, Entertainer, "After Twenty Years" (O'Henry).

9.45 p.m.—Mr. Syd. Full Flute, "The Nightingale" (Donjon). "In the Forest" (Parcival).

9.55 p.m.—Mr. Bert Palmer, Baritone, "Rhythm Range" (Contres). "Hush a Morn" (Pether).

10.00 p.m.—G.P.O. Chimes: "Aga" News Bulletin, exclusive to 3AR; Studio Barometer Readings.

Dancing Hour: Transmitted from Leggett's Ballroom in Prahran. Orchestra conducted by Mr. Harry Nangle.

11.00 p.m.—G.P.O. Chimes; Close Down.

SAR, MELBOURNE

Associated Radio Co.
Wave Length, 484 Metres.

Friday

11 a.m.—Selections on the Brunswick Panoptope.

11.30 a.m.—British official wireless press received from Ebury super wireless station, England.

Events of the day.

First weather forecast.

Events of the day.

12.35 p.m.—Musical selections from the Studio.

12.40 p.m.—Musical selections from the Studio.

12.55 p.m.—Mail notes.

Shipping movements.

1 p.m.—Close down.

AFTERNOON SESSION.

2.30 p.m.—Studio Orchestra: "Incidental music to Monnaie Beaucaire" (Rossini).

2.45 p.m.—Mr. Ernie Pettifer, clarinet: "1st movements of Verheyen Concerto in D Minor".

2.45 p.m.—SAR Dance Orchestra: "Fox telling his birds telling his breez" (Fox Trot). "Sum of old Arondson Man" (Fox Trot). "Song of the Wanderer" (Fox Trot).

3.55 p.m.—Miss E. Keeley, pianof. "2nd Valse" (Godard).

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

3.10 p.m.—Broadcasting Company of Australia, Ltd, Melbourne, wavelength 313 metres, power 6000 watts.

4.01 p.m.—Queensland Radio Service, Brisbane, wavelength 335 metres, power 4000 watts.

4.22 p.m.—ABC Broadcasters' Ltd, Adelaide, wavelength 335 metres, power 2000 watts.

4.26 p.m.—Western Farmers' Ltd, Perth, wavelength 1239 metres, power 6000 watts.

7.21 p.m.—Tasmanian Broadcasters, Ltd, Hobart, wavelength 355 metres, 2000 watts.

7.45 p.m.—Associated Radio Co., Ltd, Melbourne, wavelength 484 metres, power 1600 watts.

7.48 p.m.—Druidic Business and Technical College, Melbourne, wavelength 235 metres, power 500 watts.

8.25 p.m.—Mr. J. Nelson & Co, Melbourne, wavelength 315 metres, power 100 watts.

4.48 p.m.—Gold Radio Electric Service, Toowoomba, Queensland, wavelength 294 metres, power 1000 watts.

5.24 p.m.—Sport Radio Broadcasting Station, Adelaide, wavelength 350 metres, power 1000 watts.

5.24 p.m.—DNB Pty. Ltd, Adelaide, wavelength 313 metres, 300 watts.

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SYDNEY.**

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4QG, BRISBANE

Queensland Radio Service.
Wave Length, 385 Metres.

Friday

MIDDAY SESSION.

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

FROM HOTEL CARLTON:

12.30 p.m.—Lunch time music played by Hotel Carlton Symphony Orchestra.

FROM THE OBSERVATORY:

1.30 p.m.—Standard time signal.

2 p.m.—Close down.

AFTERNOON SESSION.

FROM HOTEL CARLTON:

1.30 p.m.—Afternoon tea music played by Hotel Carlton Symphony Orchestra.

FROM THE STUDIO:

1.45 p.m.—News service supplied by "The Telegraph."

1.45 p.m.—Close down.

EARLY EVENING SESSION.

6 p.m.—"Daily Standard" news, weather information, announcements.

6.30 p.m.—Bedtime stories by "The Sandman."

7 p.m.—Market report, stock reports.

7.30 p.m.—Weather news, announcements.

7.45 p.m.—Standard time signal.

NIGHT SESSION.

The annual dinner of the Australian Journalists' Association, which will be held at Hotel Carlton and which will be attended by His Excellency the State Governor (Sir John Goodwin), will be relayed.

There will be a musical programme and several speeches during the course of the evening.

FROM HOTEL CARLTON:

Annual Dinner of Australian Journalists' Association

FROM THE STUDIO:

1.45 p.m.—Weekend road information for motorists, officially supplied by the Royal Automobile Club of Queensland;

Weather news; football news;

Close down.

5CL, ADELAIDE

Central Broadcasters, Ltd.

Wave Length, 395 Metres.

Friday.

MORNING SESSION.

12 noon—G.P.O. chimes.

1.21 p.m.—Rehearsals on the "New Reproducing Somers" and the "Automatic Reproducer."

1.30 p.m.—Advertiser's news service.

1.45 p.m.—Market reports.

1.45 p.m.—G.P.O. chimes.

1.45 p.m.—Rehearsals on the "New Reproducing Somers" and the "Automatic Reproducer," continued.

2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

2 p.m.—G.P.O. chimes.

2.15 p.m.—Relax from the Maple Leaf Cafe—Orchestral selections.

2.45 p.m.—From the Studio—Rehearsals on the "New Reproducing Somers" and the "Automatic Reproducer."

3 p.m.—G.P.O. chimes.

3.15 p.m.—Relax from the Arcadia Cafe—Orchestral selections.

3.35 p.m.—Station announcements.

3.45 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

5 p.m.—G.P.O. chimes.

5.15 p.m.—Dinner music by the Crescent Garden Band.

5.30 p.m.—Children's bedtime stories.

7.30 p.m.—Market reports.

7.45 p.m.—Sporting talk by "Metropolitana."

7.50 p.m.—Football talk by Mr. E. Johnston.

7.55 p.m.—G.P.O. chimes.

7.55 p.m.—Orchestra, Miss Valda Harvey.

8.10 p.m.—Maleolin Band Orchestra.

8.45 p.m.—Child entertainer, Miss Dorothy Baker.

9 p.m.—G.P.O. chimes.
9.1 p.m.—Weather report.
9.3 p.m.—Dalyell's weather report.
9.5 p.m.—Mrs. A. C. Williams' Mandolin Band.
10.15 p.m.—Talk by a Veterinary Surgeon of the Stock and Brand Department.
10.30 p.m.—Violin solo, Mr. Gilbert Casey.
10.45 p.m.—Child entertainer, Miss Dorothy Baker.

10.55 p.m.—One-act comedy, Mr. Frank Johnson and Miss K. Wishart.

10.45 p.m.—Song, Miss Valda Harvey.

10.55 p.m.—Mrs. A. C. Williams' Mandolin Band.

10.55 p.m.—G.P.O. chimes.

10.15 p.m.—"Advertiser" news service.

10.15 p.m.—Child entertainer, Miss Dorothy Baker.

10.15 p.m.—Recitation (humorous), Mr. F. Johnstone.

10.25 p.m.—Song, Mr. Eric Wickens.

10.25 p.m.—Violin solo, Mr. Gilbert Casey.

10.25 p.m.—Song, Miss Valda Harvey.

10.25 p.m.—Mrs. A. C. Williams' Mandolin Band.

10.25 p.m.—Recitation (humorous), Mr. Frank Johnstone.

10.45 p.m.—Song, Mr. Eric Wickens.

10.45 p.m.—Violin solo, Mr. Gilbert Casey.

10.45 p.m.—Mrs. A. C. Williams' Mandolin Band.

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

11 p.m.—G.P.O. chimes and close down.

7.20 p.m.—Stock and Share intelligence.
Market reports.
Cables, News by courtesy of "The West Australian" Newspaper Co.

7.45 p.m.—Talk—"Books of the Month" by Mr. J. P. RATIGATE.

Stock and share intelligence.
Market reports.

Cables, News by courtesy of "The West Australian" Newspaper Co.

8 p.m.—Telemeteor from Perth Observatory.

8.15 p.m.—Weather Notes supplied by the Meteorological Bureau of Western Australia.

POPELAR NIGHT.

8.3 p.m.—Musical programme, including articles,

Items by the Miles Mason and De Berlay, Instrumental Duo, Bio of the ms. Ratoomba.

10.15 p.m.—"Gardening Notes" by Mr. M. A. Hulse, representing Messrs. Dawson and Harcourt.

10.30 p.m.—Late News item by courtesy of "The Daily News" Newspaper Co.

Ships within range announcement.

Weather report and forecast.

10 p.m.—Health talk by Mr. H. S. Easton.

10.30 p.m.—Close down.

6WF, PERTH

Westralian Farmer's.

Wave Length, 1250 Metres.

Friday

12.30 p.m.—Tune in.

12.55 p.m.—First Local News Bulletin.

Cable news.

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

1.15 p.m.—Weather Notes supplied by the Meteorological Bureau of Western Australia.

1.20 p.m.—STUDIO QUINTETTE.

2 p.m.—Close down.

3.30 p.m.—Tune in.

3.45 p.m.—Musical programme.

4 p.m.—Close down.

4.45 p.m.—Tune in.

5.00 p.m.—Musical evening for the kiddies by Aunt Evelyn and Uncles Henry, Leslie, Perry and Duffy.

Saturday, June 18

2BL, SYDNEY.

Saturday

DAY SESSION.

11.45 a.m.—G.P.O. Clock and Chimes.

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

11.55 a.m.—"Sun" Stories. Reply to correspondence by Mrs. Jordan.

Talk on "Candy Making for Children" by Mrs. Jordan.

12 noon—G.P.O. Clock and Chimes.

12.15 p.m.—Special Oscar Forecast and Weather Report.

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

12.45 p.m.—News from the "Sun."

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

12.45 p.m.—G.P.O. Clock and Chimes.

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

1.15 p.m.—Talk on football and Athletic fixtures for the day: Laurenhol, Hockey, Tennis, Football, Sailing, Throwing.

During the afternoon sport information will be broadcast by courtesy of the "Sun."

Match reports, accompanied with musical programmes from the Studio.

4.30 p.m.—Review of night's programmes.

5 p.m.—G.P.O. Clock and Chimes.

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

5.15 p.m.—Talk on football and Athletic fixtures for the day: Laurenhol, Hockey, Tennis, Football, Sailing, Throwing.

During the afternoon sport information will be broadcast by courtesy of the "Sun."

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

8 p.m.—G.P.O. Clock and Chimes.

Badminton, Tennis, Bowls, Tennis, Athletics.

During the afternoon sport information will be broadcast by courtesy of the "Sun."

National Anthem.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes.

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

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

7.15 p.m.—Reviews of all sporting information, including Cricket, Tennis, Bowls, Tennis, Athletics.

During the afternoon sport information will be broadcast by courtesy of the "Sun."

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

8 p.m.—G.P.O. Clock and Chimes.

Badminton, Tennis, Bowls, Tennis, Athletics.

During the afternoon sport information will be broadcast by courtesy of the "Sun."

National Anthem.

NEW ZEALAND STATIONS:

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

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

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

Power 120 Watts; Wave-length, 295 Metres.

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

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

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

Power 750 Watts; Wave-length, 380 Metres.

2YM, The Gisborne Radio Co., Gisborne.

Power 50 Watts; Wave-length, 260 Metres.

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INTERNATIONAL RADIO CO. LTD.
200 Castlereagh Street, Sydney

3LO, MELBOURNE.

Saturday,

MORNING SESSION.

- 11.45 a.m.—STUDIO ORCHESTRA, "Wings" (Beeches).
- 11.45 a.m.—O'MARA AND BURKE, Entertainers from the Emerald Isle. Anna Burke, "Little Bit of Heaven," O'Mara, "Bard of Armagh"—Patter.
- 11.50 a.m.—DOROTHY ROXBURGH, "Two Old French Dances."
- 11.55 a.m.—STUDIO ORCHESTRA, "Jolly Robbers" (Sparke).
- 11.57 a.m.—ARTHUR DOUGLAS, Comedian, "Laugh-a-liebits."
- 11.44 a.m.—HARRY NORTH, Concertina, Marches.
- 11.52 a.m.—STUDIO ORCHESTRA, "March Solemnelle" (Cui).
- 12 noon.—Time Signals; British Official Wireless News, French Radio, Reuters and the Australian Press Association; Calcutta "Arrow" News Service.
- 12.20 p.m.—STUDIO ORCHESTRA, "Italian in Algeria" (Rossini).
- 12.30 p.m.—JOE BRENNAN AND IDA NEWTON, "Secrets." Joe Brennan, "Othello's Speech to the Senate" (Shakespeare).
- 12.44 p.m.—Stock Exchange Information.
- 12.48 p.m.—AGNES FORTUNE, Piano, "Gavotte" (Rubinstein).
- 12.50 p.m.—STUDIO ORCHESTRA, "A Day in Naples" (Byng).
- 1.00 p.m.—MADOLINE KNIGHT, "My Air Folk" (Lemon).
- 1.05 p.m.—HARRY NORTH, Concertina, "Popular" (Barrett).
- 1.15 p.m.—Meteorological Information; Shipping Intelligence; Weather Forecast for Victoria, Tasmania, South Australia, and New South Wales; Ocean Forecast; River Reports.
- 1.20 p.m.—STUDIO ORCHESTRA, "The Love of a Fever" (Lancier).
- 1.30 p.m.—Description of Treadmills Hurdle, 2 miles, 65 yards, Caulfield Races, "Musket" of the "Sporting Globe."
- 1.35 p.m.—MADOLINE KNIGHT, Contralto, "Beneath Thy Window." Southern's "Song of Calling."
- 1.42 p.m.—CARLTON CHASE, "Where the Bonny Heather Blooms," "Poor Pau."
- 1.45 p.m.—WALTER SMITH, Cariet, "Castles in the Air."
- 1.55 p.m.—STUDIO ORCHESTRA, "Sweet Melody."
- 2.00 p.m.—Close Down.
- 2.15 p.m.—Description of Minook Two-Year-Old Handicap, 7 furlongs, Caulfield Races, by "Musket" of the "Sporting Globe." Close Down.
- 2.40 p.m.—LEAGUE FOOTBALL, NORTH MELBOURNE v. CARLTON. Description by Mr. Rod McGregor from North Melbourne Football Ground.
- 2.55 p.m.—Description of Richmond Handicap, mile, 3 furlongs, CAULFIELD RACES, by "Musket" of the "Sporting Globe."
- 3.00 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS, "What's the Use of Crying" (Forbesstein), "Hello, Bluedbird" (Friend), "Just a Bird's Eye View" (Donaldson), "If You See Salty" (Kahn), "Somebody's Lousy" (Davis), "Sam, the Old Accordion Man" (Donaldson).
- 3.15 p.m.—LEAGUE FOOTBALL, NORTH MELBOURNE v. CARLTON, at Quarter-time. Description by Mr. Rod McGregor from the Melbourne (North) Football Ground.
- 3.25 p.m.—Description of Wands Steeplechase, 2 miles, CAULFIELD RACES, by "Musket" of the "Sporting Globe."

- 3.35 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS, "Baby Face" (Akot), "Ting-a-Ling—Waist of the Bell" (Britt), "Mary, Land" (Lyman), "Chinese Moon" (Nashman), "This Man We Are Forbidding" (Campbell).
- 3.50 p.m.—Description of Ladies' Hockey Match, England v. Australia. Described by Miss Valentine Leaper.
- 4.00 p.m.—Description of Cambria Welter, 1 mile, 4 furlongs, CAULFIELD RACES. Described by "Musket" of the "Sporting Globe."
- 4.15 p.m.—LEAGUE FOOTBALL, NORTH MELBOURNE v. CARLTON, at half-time. Description by Mr. Rod McGregor from North Melbourne.
- 4.17 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS, "I'm On My Way Home" (Berlin), "Camille" (Sherman), "Kufferready" Piano Solo (Barry), "Climbing Up The Ladder of Love."
- 4.25 p.m.—Description of Ladies' Hockey Match, England v. Australia. Described by Miss Valentine Leaper.
- 4.35 p.m.—Description of Seven Plates & Fourlongs, CAULFIELD RACES. Described by "Musket" of the "Sporting Globe."
- 4.40 p.m.—LEAGUE FOOTBALL, NORTH MELBOURNE v. CARLTON, at Three-quarter time. Described by Mr. Rod McGregor from North Melbourne.
- 4.50 p.m.—"Herald" News Service; Stock Exchange Information.
- 5.00 p.m.—LEAGUE FOOTBALL, NORTH MELBOURNE v. CARLTON, Final Scores. Description by Mr. Rod McGregor from North Melbourne.
- 5.10 p.m.—Close Down.
- (Previous results will be given during the afternoon of the 25-mile Walking EVENING SESSION.
- 5.30 p.m.—Sporting Results.
- 5.40 p.m.—Answers to Letters and Birthday Greetings.
- 6.00 p.m.—ARTHUR DOUGLAS, Comedian, will entertain the children with a funny Song.
- 6.15 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE, for today is—
- CHILDREN.**—"Never chase your ball nor young playmate out to the roadway. Never stand ride on vehicles nor throw things at drivers or passengers."
- 6.2 p.m.—"LITTLE MISS KOOKABURRA" is going to tell the story of, "Tony's Hedgehog."
- 6.12 p.m.—JOE BRENNAN AND IDA NEWTON, "Old Tramp and His Dog," Joe Brennan, "A Story for the Children."
- 6.20 p.m.—"LITTLE MISS KOOKABURRA" will tell her bigger "Kookaburraettes" more about, "The Cruise of the Saucy Jane."
- 6.30 p.m.—"Argus" and "Herald" News Service; Weather Synopsis; Shipping Movements.
- 6.47 p.m.—Stock Exchange Information.
- 6.52 p.m.—Fish Market Report, by J. R. Borrelli, Ltd.; Rabbit Prices.
- 6.55 p.m.—River Reports.
- 6.58 p.m.—Market Reports by the Victorian Producers' Co-operative Company, Ltd.; Newmarket Sheep Sales; Poultry; Grain; Hay; Straw; Jute; Dairy Produce; Potatoes and Onions.
- 7.00 p.m.—Market Reports of Fruit by the Victorian Fruiterers' Association, compiled by "The Fruit World," exclusive to 3LO.

NIGHT SESSION.

- Accompanist AGNES FORTUNE
Announcer ALFRED ANDREW
7.15 p.m.—MR. R. HOLBROOK, President of the Brunswick Football Club, will speak on: "Phases in the Building of an Association Football Club."
- 7.30 p.m.—MR. E. E. PESCHOTT, will speak on: "Australian Boronias and Warflowers."
- 7.45 p.m.—DR. LEACH, will speak on: "Curlews and Stone-Curlews."
- "Echoes that roll from soul to soul,
And grow forever and forever."
(With Apologies to Tennyson.)
- 8.00 p.m.—MATVERN TRAMWAYS BAND, March, "The Last Stand" (Macdonald). Moreau, "Pomona" (Donaldson).
- 8.10 p.m.—ELSA STRAUSS AND MAXIM BROD, "The Golden Marriage" (Puccini). Esposito (O'Hagan).
- 8.15 p.m.—"Aria Cavalierina" (Liszt). "Duet" (Turina).
- 8.20 p.m.—"Butterfly" (Puccini). ANNIVERSARY OF THE BATTLE OF WATERLOO.
- 8.25 p.m.—MR. J. LOWLETT ROSS, will speak on: "Waterloo."
- 8.40 p.m.—MATVERN TRAMWAYS BAND, "Gems of Harmony" (Thomas).
- 8.45 p.m.—MR. NICHOLAS MCNAUL, will describe last night's STADIUM event.
- 8.50 p.m.—THE FUTUREISTS.
- "Some Careless Songs and a Little Non-sense."
- 8.55 p.m.—Announcements and Late Sporting Results.
- 8.58 p.m.—The Royal Automobile Club of Victoria's Safety Message for today is to CHILDREN.
- "Never chase your ball nor your playmate on to the roadway. Never stand ride on vehicles nor throw things at drivers or passengers."
- 8.58 p.m.—MATVERN TRAMWAYS BAND, "Humorous Parades."
- 9.00 p.m.—"We Go to the Woods" (Howkins).
- 9.12 p.m.—OUR GREAT THOUGHT.
- "Great men need to be lifted upon the shoulders of the whole world in order to convey their great deeds; that is, there must be an atmosphere of greatness round about them. A hero cannot be a hero unless in an heroic world."
- HAWTHORNE.
- 11.30 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS, "Burgundy" (Molis).
- "To Night's a Niight With Baby" (Meyer). "Hi! a Moon Is Better Than No Moon."
- "Madeline" (West).
- "In a Little Spanish Town" (Wayne). "Me Too, Ha, Ha, Ho, Ho" (Brown). "I've Been Wasting My Dreams Over You" (O'Hagan).
- "Tide in the Sun, Hang Out the Moon" (Coxon). "Pianoflage," Piano Solo (Barry). "The Village Blacksmith Owns The Village Now" (Moore).
- "I'm Longin' For You" (Hathaway). "Kentucky Lullaby" (Miller).
- "You Got to Be Careful" (Donaldson). "There Ain't No Maybe In My Baby's Eyes" (Kahn).
- "You've Got to Black Shaffie" (Sparke). "Every Little Thing" (Saenger).
- 11.45 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Saturday.

MORNING SESSION—11 to 1 p.m.

MATINEE SESSION.

- 1.30 p.m.—Treadmills Hurdle, 2 miles, 45 yards.
- 2.15 p.m.—Manx Two-year-old, 7 furlongs.
- 2.30 p.m.—STUDIO ORCHESTRA (Direction: Mr. Ronald Brearley); "Tatta" (Fantasia).
- 2.45 p.m.—Mr. Ronald Brearley, Cello; "Andante" Cantabile from the Didur Quartet (Tchaikovsky).
- 2.45 p.m.—STUDIO ORCHESTRA; "Scandinavian Suite" (Frederiksen).
- 2.50 p.m.—Richmond Handicap, 1 mile, 4 furlongs.
- 3.00 p.m.—Mr. James Scott, Bass; "The Company Sergeant-Major" (Sanderson).
- 3.45 p.m.—Mr. Herbert Pettifer, Violin; "Meditation" from Thais (Massenet).

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"There's a YALE Battery for Every Battery Need"

8.30 p.m.—STUDIO ORCHESTRA:
"Torch Dance" (Meyerbeer).
8.15 p.m.—The Lieder Four Quartet Party:
"Carry Me Back to Old Virginny" (Negro Spiritual).

8.19 p.m.—STUDIO ORCHESTRA:
"Invitation to the Waltz" (Weber-Berlioz).
8.25 p.m.—Wanda Steeplechase, 2 miles.
8.30 p.m.—Mr. James Scott and Mr. Joseph Widgery.

Duet, "Solemn et Questora."
8.34 p.m.—Studio Orchestra:
"Intro and Arie" (Eugen Onegin) (Tchaikowsky).

8.40 p.m.—The Lieder Four Quartet Party:
"In Absence."

8.44 p.m.—Studio Orchestra:
"Natalie Delaroche" (Spartacus).

8.50 p.m.—Mr. H. Fletcher and Mr. G. Hardy Duet, "The Moon has raised Her Lamp Above."

8 p.m.—G.P.O. Clock says: "Four."
8 p.m.—Studio Orchestra: "Cupid's Frolka" (Miles).

8.45 p.m.—Studio Orchestra:
"Blitzkrieg" (Miles).
"Dance of the Cossack Frack".

"Salve Diomede" (Gounod).
8.49 p.m.—The Lieder Four Quartet Party:
"Mellow Melon" (Humorous Negro Spiritual).

8.51 p.m.—Studio Orchestra:
"Song without Words" (Mendelssohn).
"Gavotte" (Flaminio) (Pierson).

"Oriental" (Cull).
8.55 p.m.—The Lieder Four Quartet Party:
"Lady My Head Burned a Rose" (Denzaikoff).

8.50 p.m.—Studio Orchestra: "Minnen-eigle" (Cesar Petras).
"Cupid's Frolka" (Miles).

8.55 p.m.—Room Plate, 8 furlongs.
8.40 p.m.—Studio Orchestra:
"Elegie" (Arenske).

"Volga Boat Song" (Traditional).
8.50 p.m.—Tonight's Amusement Guide:
8 p.m.—G.P.O. Clock says: "Five."
Close down.

CHILDREN'S SESSION.

8.45 p.m.—Uncle Mac's Entertainment.

EVENING SESSION.

CONCERT, CAMPFIRE, DANCE."—Continued from Wireless Press.

Local News, Sporting Report, 8 p.m.—G.P.O. Clock says: "Eight."

8.1 p.m.—Miss A. M. Kuring, Piano: "Moonlight and Wood Nymphs" (A. Marjorie Kuring).

"Carmichael" (Paul Warhol).
8.2 p.m.—Mr. Raoul Gordon, Bass: "Could I Express in Song" (Malushkin), "The Star" (Robert).

8.15 p.m.—Mr. Roy Evans, Welsh Tenor: "Circle a Man" (Ponchelli).
"Your Eyes Have Told Me O'Hara").

8.23 p.m.—Miss A. M. Kuring, Soprano: "Here's in Love" (Paul Rubens).
"Smilin' Through" (Penn).

8.30 p.m.—"Round the Camp Fire," Narrator, Mr. V. Upton-Brown).
Music, Story and诗 of camp life and gay by writers and poets of Australia.

8.30 p.m.—Mr. Ronald Nelson, Comedian: "Willie's Panis" (Ronald Nelson).
"The Dream" (Leonard Nelson).

8.30 p.m.—Mr. Raoul Gordon, Bass: "Inter Nos" (Musidæven).
"At Dawnings" (Cudman).

8.27 p.m.—Mr. R. Rose Bush Entertainer: Story, Songs and Animal Calls.

8.31 p.m.—Miss M. King, Soprano: "The Lament of Lise" (Hansel).
"The Nut Tree" (Schumann).

8.41 p.m.—Mr. Ronald Nelson, Comedian: "Bring Back Those Wonderful Days" (Ronald Nelson).

8.45 p.m.—Mr. Rod Evans, Tenor: "Una Partita Lazziosa" (Donizetti).
"Sally" (Clarke).

8.50 p.m.—"The Age" News Bulletin, exclusive to 3ABN.

10 p.m.—G.P.O. Clock says: "Ten."

10.5 p.m.—Dance Hour, Leggett's Ballroom Orchestra, Direction, Mr. Harry Nangle.

11 p.m.—G.P.O. Clock says: "Eleven."
God Save the King.

4QG, BRISBANE.

Saturday.

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

3.10 p.m.—A matinee for little listeners by Miss Weston.

4.30 p.m.—Close down.

EARLY EVENING SESSION.

4.30 p.m.—Bedtime stories by Uncle Ben and Uncle Jim.

5.15 p.m.—Racing results.

7.20 p.m.—To-day's football play described.

7.30 p.m.—Sailing news by Mr. F. Smith.

7.40 p.m.—Tennis news.

NIGHT SESSION.

WINDSOR Eisteddfod CONCERT.

The first portion of to-night's programme will comprise items provided by the prize winners of the Windsor Eisteddfod.

As the names of the prize winners are not known until the Eisteddfod has concluded, this programme has to necessarily been arranged at short notice.

Details regarding the Eisteddfod will therefore be announced from the studio.

FROM THE STUDIO OF 4QG:

8 p.m.—Concert by prize winners at Windsor Eisteddfod.

DANCE MUSIC.

FROM LENNON'S BALLROOM:

8 p.m.—Dance Music.

FROM THE STUDIO:

10.30 p.m.—"The Daily Mail" news; weather news.

Close down.

5CL, ADELAIDE

Saturday.

MORNING SESSION.

11 a.m.—G.P.O. chimes.

11.15 a.m.—Recitals on the "New Reproducing Soprano" and the "Autoline Reproducer."

11.30 a.m.—"Advertiser" news service.

11.45 a.m.—Musical programme.

12 noon.—Close down.

AFTERNOON SESSION.

12.45 p.m.—Relay from the Cheltenham Racecourse, running description by Mr. Arnold Treloar. Interspersed with selections on the Autoline Reproducer and the New Reproducing Soprano. Intermediate sporting and football news.

5.30 p.m.—Close down.

EVENING SESSION.

6 p.m.—G.P.O. chimes.

6.1 p.m.—Relay from Covent Garden Restaurant—Orchestral selections.

6.30 p.m.—Bedtime stories.

7.30 p.m.—Sporting news by Messrs. B. C. Ward and Co., A. E. Hall and Co., A. W. Sandford and Co., Dalgety and Co., S. A. Farmers' Co. Union, Taylor Bros.

7.40 p.m.—Sporting results.

8 p.m.—G.P.O. Chimes.

8.15 p.m.—Song, Miss Alice Axford

8.4 p.m.—Recitation (humorous), Mr. D. Benjamin.

8.50 p.m.—Carmichael's Dance Orchestra.

8.25 p.m.—Violin Solo, Mr. Hartley Williams.

8.30 p.m.—Talk by the Rev. G. E. Hale, B.A.

8.45 p.m.—Carmichael's Dance Orchestra.

8.50 p.m.—G.P.O. Chimes.

9.15 p.m.—Whirlwind Report.

9.2 p.m.—Song, Miss Alice Axford.

9.30 p.m.—Instrumental number, Mr. Jack Lenihall.

10 p.m.—Carmichael's Dance Orchestra.

10.25 p.m.—Song, Miss Lorna Sidde.

10.30 p.m.—Violin Solo, Mr. Hartley Williams.

10.35 p.m.—Carmichael's Dance Orchestra.

10.50 p.m.—Recitation, Mr. D. Benjamin.

10.55 p.m.—Instrumental number, Mr. Jack Lenihall.

10 p.m.—G.P.O. chimes.

10.15 p.m.—"Advertiser" news service.

10.30 p.m.—"Carmichael" Dance Orchestra.

10.45 p.m.—Song, Miss Alice Axford.

10.55 p.m.—Violin Solo, Mr. Hartley Williams.

11 p.m.—Carmichael's Dance Orchestra.

11 p.m.—G.P.O. Chimes and Close down.

6WF, PERTH.

Saturday.

12.30 p.m.—Tune in.

12.5 p.m.—Musical programme, including Picnic Festival, 1926, by 3ABN.

12.45 p.m.—First item, News Bulletin.

Market Reports.

Cables.

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

1.15 p.m.—Weather Notes supplied by the Meteorological Bureau of Western Australia.

1.20 p.m.—Close down.

1.45 p.m.—"Uncle Perry and Rag with the Radio Bird."

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

1.55 p.m.—Stock and Share intelligence.

Market Reports.

2 p.m.—Local news by courtesy of "The Daily News" Newspaper Co.

2.15 p.m.—"Relayed CONCERT."

2.2 p.m.—Concert relayed from the Billy Edwards Music Warehouse, Murray Street, Perth.

2.45 p.m.—Late News items by courtesy of "The Daily News" Newspaper Co.

2.55 p.m.—Close down.

2.55 p.m.—Close down.

2.55 p.m.—Close down.

2.55 p.m.—Close down.

2.55 p.m.—Programme announcements.

3 p.m.—"Big Ben."

FROM THE CONGREGATIONAL CHURCH, PIT STREET, SYDNEY:

THE MORNING SERVICE CONDUCTED BY THE REV. E. RUTH.

12.15 p.m.—FROM THE STUDIO: News items.

12.30 p.m.—Close down.

AFTERNOON SESSION.

2.25 p.m.—Programme announcements.

3 p.m.—"Big Ben."

FROM THE LYCEUM HALL, PIT STREET, SYDNEY:

A Pleasant Sunday Afternoon Service, arranged by the Central Methodist Mission. The programme will include Orchestral numbers; items by Saxophone Band, and Solists.

4.30 p.m.—FROM THE STUDIO:

Captain Fred Aucum will give a talk on "The World of 1000 Years Ago."

3 p.m.—"Big Ben." Close down.

NIGHT SESSION.

6 p.m.—"Big Ben" and announcements.

6.5 p.m.—FROM THE STUDIO:

A Recital arranged by Mr. Bennett North.

6.55 p.m.—FROM THE LYCEUM HALL, PIT STREET, SYDNEY; Organ solo.

7 p.m.—Close Ben.

THE EVENING SERVICE ARRANGED BY THE CENTRAL METHODIST MISSION, Praescher, Rev. H. C. Ferguson.

8.30 p.m.—FROM THE BEANO ROTUNDA, MANLY BEACH:

A programme arranged by the Manly Municipal Band. Conductor, Mr. J. Phelming.

9.30 p.m.—FROM THE STUDIO:

Madame Vera Tschauder, soprano;

"Waltz Queen" Cleo (Maynard).

9.34 p.m.—Madame Vera Tschauder, violinist.

9.40 p.m.—Madame Vera Tschauder, soprano;

"All's Right with the World" (Del Rio).

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

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8.55 p.m.—Madame Vera Tasma, soprano:
(a) "Oh, for the Wings of a Dove" (Men-
delsohn).
(b) "The Nightingale's of Linolin's Inn" (Oliver).
8.55 p.m.—Mr. Lionel Lawson, violinist.
8.56 p.m.—National Anthem.
Close down.
At the Piano MR. HORACE KEATS.
(Sunday night only.)

2BL, SYDNEY.

Sunday.

10.45 a.m.—Special News Service.
11 a.m.—Service broadcast from Newtown Congregational Church.
8.30 p.m.—Organ Recital.
4.15 p.m.—Choral Class conducted by Mr. W. "Pain" Bradley.
8.15 p.m.—G.P.O. Clock and Chimes.
Close down.
8.15 p.m.—Children's Service.
8.30 p.m.—Organ Recital broadcast from Newtown Congregational Church.
7 p.m.—Service broadcast from Newtown Congregational Church.
8.15 p.m.—From the Studio:
Miss Mary Neal (mezzo contralto).
8.37 p.m.—Mr. Rainford Pechtach (violinist).
8.57 p.m.—Resume of following day's pro-
gramme.
Weather Report and Forecast by courtesy of Mr. G. J. Mares, Govt. Meteorologist.
8.59 p.m.—G.P.O. Clock and Chimes.
8.15 p.m.—Margrady Wilson (bass).
8.30 p.m.—Headcorners' Trio.
9.15 p.m.—Miss Gladys Verona (soprano).
9.30 p.m.—Mr. Margrady Wilson.
9.45 p.m.—Miss Mary Neal.
9.52 p.m.—Broadcresters' Trio.
10.30 p.m.—National Anthem.

2GB, SYDNEY

Sunday.

10.30 a.m.—Organ Music from St. Alban's Liberal Catholic Church, Bedfern.
10.30 a.m.—Morning Service from St. Alban's Liberal Catholic Church, Celebration of the Holy Eucharist, Sermon.
12 noon.—Close down.
6.35 p.m.—Music from the Studio.
7 p.m.—Lecture from Aylar Hall.
8 p.m.—Recital by Pupils of Clement Beakling.
8.45 p.m.—Talks.
8 p.m.—Close down.

3LO, MELBOURNE.

Sunday.

MORNING SESSION.
10.30 a.m.—Bell from St. Paul's Cathedral.
10.45 a.m.—"The Confirmation".
French Official Wires—Never.
11 a.m.—SERVICE from the AUSTRALIAN CHURCH, Anniversary Service.
Rev. Cyrus R. Mitchell, M.A., B.D.
12.15 p.m.—Close down.

AFTERNOON SESSION.

1.15 p.m.—WENDELL CITY BAND;
3 p.m.—PLEASANT SUNDAY AFTERNOON SERVICE—WESTERN CENTRAL MOS-
TOWN.
4.30 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—CHILDREN'S HOUR:
Hymns by "The Beehive."
Hymn, "Childhood's Years."
Hymn, "Jesus, Word of God."
5.45 p.m.—Answers to Letters and Birthday Greetings.
6 p.m.—Musical Programme by "THE PIED PIPERS":
Quartet: "Lead Kindly Light."
Chorus, "Robin's Petition."
Solo, "A Maori Lullaby."
Chorus, "The Little Chimney Sweep."
Piano Solo.
Solo, "Abide with Me."
Chorus, "The Day Thou Gavest."

6.25 p.m.—"BILLY BUNNY":
"The Life of Gordon."

6.35 p.m.—BELLS FROM ST. PAUL'S CATHEDRAL

NIGHT SESSION.

7 p.m.—SERVICE FROM SCOTS' CHURCH, Collins Street, Melbourne.
FROM THE STUDIO—
8.30 p.m.—COBURG CITY BAND, (Conductor, Mr. T. B. Davison).
8.40 p.m.—WELSH HYMN MUSIC, annotated by Mr. H. E. Owen, and illustrated by THE GWALYR QUARTET.
8.55 p.m.—COBURG CITY BAND: March, "Old Comrades" (Ticke).
9.15 p.m.—MADAME LAMBERT, Soprano: "Madrigal" (Chaminade).
"Mon cœur saute" (Mozart).
9.30 p.m.—STEPHANIE DESTÉ (Wanda) of "Rose Marie," by permission of J. C. Williamson (ltd.).
9.45 p.m.—COBURG CITY BAND: March, "Viscount Nelson" (Zehle).
8.55 p.m.—MADAME LAMBERT, Soprano: "Tour Bergerettes" (Woerner).
"Ouvre tes yeux bleus" (Massenet).
9.40 p.m.—"Argus" news service, British official Wireless news.
Meteorological information.
9.50 p.m.—COBURG CITY BAND: Entertainer, "Ring the Bells" (Rimsky).
9.55 p.m.—ROYAL VICTORIAN AUTOMOBILE CLUB'S SAFETY MESSAGE FOR TO-DAY:
EVERYBODY—"Encourage all others, and particularly children, to avoid incurring unnecessary risks to themselves or to others." OUR GREAT THOUGHT—
"Sickness is a hindrance to the body, but more in the mind. Diseases may cause the feet to stumble but not the hand. Reflected, and thus will perceive whatever obstacle events may prove in others, they need be none to other." Epictetus.
10 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Sunday.

MORNING SESSION.

11.0 a.m.—Morning Service from Collins St. Independent Church. Minister, Rev. J. Ernest James, B.D.

AFTERNOON SESSION.

Special Anniversary Service from the Australian Church.
8.0 a.m.—Organ, Improvised. Mr. Charles Tuckwell.
8.30 p.m.—Hymn: Musical Programme: Organist and Choir Master, Mr. Charles Tuckwell. Solo Violinist, Miss Cora Treverry. Choir Principals, Misses Emily Conly and Gertrude Hall. Messrs. Bertie Martin and George Munro. Special arrangements by Madame Mary Conly, the World Famous Soprano.
2.10 p.m.—Chair (unaccompanied), "Let all the World" (Nohel).
3.15 p.m.—Violin, "The Old Refrain" (Kreisley).
3.18 p.m.—Violin, "Let the Bright Seraphim," from Samson (Handel).

3.24 p.m.—Organ, 1st Movement Sonata No. 1 (Mendelssohn).

3.29 p.m.—Duet and Chorus, "I Walked for the Lord," from Lohengrin (Wagner).

3.37 p.m.—Violin, "Andante Religioso" (Thoma).

3.41 p.m.—Choir, Psalm 150 (Cesar Franck).

3.47 p.m.—Address, Speaker, M. B. Duffy, Esq., Assistant Secretary Trades Hall Council, "Unemployment the Obligation of the Churches," Vote of Thanks.

3.50 p.m.—Special Collection for Church Funds.

Organ, "Traumerei" (Schumann).

Hymn and Benediction.

Concluding voluntary, "March" (Schoebert), Close Down.

CHILDREN'S SESSION.

6.0 p.m.—Music, Song and Story for the Little Ones, by "Ladybird."

EVENING SESSION.

7.0 p.m.—Evening Service from the Australian Church. Minister, Dr. Charles Sirrus.

SUNDAY NIGHT STUDIO CONCERT.

8.30 p.m.—Mr. Stanley Allan, Tenor, "La Donna è Mobile" (Verdi).

8.37 p.m.—Mr. Stanley Baines, Solo Flautist at "Cape Town" Melbourne, "Il Signore delle Ferie" (Krauss).

8.44 p.m.—Miss Jocelyn Turley, Soprano, "One Spring Morning" (Plinkerton).

"Comin' thro' the Rye" (Old Scottish).

8.51 p.m.—Miss Renée Bartley, Hymn Talk, "Our Help in Ages Past."

"Our Strength and Our Glory."

8.54 p.m.—Mr. John McAlister, Baritone, "Brake Goes West" (Sanderson).

"Sylvia" (Spodes).

8.56 p.m.—Miss Jocelyn Turley and Mr. Stanley Allan, Duet, "My Sweet Valentine" (Vivian).

9.13 p.m.—Miss Violet Wood, Flautist, "Autumn" (Chaminade).

9.17 p.m.—Miss Jocelyn Turley, Soprano, "The Mad Scene" (Donizetti), with this obbligato by Mr. Stanley Baines.

9.22 p.m.—Miss Renée Bartley, Elocutionist, "The Fall of Woden" (Overham).

"The Poetry of Overham."

9.30 p.m.—Mr. Stanley Allan, Tenor, "Go, Lovely Rose" (Quiller).

"Drink to Me Only With Thine Eyes" (Quiller).

9.37 p.m.—Mr. John McAlister, Baritone, "Love Could I Only Tell Thee" (Capell).

9.44 p.m.—Mr. Stanley Baines, Flute, "Serenata" (Motschowski).

Piccolo, "Coont" (Brewer).

9.50 p.m.—"The Ago" News Bulletin (exclusive to JAR).

9.53 p.m.—"GOD SAVE THE KING"; Close Down.

4QG, BRISBANE.

Sunday

MORNING SESSION.

ALBERT STREET CHURCH.

The complete Morning Service will be relayed from Albert Street Methodist Church, FROM ALBERT STREET METHODIST CHURCH:

11 a.m.—Canticle, Chant, Invocation; psalm, hymn 290, "Conqueror Divine"; first lesson, Psalm 103; psalm, second lesson, John 1; announcements and offering; anthem; hymn 60, "O Master Let Me Walk With Thee"; benediction.

12.30 p.m.—Close down.

AFTERNOON SESSION.

BAND CONCERT.

The Concert by the Excelsior Band will be relayed from the Botanic Gardens, FROM THE BOTANIC GARDENS:

3.15 p.m.—Band Concert.

4.30 p.m.—Close down.

NIGHT SESSION.

ALBERT STREET CHURCH.

The complete Night Service will be relayed from the Albert Street Church, 7 p.m.—Bedtime story for children.

7.30 p.m.—Anthem; Invocation; hymn 2, "All People that on Earth do Dwell"; prayer; hymn 109, "How Sweet the Name of Jesus"; Luke 10, 25; solo; announcements and offering; anthem; hymn 67, "The Church's One Foundation"; sermon; hymn 911, "Abide with Me"; Vesper hymn.

BAND CONCERT.

At the conclusion of the Church Services the Brisbane Municipal Concert Band will be relayed from Wickham Park. The programme will include: Overture, "Isabella" (Suppe); selection from "Aida" (Verdi); rustic suite from "Pique Dame" (Tschaikovsky).

9.30 p.m.—Close down.



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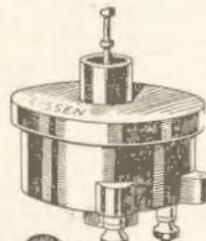
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5CL, ADELAIDE.

Sunday.

MORNING SESSION.
 11 a.m.—G.P.O. chimes.
 11 a.m.—Replies from the Maughan Church,
 Franklin Street, Adelaide.
 12.30 p.m.—(Audience)—Close down.

EVENING SESSION.

5.30 p.m.—G.P.O. chimes.
 6.00 p.m.—"Morning Herald" by the "Morning Mail".
 6.15 p.m.—Heavy string solo, Peter's Cathedral.
 6.30 p.m.—Harmonist Quartette.
 6.45 p.m.—Pianoforte solo, Mr. Tom King.
 6.55 p.m.—Marella Tager's Mandolin Band.
 7.05 p.m.—Tenor solo, Mr. Vincent McMurray.
 7.15 p.m.—Harmonist Quartette.
 7.30 p.m.—Humorous Interlude, Mr. George White.
 7.52 p.m.—Organ solo, Mr. Tom King.
 8.07 p.m.—Solo, Mr. D. Pudar.
 9 p.m.—G.P.O. chimes.
 9.15 p.m.—Evening News' midday news service.
 9.30 p.m.—Premier Distributing Society's Report.
 9.35 p.m.—Studio music.
 9.45 p.m.—Talis by Mr. P. H. Nicholls.
 9.55 p.m.—Marches, Tunes, Mandolin Band.
 10.05 p.m.—Organ solo, Mr. Tom King.
 10.25 p.m.—Humorous Interlude, Mr. George White.
 10.30 p.m.—Tenor solo, Mr. Vincent McMurray.
 10.45 p.m.—Harmonist Quartette.
 10.55 p.m.—Organ solo, Mr. D. Pudar.
 11.05 p.m.—Organ solo, Mr. Tom King.
 11.25 p.m.—Harmonist Quartette.
 11.45 p.m.—G.P.O. chimes and close down.

6WF, PERTH.

Sunday.

10.15 a.m.—Time In.
 11 a.m.—Morning Service, relayed from St. Mary's Roman Catholic Cathedral, Murray Street, Perth.
 11.15 a.m.—Time In.
 11.35 p.m.—Lieut. Col. Le Souef will speak on "The Acclimatisation of Birds and Animals".
 3.30 p.m.—R.S.L. Band and Vocal Concert, relayed from the Zoological Gardens, South Perth.
 Conductor: MR. J. B. GRAY.
 5 p.m.—Close down.
 7 p.m.—Time In.
 7.55 p.m.—Children's Bedtime Stories, by Mr. Robert Edmondson.
 7.50 p.m.—Evening Service relayed from St. Paul's Anglican Cathedral, Cathedral Avenue, Perth.

FROM THE STUDIO:

8.45 p.m.—Musical programme.

10 p.m.—Close down.

Monday, June 20

2FC, SYDNEY.

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and programme announcements.
 7.15 a.m.—Studio music.
 7.30 a.m.—County Session? Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail service.

7.45 a.m.—Investment market, mining share market, metal quotations.

7.55 a.m.—Wool sales, broadcast markets, International markets, produce markets.

7.45 a.m.—"Sydney Morning Herald" summary.

8 a.m.—"Big Ben" time down.

MORNING SESSION.

9.00 a.m.—Studio music.

10.30 a.m.—Studio music.

10.45 a.m.—"Sydney Morning Herald" news service.

10.55 a.m.—Studio music.

11.10 a.m.—G.P.C. Radio Commissioner.

11.15 a.m.—Studio music.

11.45 a.m.—"Big Ben".

11.45 a.m.—Studio music for school children.

11.50 a.m.—A.P.A. and Rente's Cable Services.

11.50 a.m.—Studio music.

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

11.20 a.m.—A Studio Reading.

11.35 a.m.—Close down.

MIDDAY SESSION.

12 noon.—"Big Ben" and announcements.

12.20 p.m.—Stock Exchange, first call.

12.30 p.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.

12.55 p.m.—Studio music.

12.10 p.m.—Summary of "Sydney Morning Herald" news service.

12.45 p.m.—"Big Ben" news.

12.55 p.m.—FROM CHRIST CHURCH, ST. LAURENCE, GEORGE STREET, SYDNEY:

NEV: A Recital by the well-known organist, DR. JARMAN, recently returned to Sydney from an extended sojourn abroad.

12.55 p.m.—Miss Kathleen Stellery, mezzo soprano:

"Tip Toe" (Carey).

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

1.20 p.m.—"Evening News" midday news service.

Premieres: Distributing Society's Report.

1.30 p.m.—Studio music.

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

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

1.40 p.m.—Miss Kathleen Stellery, mezzo soprano:

"High on the Sleepy Hills" (Lambethorough).

1.45 p.m.—Studio music.

2 p.m.—"Big Ben" Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.

3.30 p.m.—A Recital arranged by Miss Gertrude Barton.

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

4.10 p.m.—FROM FARMER'S TEA ROOMS: Miss Dorothy Bowden, contralto:

"God Touched the Rose" (Brown).

4.30 p.m.—Studio music.

4.45 p.m.—FROM FARMER'S TEA ROOMS: Mr. Frank Esham, bassoon:

"Here lead us O Hay" (Adams).

4.55 p.m.—Miss Kitty Pool, soprano:

FROM THE STUDIO:

(a) "Don't write me Letters" (Grant).

(b) "Don't be Too Sure" (Cohen).

5.15 p.m.—Mr. William Bowyer, basso:

"Greetings Old and New" (Wallace).

5.20 p.m.—FROM FARMER'S TEA ROOMS: Mrs. Dorothy Bowden, contralto:

"Sometimes when Night is nigh" (Phillips).

5.35 p.m.—FROM THE STUDIO:

Mr. William Bowyer, basso:

5.45 p.m.—Mr. Sydney Henry, electrocianist:

"Babylonian Prison Cat."

(b) "McLennan's Goat."

5.55 p.m.—Studio music.

6.00 p.m.—FROM FARMER'S TEA ROOMS:

Mr. Frank Esham, bassoon:

"Hills of Dorset" (Sanderson).

6.15 p.m.—Stock Exchange, third call:

FROM THE STUDIO:

5.30 p.m.—Mr. Sydney Henry, comedy singer:

"Alice" (O'Horan).

5.45 p.m.—Studio music.

6 p.m.—"Big Ben" Close down.

EARLY EVENING SESSION.

6.45 p.m.—The Chimes of 2FC.

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

7.00 p.m.—A Serial Story.

7.15 p.m.—Dinner music.

7 p.m.—"Big Ben" Late sporting news.

7.30 p.m.—Dialectic's market reports (wood, wheat and stock).

7.45 p.m.—Wool and vegetable market.

7.55 p.m.—Weather and Shipping Intelligence.

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

NIGHT SESSION.

7.45 p.m.—Programme announcements.

7.55 p.m.—Studio music.

7.55 p.m.—Miss Alice Prowse, contralto:

"Big Ben."

FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY:

The new Haymarket Operatic Orchestra of 30 members, under the baton of Mr. Stanley Pearce.

8.10 p.m.—FROM THE STUDIO:

Mr. Ernest Archer, tenor:

"My Thoughts" (Oliver).

8.30 p.m.—Miss Jean Gervais, Melodeon number.

8.45 p.m.—FROM THE HAYMARKET THEATRE: Orchestral items.

8.50 p.m.—FROM THE STUDIO:

Mr. Ernest Archer, tenor:

"Love Never fails for Two" (Loche).

8.55 p.m.—Mr. E. P. Kerr, concert solo:

"Old Folks at Home" (Hartman).

8.55 p.m.—FROM THE HAYMARKET THEATRE: Orchestral items.

8.55 p.m.—FROM THE STUDIO:

Mr. Ernest Archer, tenor:

(a) "Boiling" (Barrie).

(b) "Pale Moon" (by request).

9.35 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY:

Mr. Tom Kelly, Irish comedian.

9.35 p.m.—FROM THE STUDIO:

Miss Margaret James, soprano:

"Love in a Nest" (Jordan).

9.45 p.m.—Miss Jean Gervais, Melodeon number.

9.55 p.m.—"Big Ben."

Wif and Windie, entertainers:

"A Bit of a Thrill".

9.55 p.m.—Miss Alice Prowse, contralto:

"Festiva" (Goddard).

9.55 p.m.—Miss Margaret James, soprano:

"With Love" (Lehmann).

9.55 p.m.—Miss Jean Gervais, Melodeon.

10 p.m.—"Big Ben."

Wif and Windie, entertainers:

"I'm walking around with Matilda" (Hargraves).

10.15 p.m.—Miss Margaret James, soprano:

"Bill" (Rhine) (Philips).

10.15 p.m.—FROM THE HAYMARKET THEATRE, GEORGE STREET, SYDNEY:

The new Westworth Symphony Orchestra.

10.15 p.m.—"Big Ben."

Electronica (Wif).

10.25 p.m.—Miss Margaret James, soprano:

"Leave Whistler" (Wiley).

10.30 p.m.—FROM THE WENTWORTH CAFE, CHAPEL HILL, SYDNEY:

The new Wentworth Symphony Orchestra.

10.35 p.m.—"Big Ben."

Electronica (Wif).

10.45 p.m.—FROM THE STUDIO:

10.55 p.m.—FROM THE WENTWORTH CAFE:

The new Wentworth Symphony Orchestra.

11 p.m.—"Big Ben."

Electronica (Wif).

11.15 p.m.—The Wentworth Symphony Orchestra.

11.30 p.m.—National Anthem.

Close down.

2BL, SYDNEY

Monday.

DAY SESSION.

Descriptions of each race at the Epsom Derby, Brooklands Drive from the Racecourse.

11.15 a.m.—G.P.C. Clock and Chimes.

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

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

11.30 a.m.—Talk on "Golf" by Miss McNeil.

Broadcasters' Women's Sports Authority.

11.30 a.m.—Talk on "The Chef's Touch" by Mrs. Jordan.

12 noon—G.P.C. Clock and Chimes.

12 noon—Special Ocean Forecast and Weather Report.

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

12.30 p.m.—Information, Mails and Shipping.

12.30 p.m.—Sydney Stock Exchange Call.

12.30 p.m.—Bonds in call by Wireless.

12.30 p.m.—From Market Report.

12.30 p.m.—Vegetable Market Report.

12.30 p.m.—Labour Metal Market Report.

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12.30 p.m.—Dairy and Farm Produce Market Report.

12.30 p.m.—G.P.O. Clock and Chimes.

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

12.40 p.m.—Sporting Information ("Sun").

12.45 p.m.—British Instrumental Quartette.

(Mr. G. Carty, Captain.)

1.00 p.m.—G.P.O. Clock and Chimes.

1.31 p.m.—News from the "Sun."

1.40 p.m.—Musical Programmes from the Studio.

1.50 p.m.—Sydney Stock Exchange Calls.

1.53 p.m.—News from the "Sun."

2.00 p.m.—G.P.O. Clock and Chimes.

2.31 p.m.—Talk to Children and Special Entertainment for Children in Hospital.

2.39 p.m.—News from the "Sun."

2.50 p.m.—G.P.O. Clock and Chimes.

2.51 p.m.—Musical Programmes from the Studio.

2.54 p.m.—News from the "Sun."

2.55 p.m.—Musical Programmes from the Studio.

3.00 p.m.—G.P.O. Clock and Chimes.

3.50 p.m.—News from the "Sun."

3.15 p.m.—Musical Programmes from the Studio.

3.30 p.m.—G.P.O. Clock and Chimes.

3.51 p.m.—Talk on "The Grand Operas," illustrated by H.M.V. Records.

3.50 p.m.—News from the "Sun."

4.00 p.m.—G.P.O. Clock and Chimes.

4.11 p.m.—Musical Programmes from the Studio.

4.15 p.m.—Serial Story.

4.30 p.m.—G.P.O. Clock and Chimes.

4.31 p.m.—Musical Programmes from the Studio.

4.41 p.m.—News from the "Sun"

4.50 p.m.—Racing Results.

4.52 p.m.—Producers' Distributing Society's Fruit and Vegetable Market Report.

4.53 p.m.—Rounds of Nights' Programme.

4.55 p.m.—Announcements.

4.58 p.m.—Special Ocean Forecast.

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

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes.

5.45 p.m.—Dad's Longships and the Kiddies.

5.49 p.m.—Musical Programmes from the Studio.

SPECIAL COUNTRY SESSION.

7.00 p.m.—G.P.O. Clock and Chimes; Australian Merchant Land and Finance Co.'s Report; Weather Report and Forecast by courtesy of Government Meteorologist; Producers' Distributing Society's Fruit and Vegetable Market Report; Stock Exchange Reports; Grain and Fodder Report ("Sun"); Dairy Products Report ("Sun").

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

7.30 p.m.—Talk on "The Care of the Eyes," by Mr. Patterson.

EVENING SESSION.

8.00 p.m.—G.P.O. Clock and Chimes; Broadcasters' Typical Chorus.

8.15 p.m.—Newtown Band Broadcast from Industrial Hall, Newtown.

8.20 p.m.—Mr. Dad Osborne (Descriptive Artist).

8.31 p.m.—Broadcasters' All-Sports Expert will talk on "General Sporting."

8.36 p.m.—Mr. Phil Morris (Comedian).

8.55 p.m.—Mr. Bert Warne (Comedian).

9.00 p.m.—G.P.O. Clock and Chimes; Round-up following Day's Programme; Weather Report and Forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.

9.01 p.m.—Mr. Fred Monument (Baritone).

9.01 p.m.—Mr. Bert Warne (Comedian).

9.01 p.m.—Mr. Bert Warne (Comedian).

9.01 p.m.—Miss Ella Goodman (Soprano).

9.05 p.m.—Mr. Douglas Graham (Scotch Comedian).

9.05 p.m.—Osborne and Warne.

10.12 p.m.—Mr. Phil Mountain.

10.10 p.m.—Miss Thelma Houston.

10.26 p.m.—Mr. Bert Warne (Comedian).

10.30 p.m.—Mr. Joe Cohen.

10.40 p.m.—News Reports by courtesy of the "Sun" Newspapers.

10.45 p.m.—Miss Ella Goodman.

10.52 p.m.—Mr. Douglas Graham.

11.00 p.m.—G.P.O. Clock and Chimes; National Anthem.

2GB, SYDNEY

Monday.

MORNING SESSION.

8.00 a.m.—Music.

9.05 a.m.—"Cheerle" Talk.

9.25 a.m.—Music.

9.45 a.m.—Psychological Class.

9.40 a.m.—Music.

9.45 a.m.—Health and Diet.

10 a.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—Music.

3.37 p.m.—Talk.

3.52 p.m.—Music.

4.07 p.m.—Talk.

4.22 p.m.—Music.

4.30 p.m.—Close down.

EVENING SESSION.

CHILDREN'S SESSION.

7 p.m.—Music.

7.15 p.m.—Talk.

7.30 p.m.—Music.

7.45 p.m.—Music.

7.55 p.m.—Talk.

7.55 p.m.—Instrumental Trio: DAN SCULLY,

MURIELLE LANG, ADA BROOK.

8 p.m.—Address.

8.20 p.m.—Songs by MISS ALICE BUDDEE.

1. "Powder and Patches" (Phillips).

2. "My Little Window Looking West" (Phillips).

2.8 p.m.—Piano Solo by MISS MOLLIE HODDER:

1. "Piccolo Elegy and Variations," by Cesare Franck.

8.56 p.m.—Instrumental Quartet:

DAN SCULLY, MONICA HODDER,

MURIELLE LANG, ADA BROOK.

8.55 p.m.—Announcement.

9 p.m.—Talk by Mr. J. K. Powell.

9.15 p.m.—"Cello Solos" by MURIELLE LANG.

1. "Frédéric" in D Minor" (Esch).

2. "Gravate" (Lully).

9.23 p.m.—Songs by MISS ALICE BUDDEE:

1. "My Mother Bids Me Bind My Hair" (Haydn).

2. "May Day at Lathington" (Oliver).

9.31 p.m.—Violin Solos by MONICA

HODDER:

1. "Fröhle" (De Busay).

2. "Gipsy Dance" (Ernest).

9.41 p.m.—Instrumental Trio:

MUNICA HODDER, MURIELLE LANG,

ADA BROOK.

9.55 p.m.—Talk.

10 p.m.—Close down.

3AR, MELBOURNE

Monday.

MORNING SESSION.

11 a.m.—Musical selections on the Brunswick Phonotape.

11.30 a.m.—British official wireless press received from Rugby super wireless station, England.

Express train information.

"Age" news bulletin, exclusive to 3AR.

MIDDAY SESSION.

12 noon—Time signal chime from G.P.O.

First weather forecast.

Evening of the day.

Studio barometer and outdoor thermometer readings.

12.15 p.m.—Musical selections from the Studio.

12.30 p.m.—Stock Exchange news.

Market reports.

12.40 p.m.—Musical selections from the Studio.

12.55 p.m.—Shipping movements. Mail notices.

1 p.m.—Close down.

MATINEE SESSION.

ORCHESTRAL CONCERT.

Sports Results—Fiftry pony races. Results will be given during the afternoon as they come to hand.

2.30 p.m.—Studio Orchestra. Direction, Mr.

Ronald Breslley.

"Prem. Schubert's Book" (Urshach).

"Le Rêve d'Annie" from Quo Vadis (Nougue).

2.45 p.m.—Miss Mary Fraser, soprano: "Valley of Laughter" (Sanderson). "Sing Joyous Bird" (Phillips).

2.55 p.m.—Studio Orchestra: Selection, "Rose Marie" (Hermil).

3.5 p.m.—Miss Ethel Brewster, piano: "L'etude B-Flat" (Chopin).

"Feuillet d'Album" (Tchaikowsky).

3.12 p.m.—Studio Orchestra: "Romance" (Tschakowsky).

"Piazza del Signor" (Puccini).

"The Eagle" (Mozart).

3.21 p.m.—Miss Mary Fraser, soprano: "My Hero" from Chocolate Soldier (Scott).

"Love is for ever" (Newton).

3.30 p.m.—Studio Orchestra: Hungarian Dance No. 1 (Brahms).

"Farewell to Cucullina" (arr. Colemen).

"The Chase" (Smith).

"Wayside Flowers" (South).

"Tarantella" (South).

"Berries Slave" (Neruda).

"Waltz Cycle" (Brahms).

4 p.m.—G.P.O. clock says: "Five."

4.1 p.m.—Second weather forecast.

4.5 p.m.—Studio Orchestra:

Nautical Scene.

(a) "All Aboard."

(b) "A Sentimental Shanty."

(c) "Forecastle Frolics" (Prestcher).

4.18 p.m.—Mr. Edward Piper, tenor: "Dream of Long Ago" (Carroll).

"On a darkling plain" (Hopkins).

4.20 p.m.—Studio Orchestra:

"Serenade d'Amalfi" (Becco).

"Elegie" (Tschakowsky).

4.35 p.m.—Mr. Edward Piper, tenor: The Prize Song from the Mastersingers (Wagner).

"In my little garden" (Nutting).

"A Reprise" (Nutting).

4.43 p.m.—Studio Orchestra:

"Edera" (Cesareo).

"My Tango Girl" (Bapp).

4.48 p.m.—Te-o-night's amusement guide.

5 p.m.—G.P.O. clock says: "Five."

Close down.

CHILDREN'S SESSION.

6.45 p.m.—"The Farmyard Five." Transmitted from Koakaburra Gully, the SAR up-country station.

EVENING SESSION.

CLASSIC VARIETY.

8 p.m.—G.P.O. clock says: "Eight."

8.15 p.m.—Frederick George, baritone, to request "The Final Dance" (Moss), by request.

"Until" (Sanderson).

8.27 p.m.—Miss Minnie Marks, soprano:

"You on a gondola" (Clarke).

"Japanese Love Song" (Brahm).

8.44 p.m.—Miss Elizabeth Lester, cello:

"Traumerei" (Schumann), by request.

"Londonderry Air" (arr. Trowell), by request.

8.51 p.m.—Mr. Fred Crowley, the Anzac Cove. A merry interlude with a merry song.

Musical Imitations (Original).

"The Philosophy of Life" (Anon.)

8.59 p.m.—Mr. George Hussey, harp:

"Welsh Melodies, March, "Megan" (Thomas).

"Bells of Abberdovey" (Thomas).

8.56 p.m.—Miss Edith Pascoe-Webb, contralto:

"A summer night" (Goring Thomas).

"We'd better hire a we've" (Claribel), Allan.

8.45 p.m.—Mr. Alan Loraine, Pianist: "A Perfect Pair" (Verna Barbara).

Character: She: Miss Milly Locke.

He: Mr. Geoffrey Mack.

Scene: Their sitting room. Time: Night.

8.08 p.m.—Mr. Frederick George, baritone:

"Will o' the wisp" (Cherry), by request.

"Only the river running by" (Hopkins).

8.55 p.m.—Mr. Allan Loraine, empire traveller:

An engineer's three months of anxiety on the "a.k.a. Emu"—Australia to England.

Romance in real earnest.

9.20 p.m.—Miss Minnie Marks, soprano:

"Silvan" (Lundin-Ronald).

"A Memory" (Park).

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8.27 p.m.—Miss Elizabeth Lester, cello: "Ici Nidre" (Brook).
 8.28 p.m.—Mr. Frank Crossley, "The Anzac Cove." One of the most hilarious sketches the stage has ever known.
 "The Village Concert" (Spurr).
 9.45 p.m.—Mr. George Hussey, harp: "Arioso in F" (Saint-Saens).
 9.55 p.m.—Miss Eileen Puscas-Webbe, contralto: "Lieder ch'lo' piango" (Handel).
 9.58 p.m.—"The Age" bulletin.
 10 p.m.—G.O.P.O. clock says: "Ten."
 10.15 p.m.—Dinner for Leggett, Ballroom Orchestra, Direction, Mr. Harry Nangle.
 11 p.m.—THE G.O.P.O. clock says: "Eleven."
 God Save the King.
 Close down.

3LO, MELBOURNE

MIDDAY SESSION.

12 noon.—Time Signal, British Official News from Rugby, Reuters and The Australian Press Association Cables. "Argus" and "Herald" News service.
 12.20 p.m.—JOE BRENNAN AND IDA NEWTON:
 "Good Day, Bad Day."
 Ida Newton:
 "Good Morning."
 12.30 p.m.—STUDIO ORCHESTRA:
 "Norma" (Bellini).
 12.40 p.m.—Stock Exchange information.
 12.45 p.m.—HARRY NORTH, Concertina: "Fogular" (Purcell).
 12.50 p.m.—MADOLINE KNIGHT, Contralto: "Child of Memory," "Mother Macree."

12.55 p.m.—STUDIO ORCHESTRA:
 "Valse Sauve" (Dupré).
 "Berg Brummel" (Young).
 1.7 p.m.—RUSSELL CALLOW, Tenor:
 "A Song of Hope" (Wavel).
 "You Turn Me Round" (Brown).
 1.15 p.m.—Meteorological information. Shipping intelligence. Weather Forecast for Victoria, Tasmania, South Australia and New South Wales. Ocean Forecast. River Reports.

1.20 p.m.—AGNES FORTUNE, Pianist
 "Impromptu" (Schubert).
 1.30 p.m.—MADOLINE KNIGHT, Contralto:
 "Bird of Paradise" (Wood).
 "When You Come Home" (Squire).
 1.35 p.m.—STUDIO ORCHESTRA:
 "Nasreddi" (Gounod).
 1.45 p.m.—RUSSELL CALLOW, Tenor:
 "The Flower Song" (Carmen). (Bisect).
 "Little Tavern in the Auld County Devon" (Carlo).

1.50 p.m.—STUDIO ORCHESTRA—
 "Scena d'Amore" (Waisau).
 2 p.m.—Close Down.

The results of the Fifty-Four Races will be given immediately after each race.

AFTERNOON SESSION. THE CHARM OF VARIETY.

3 p.m.—STUDIO ORCHESTRA:
 "Island King" (Garten).
 3.10 p.m.—DOROTHY SILK:
 "Homeric".
 3.20 p.m.—DOROTHY ROXBURGH, violin Recital;
 "Sonata in G" (Bach).
 3.37 p.m.—CARLTON CHASE, popular songs:
 "Walking Round in Circles," "Bye-Bye Baby."
 3.45 p.m.—STUDIO ORCHESTRA:
 "In the Fair" (Garten). (Katum).
 "A Love Lesson" (Frasier).
 3.52 p.m.—THE D'ARCY TRIO:
 Rosa D'Arcy: "La Bohème" (Puccini).
 Eileen McCarthy: "Trum the Carehouse" (Gardiner).
 Trios Talking to the Moon" (Barkett).
 Myrtle Shewes, Piano Solo, "Polish Dance" (Schwarzenke).
 4.7 p.m.—WALTER SMITH, Cornet:
 "The Lost Chord" (Sullivan).

4.12 p.m.—STUDIO ORCHESTRA:
 "In a Persian Market" (Kettlebey).
 4.19 p.m.—CARLTON CHASE:
 Monologue, "Top of the Morning, Ireland."
 4.25 p.m.—STUDIO ORCHESTRA:
 "Nostalgia" (Margin).
 4.30 p.m.—MISS FLORA PELL, Inspector of Schools—
 "Domestic Economy."
 4.45 p.m.—"Herald" News Service. Stock Exchange Information.
 5 p.m.—Close Down.

EVENING SESSION.

5.30 p.m.—Answers to letters and Birthday Greetings.

5.50 p.m.—HARRY NORTH, Concertina:

"Popular Songs."

5.57 p.m.—LITTLE MISS KOOKABURRA will talk about the Kookaburra's Motto—

"Kind Thoughts and Ideas to Everyone and Everything."

6.15 p.m.—MADOLINE KNIGHT, Contralto:

Will sing two little songs for the children.

6.15 p.m.—LITTLE MISS KOOKABURRA will tell the next instalment of—

"The Cruise of the Saucy Jane."

"Tomalee" (Rescue).

6.30 p.m.—Official Report to Newmarket Stock sales—numbers of sheep and cattle drawn for week's sales.

6.35 p.m.—"Argus" News service. "Merrie News service. Weather synopses. Shipping movements.

6.47 p.m.—Stock Exchange information.

6.52 p.m.—Fish Market Reports by J. R. Borrelli, Ltd., London.

6.55 p.m.—River reports.

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

7.05 p.m.—Fruit Market reports by the Victorian Wholesale Fruiterers' Association, compiled by the "True World," exclusive to ELO.

NIGHT SESSION.

7.15 p.m.—Under the auspices of the Development League, MR. J. F. BRADY will speak on:

"Is Australia Free?"

7.20 p.m.—MR. E. C. H. TAYLOR, "School Life and School Sports."

7.25 p.m.—Mr. W. H. L. H. of the Department of Agriculture, MR. J. M. KERR, Chief Dairy Supervisor, will speak on:

"Causes of Degeneration in Milk."

CHAMBER MUSIC AND A PLAY.

8 p.m.—STUDIO ORCHESTRA:

"Bohemian" (Puccini).

8.10 p.m.—MADAME LAMBERT, Soprano:

"Monna Vanna" (Puccini).

8.12 p.m.—TASMA TIERMAN, Cello Recital:

"Lento du Concerto" (Lalo).

8.30 p.m.—STUDIO ORCHESTRA:

"1st Symphony," 2nd Movement (Beethoven)

INTERLUDE.

8.40 p.m.—MR. NORMAN MCANCE and "Al Karmick's Limericks."

8.55 p.m.—ALAN MITCHELL, Tenor:

"The Trust" (Sibelius).

"O Mio Babbino" (Offenbach).

8.58 p.m.—BERTHA JORGENSEN, Violin:

"Romance" (Beethoven).

9.00 p.m.—MADAME LAMBERT, Soprano:

"Air de Salomé" (Massenet).

"Down in the Forest" (Ronald).

9.15 p.m.—STUDIO ORCHESTRA:

"Ballet Music—Reamendine" (Schubert).

9.20 p.m.—ALAN MITCHELL, Tenor:

"The Golden Man" (Alfred Boito) (Puccini).

9.24 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S MESSAGE TO DAY—

DAY FOR MOTORISTS:

"Never force your way through a crowd of people boarding or alighting from a tramcar. Beware of belated passengers alighting."

Announcements.

9.30 p.m.—STUDIO ORCHESTRA:

"1st Symphony—4th Movement" (Beethoven)

MELODY AND MERRIMENT.

9.45 p.m.—THE D'ARCY TRIO:

Rosa D'Arcy: "La Bohème" (Puccini).

Eileen McCarthy: "Trum the Carehouse" (Gardiner).

Trios Talking to the Moon" (Barkett).

Myrtle Shewes, Piano Solo, "Polish Dance" (Schwarzenke).

4.7 p.m.—WALTER SMITH, Cornet:

"The Lost Chord" (Sullivan).

ROSA D'ARCY:

"Spring is Here" (Bennet and Cartlidge). TRIO: "Spanish Mullay."

4.10 p.m.—CARLTON CHASE:

"Bye-Bye, Blackbird."

"Flowers."

10.15 p.m.—Meteorological information. Periodical Official Wireless news. "Argus" News service.

10.27 p.m.—STUDIO ORCHESTRA:

"Spanish Dancer" (Reinhart).

10.37 p.m.—JOE BRENNAN AND IDA

NEWTON:

"Insurance Agent."

JOE BRENNAN:

"Something Doing Over the Way."

10.47 p.m.—STUDIO ORCHESTRA:

"Pass Play" (Gibson).

11 p.m.—OUR GREAT THOUGHT:

"Duth not the lion for strength, the turtle for love, the art for labour, excel man." Duth not the eagle new cleares, the vulture smell better, the mole bear lighter? Let us therefore endeavour to excel in virtue, seeking in qualities of the body we are bound to have, to honour John Lyly."

11.1 p.m.—JOE ARONSON AND HIS SYN-COPATING SYMPHONISTS:

"Moonlight on the Ganges" (Wallace).

"Song Other Bird Whistled a Tune"

(Bryan).

"While the Years Go Drifting By."

(Rahm).

"Cap Handa, Here Comes Charlie" (Meyer).

"Mademoiselle" (Nicholls).

"To Make You Happy" (Donaldson).

"Coaxin' the Piano"—Piano Solo (Confrey).

"Speech" (Friend).

"Meadow Lark" (Furton).

"Stripping in Society" (Akst).

"Where Do You Work, John?" (Mark).

"Honolulu Moon" (Lawrence).

"You Need Someone to Love" (Glen).

"Ho Ho the Morris" (Brown).

"St. Louis Blues" (Hansy).

11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE

MIDDAY SESSION

1.0 p.m.—Market Reports; Weather Information supplied by the Commonwealth Weather Service. 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.

1.45 p.m.—From the Observatory: Standard Time Signals.

1.45 p.m.—AFTERNOON SESSION.

2.30 p.m.—From Hotel Carlton: Afternoon Tea Music played by Hotel Carlton Symphony Orchestra.

4.15 p.m.—From the Studio: News Service supplied by "The Telegraph."

EARLY EVENING SESSION.

4.30 p.m.—Close Down.

4.30 p.m.—News Service supplied by "The Daily Standard."

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

7.0 p.m.—Market Reports; Stock Reports.

7.20 p.m.—Weather News; Announcements.

7.45 p.m.—Standard Time Signals.

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

NIGHT SESSION.

"WHITE HOUSE" ENTERTAINMENT.

The first portion of Korch's programme will comprise a concert relayed from Messrs. Olsen and Goodchap's Furniture Warehouse, "The White House," Woolloomooloo. "White House" soloists: "Clementine" (Miss Peacock); "A Merchant's Song" (Miss Peacock); "Swing Song" (Veronica, Miss Meeson); Miss Alice Raven and Miss Fred Homer recitation; "The Play from C. J. Dennis"; "Sentimental Bloko"; Mr. Len Guyatt; duet, "A Garden of Roses" (Sanderson).

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TRUEST TO NATURE.

Miss Pat McOnigley and Mr. Fred Homer; contralto solo, "The Flower Song" from "Faust"; (Gounod), Miss Alice Raven; soprano, duet selected, "O, Lovely Night" (Clarkson-Ronald), Miss Alice Raven and Mr. Fred Homer; musical monologue, "The Pigtail of Li Fung Ju" (San Rohmer); Mr. Leo Guyatt; duet, "As I Went a-Roving" (Sanderson), Miss Pauline McOnigley and Mr. Fred Homer; contralto solo selected, Miss Alice Raven; recitation, "The Bush Choristers" (Patterson), Mr. Leo Guyatt; accompanist, Mr. Cyril Barclay.

PIANOFORTE RECITAL.

The second portion of the programme will comprise a pianoforte recital by Mr. Erich John.

8.00 p.m.—FROM MR. ERICH JOHN'S STUDIO: (a) Intermezzo, Opus 74, No. 4 (Brahms); (c) ballade, Opus 11, No. 1 (Brahms); contralto solo, "Long Ago in Egypt" (Lehman); Miss Laura Leidi: (a) "Funeral March on the Death of a Hero," from "Grand Sonata" Opus 25, (b) "Kondo" (Pinioli); contralto solo, "Timpani" (Granada); (d) Laura Lock; (a) "Commission," No. 3 (Lieze); (b) "Liebestraum" No. 3 (Lieze).

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

5CL, ADELAIDE.

Monday. MORNING SESSION.

10.00 noon—G.P.O. chimes.
12.30 p.m.—Report on the New Reproducing Camera and the Autotype Reproducter.
12.30 p.m.—"Advertiser" news service.
12.50 p.m.—Market reports.
1.00 p.m.—G.P.O. chimes.
1.10 p.m.—Musical programme continued.
1.30 p.m.—G.P.O. chimes and close down.
3 P.M.—MUSICAL SESSION,
3 p.m.—G.P.O. chimes.
3.1 p.m.—Relay from the Maple Leaf Cafe—Orchestral items.
3.45 p.m.—From the Studio—Musical Items.
4.00 p.m.—G.P.O. chimes.
4.10 p.m.—Relay from the Arcadia Cafe—Orchestral items.
4.55 p.m.—Station announcements.
6 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

4.00 p.m.—G.P.O. chimes.
4.10 p.m.—Dinner music by Covent Garden Orchestra.
4.15 p.m.—Bedtime stories.
7.30 p.m.—Market reports.
7.40 p.m.—Physical culture talk by Mr. Noel Hubble.
8 p.m.—G.P.O. chimes.
8.1 p.m.—Bedtime stories.
8.20 p.m.—"Twinkles" original humorous talk (Mr. F. J. Miles).
9.40 p.m.—Song, Mr. H. Warden.
9.45 p.m.—5CL Orchestra.
9.50 p.m.—G.P.O. chimes.
9.55 p.m.—Market reports.
10.00 p.m.—"Dishes" weather report.
10.40 p.m.—Contralto solo, Miss Hills Simecock.
10.45 p.m.—Recitation, Mr. Frank Part.
9.15 p.m.—5CL Orchestra.
10.22 p.m.—Soprano solo, Miss Melba Wallace.
10.25 p.m.—Cello solo, Miss Lizzie Foglia.
10.30 p.m.—Cello solo, Miss Alice Bourke.
9.35 p.m.—5CL Orchestra.
9.40 p.m.—Humorous item, Mr. Frank Part.
9.45 p.m.—Contralto solo, Miss Hills Simecock.
10.48 p.m.—Baritone solo, Mr. H. Warden.
9.51 p.m.—Humorous item, Mr. F. Part.
10.55 p.m.—Cello solo, Mr. G. Goldsworthy.
10.58 p.m.—G.P.O. chimes.
11.10 p.m.—"Advertiser" news service.
10.15 p.m.—5CL Orchestra.
10.22 p.m.—Soprano solo, Miss Melba Wallace.
10.25 p.m.—Pianoforte solo, Mr. Tom King.
10.30 p.m.—Pianoforte solo, Mr. Tom King.
10.35 p.m.—Contralto solo, Miss H. Simecock.
10.40 p.m.—Cello solo, Mr. G. Goldsworthy.
10.45 p.m.—Humorous item, Mr. Frank Part.
10.50 p.m.—Studio Orchestra.
11 p.m.—G.P.O. chimes and close down.

6WF, PERTH.

Monday.

12.30 p.m.—Tune in.
12.35 p.m.—First Local News Bulletin; Market Reports: Cables.
1 p.m.—Time Signal from Perth Observatory.
1.00 p.m.—Weather Notes supplied by the Meteorological Bureau of Western Australia.
1.00 p.m.—STUDIUM QUINTETTE.
2 p.m.—Close down.
3.00 p.m.—Tune in.
3.05 p.m.—Musical programme.
4 p.m.—STUDIUM INSTRUMENTAL TRIO.
4.00 p.m.—Close down.
4.40 p.m.—Tune in.
4.50 p.m.—Uncle Henry and Duffy will talk to the Kiddies.
7.20 p.m.—Music and Share intelligence.
Market Reports: Cables. News by courtesy of "The West Australian" Newspaper Coy.
4.45 p.m.—Talk.
5 p.m.—Time Signal from Perth Observatory.
5.00 p.m.—Weather Notes supplied by the Meteorological Bureau of Western Australia.
CONCERT FROM THE STUDIO.
8.20 p.m.—Musical programme, including Aristocrats.
10.00 p.m.—Late news items by courtesy of "The Daily News" Newspaper Coy. Ships with cargo announcement. Weather Report and Forecast.
10.00 p.m.—Close down.

1.20 p.m.—Studio music.
1.25 p.m.—Stock Exchange, second call.
1.30 p.m.—Marching music for school children.
1.40 p.m.—Miss Annie Payne, mezzo: "Song of Florin" (Godard).
1.45 p.m.—Studio music.
2 p.m.—"Big Ben" Close down.

AFTERNOON SESSION.

2 p.m.—"Big Ben" and announcements.
3.50 p.m.—A Recital arranged by Mr. S. Gordon Lawes, blind pianist.
3.30 p.m.—Marching music for school children.

3.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Anne Mills, soprano: "A Song on Thanksgiving" (Alliston).

3.45 p.m.—FROM THE STUDIO: Further items from the Recital by Mr. S. Gordon Lawes.

4 p.m.—FROM FARMER'S TEA ROOMS: Miss Edith Moreau, mezzo.

4.50 p.m.—FROM THE STUDIO: Miss Eileen Jenkins, soprano: "Thoughts have Wings" (Lehmann).

4.10 p.m.—Studio music.
4.15 p.m.—Miss Faith Mallaby, soprano: "Fiddler come and play for me" (Phillips).

4.20 p.m.—FROM FARMER'S TEA ROOMS: Miss Anne Mills, soprano: "When Will You Marry" (Lyon).

4.25 p.m.—FROM THE STUDIO: Popular records.

4.30 p.m.—Miss Eileen Jenkins, soprano: "Shadowless Home" (Cadmam).

4.35 p.m.—Studio music.
4.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Edith Moreau, mezzo.

4.45 p.m.—FROM THE STUDIO: Stock Exchange, third call.

4.45 p.m.—Miss Faith Mallaby, soprano: "A blood-red ring hung around the Moon" (Hallinan).

4.50 p.m.—Studio music.
5 p.m.—"Big Ben" Close down.

EVENING SESSION.

5.45 p.m.—The Chimes of 2FU.
5.50 p.m.—The "Bello Man" talks to the children.

6.10 p.m.—Songs for the little ones, sung by the composer, Miss Edith Harchy.

6.15 p.m.—A Song for the Children.

6.40 p.m.—Dinner music.

7 p.m.—"Big Ben" Late sporting news.

7.10 p.m.—Dalgot's market reports (wool, wheat and stock).

7.15 p.m.—Fruit and vegetable markets.

7.20 p.m.—Weather and shipping intelligence. Stock Exchange information.

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

NIGHT SESSION.

7.45 p.m.—Programme announcements.

7.50 p.m.—A talk by Mr. A. S. Le Souf: "Hunting with the Aborigines."

8 p.m.—"Big Ben".

FROM THE ROYAL NAVAL HOUSE, SYDNEY:

Items by the N.S.W. State Military Band.

8.30 p.m.—FROM THE STUDIO: Miss Edith Harchy, the Welsh composer, in new songs.

8.45 p.m.—FROM THE ROYAL NAVAL HOUSE, SYDNEY:

The N.S.W. State Military Band.

8.45 p.m.—FROM THE STUDIO: Mr. Frank Leonard, entertainer: "Nationalistic" (Leicester).

8.50 p.m.—FROM THE ROYAL NAVAL HOUSE:

The N.S.W. State Military Band.

9 p.m.—"Big Ben".

FROM THE STUDIO: Miss Edith Harchy, Welsh composer, in new songs.

9.30 p.m.—Mr. Mischa Dobrinsky, violinist.

9.45 p.m.—FROM THE ROYAL NAVAL HOUSE:

The N.S.W. State Military Band.

9.45 p.m.—FROM THE STUDIO: Mr. Norman Janson, baritone.



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9.22 p.m.—FROM THE ROYAL NAVAL HOUSE:
The N.S.W. State Military Band.

8.52 p.m.—FROM THE STUDIO:
Mr. Leonard, entertainer;
High Mtn. Poem Man" (Lead).

9.36 p.m.—THE FFC Dance Band; conductor, Mr. Eric Pearce.

9.42 p.m.—Mr. Norman Jansen, baritone.

9.46 p.m.—FROM THE ROYAL NAVAL HOUSE:
The N.S.W. State Military Band.

8.52 p.m.—Mr. Frank Leonard, entertainer;
Mr. Walewski.

9.56 p.m.—Mr. Michael Dobresky, violinist.

10.4 p.m.—THE FFC Studio Dance Band.

10.14 p.m.—Mr. Norman Jansen, baritone.

10.18 p.m.—THE FFC Dance Band.

10.22 p.m.—Mr. Frank Leonard, entertainer;
"That's what Girls are for" (Lead).

10.30 p.m.—Mr. Mischa Dobrovinsky, violinist.

10.36 p.m.—Mr. Norman Jansen, baritone.

10.40 p.m.—THE FFC Dance Band.

10.48 p.m.—Music, songs and announcements.

11.15 p.m.—"Big Ben".

Bells by the FFC Dance Band until 11.15 p.m.

11.18 p.m.—National Anthem.

Clock down.

2BL, SYDNEY

Tuesday.

11 a.m.—G.P.O. clock and chimes.

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

11.18 a.m.—News from "Daily Telegraph".

11.22 a.m.—Social Notes. Replies to correspondence.

Talk on "Toilet Hints" by Mrs. Jordan.

12 noon—G.P.O. clock and chimes.

12.11 p.m.—Special ocean forecast and weather report.

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

12.23 p.m.—Information—Mills and shipping and movements of important ships.

12.28 p.m.—Sydney Stock Exchange calls.

12.31 p.m.—Boats in call by wireless.

12.33 p.m.—Stock exchange information.

12.31 p.m.—Vegetable market report.

12.33 p.m.—London metal market report.

12.34 p.m.—Dairy and farm produce market report.

12.36 p.m.—G.P.O. clock and chimes.

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

12.46 p.m.—Sporting information ("Sun").

12.48 p.m.—British Instrumental Quartet—Directed by Captain Carter.

12.50 p.m.—G.P.O. clock and chimes.

12.51 p.m.—News from the "Sun".

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

1.00 p.m.—Sydney Stock Exchange calls.

1.08 p.m.—News from the "Sun".

2 p.m.—G.P.O. clock and chimes.

Racing information broadcast immediately after each race by courtesy of the "Sun".

2.11 p.m.—Talk to children and special entertainments for children in hospital.

2.20 p.m.—News from the "Sun".

2.28 p.m.—G.P.O. clock and chimes.

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

2.41 p.m.—News from the "Sun".

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

3 p.m.—G.P.O. clock and chimes.

3.1 p.m.—News from the "Sun".

3.18 p.m.—THE D'ARCY TRIO. Director: Miss de Gouy-Brown.

3.26 p.m.—G.P.O. clock and chimes.

3.31 p.m.—News from the "Sun".

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

3.50 p.m.—News from the "Sun".

4 p.m.—G.P.O. clock and chimes.

4.1 p.m.—Civil Service Stores Trio.

4.15 p.m.—Serial story.

4.20 p.m.—G.P.O. clock and chimes.

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

4.41 p.m.—News from the "Sun".

4.50 p.m.—Racing resume.

4.52 p.m.—"Producers" Distributing Society's fruit and vegetable market report.

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

4.58 p.m.—Awards.

4.59 p.m.—Special ocean forecast.

5 p.m.—G.P.O. clock and chimes.

Clock down.

EARLY EVENING SESSION.

5.15 p.m.—G.P.O. clock and chimes.

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

5.20 p.m.—The pupils of Miss Monica Smiley will entertain the kiddies.

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

SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. clock and chimes.

Australian Mercantile, Land and Finance Co.'s report.

Weather report and forecast by courtesy of Government Meteorologist.

Producers—Distributing Society's fruit and vegetable market report.

Stock Exchange information.

Grain and fodder report ("Sun").

Dairy Produce report ("Sun").

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

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

8 p.m.—G.P.O. clock and chimes.

Broadcasters' Topical Chorus. An hour's programme presented by Cousin Val.

8.3 p.m.—Broadcasters' Light Orchestra under the direction of Mr. A. Knight Barnes.

8.39 p.m.—Mr. William Everett, tenor.

8.20 p.m.—Miss Geraldine Walewski, violinsolo.

8.30 p.m.—Miss Lenore Gotsch, violinurano soprano.

9.37 p.m.—Madame Bettie Vincent will talk on "Schubert".

9.57 p.m.—Resume of following day's programme.

9 p.m.—G.P.O. clock and chimes.

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

9.2 p.m.—Broadcasters' Light Orchestra.

9.12 p.m.—Miss Heather Kinnaird, contralto.

9.19 p.m.—Mr. Leonard Marr, baritone.

9.26 p.m.—Mr. Gerald Walewski.

9.36 p.m.—Mr. William Everett.

9.45 p.m.—Miss Lenore Gotsch.

10.3 p.m.—Mr. Leonard Marr.

10.7 p.m.—Miss Heather Kinnaird.

10.14 p.m.—The Ambassadors' Dance Band. Broadcast from the ballroom of the Ambassador during the intervals between the dances. "Sun" news will be broadcast.

11 p.m.—G.P.O. clock and chimes.

12 midnight—G.P.O. clock and chimes.

National Anthem.

3LO, MELBOURNE.

Tuesday.

MIDDAY SESSION.
"SWEET AIRS AND THE MAGIC OF MOTION".

12 noon—MILITARY SIGNAL. British Official Wireless News from Rugby, Worcester and The Australian Press Association Cables.

"Argus" and "Herald" News services.

12.20 p.m.—THE D'ARCY TRIO:

ROSA D'ARCY:

"Selections from "La Boheme" (Puccini).

EILEEN McCARTHY, Violin:

"Pale Moon" (Logan).

THE D'ARCY TRIO: "The Moon is Falling in the Moon".

MYRTLE SKEWES, Piano:

"Polish Dance" (Gershwin).

12.34 p.m.—STUDIO ORCHESTRA:

"Italiens in Alstria" (Rossini).

12.40 p.m.—Stock Exchange information.

12.45 p.m.—C. RICHARD CHUCC, Flute:

"Bogatelle" (Fleszar).

12.50 p.m.—CARLTON CHASE, Popular Songs:

"In the Twilight."

"Me Too, Ho, Ho, Ha, Ha?"

12.57 p.m.—STUDIO ORCHESTRA:

"Plais d'Amour" (Martini).

"Homeland" (Hoover).

1.15 p.m.—Metropolitan Weather forecast for Victoria, Tasmania, South Australia, and New South Wales. Ocean Forecast. River Reports.

1.16 p.m.—MUSICAL HALF-HOUR. Arranged and Announced by MR. J. SUTTON CROW:

MABEL NELSON, Pianist:

"Colonial Song" (Granger).

"Song of the Hills" (Willis).

MABEL NELSON, Vocal:

"Chariot Song" (Homborg).

HEINIE BARTON, Violin:

"Paganini" (Opizini).

"Indian Lament" (Dvorak-Kreisler).

1.45 p.m.—STUDIO ORCHESTRA:

"Comics Suite"—South (Travers).

1.50 p.m.—JOE BRENNAN AND IDA NEWTON:

"Joe Meets Ida."

"Mother Bobbed Her Hair."

JOE BRENNAN:

"I Want Something to Practice On."

2 p.m.—Clock down.

AFTERNOON SESSION.

3 p.m.—JOE ARONSON AND HIS SINGERS:

"Fatigued Symphonists"

"What's the Use of Living" (Forsterstein).

"Home, Sweet Home" (Friends).

"Just a Bird's Eye View" (Donaldson).

3 p.m.—JOE FAITH:

"Fashion Talk."

3.20 p.m.—JOE ARONSON AND HIS SYNTHOPING SYMPHONISTS:

"If You See Sally" (Krahl).

"Somebody's Lonely" (Davis).

"Sam, the Old Accordion Man" (Donaldson).

3.30 p.m.—RUSSELL CALLOW, Tenor:

"My Pretty Jane" (Birkby).

"Just a Little Song" (Harley).

3.42 p.m.—JOE ARONSON AND HIS SYNTHOPING SYMPHONISTS:

"Baby Face" (Ales).

"Tings-A-Ling" (Bell of the Bell).

"Mary Lou" (Lyman).

3.52 p.m.—MADOLINE KNIGHT, Contralto:

"My Dear Soul" (Sanderson).

"All Dawning" (Cadam).

4 p.m.—JOE ARONSON AND HIS SYNTHOPING SYMPHONISTS:

"Chinese Moon" (Hausham).

"The More We Are Together" (Campbell).

"I'm On My Way Home" (Berlin).

4.10 p.m.—HARRY NORTH, Conductor:

"Old Folks" (Sherman).

"Climbing the Ladder of Love" (Mathercraft).

4.27 p.m.—MATRON MORELAND:

"Mothercraft."

4.37 p.m.—JOE ARONSON AND HIS SYNTHOPING SYMPHONISTS:

"Let All Hail Ford" (Leidle).

"I Didn't Know" (Swift).

"The Original Black Bottom" (Henderson).

4.40 p.m.—JOE ARONSON AND HIS SYNTHOPING SYMPHONISTS:

"Black Bottom" (Henderson).

5 p.m.—Clock down.

EVENING SESSION.

5.30 p.m.—Answers to Letters and Birthday Greetings.

5.50 p.m.—STUDIO ORCHESTRA:

"Schumann Suite," Part I.

6.0 p.m.—MARY GUMBLEAF: Story for the Boys and Girls.

"Black and the Sailor."

6.10 p.m.—STUDIO ORCHESTRA:

"Schumann Suite," Part II.

6.15 p.m.—MARY GUMBLEAF: Poem

"Through the Prickly Hedge."

Boys and Girls:

"Mary Gumbleaf" will talk to you about the Tasmanian Boy Scouts.



The Ideal Valves for
Solodyne Sets
Osram D.E. 5B
AND
D.E. 8H.F.

Careful layout, perfect balance and vernier controls all go to make your Solodyne set efficient, but unless the right valve is used your set is thrown out of balance, your layout nullified and efficiency cannot be attained.

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The 'Boon' Companions of Osram Valves



5.30 p.m.—Official Report of Newmarket Stock Sales. Report on Sheep and Lambs.
 5.35 p.m.—"Argus" and "Eusal" News Service; Weather Synopsis; Shipping Movement.
 6.47 p.m.—Stock Exchange Information.
 6.55 p.m.—Market Reports by J. R. Morris, Ltd.; Raabit Prices.
 7.55 p.m.—River Results.
 9.35 p.m.—Market Prices by the Victorian Producers' Co-operative Co., Ltd.; Dairy Produce, Fruits and Oranges; Poultry; Germs; Straw; Hay and Jute.
 9.45 p.m.—Fruit Market Reports by the Victorian Wholesale Fruitgrowers' Association, compiled by "The Fruit World," exclusive to [redacted].

NIGHT SESSION.

7.15 p.m.—MADAME SOWARD:

"L'amour transfiguré".

7.30 p.m.—the auspices of the University Extension Board, MR. G. L. WOOD, M.A., V.R.C.S., Senior Lecturer, Commerce Department, University of Melbourne; "The Institute of Pacific Relations Conference".

7.45 p.m.—DR. BROOKE NICHOLLS, New Zealand Traveller: "The Maori as It Was." "MUSIC—A STRANGE NORD SOM-GONG: THE SONGS OF ANOTHER SHORE," J. C. Holland.

8.00 p.m.—STEVENS' SILVER BAND: Marches, "BB" and "C.Z." (Hans), Emporium Solo, "Land of Hope and Glory" (Elgar).

8.30 p.m.—MADAME LAMBERT, Soprano: "Air de Mim" (Puccini); "Fenre d'Automne" (Massenet).

8.17 p.m.—CAPTAIN DONALD MCLEAN: "Blackbird—the Stage Pirate".

8.35 p.m.—HARRY NORTH, English Conser-

tative: "Bacchus".

8.40 p.m.—STEVENS' SILVER BAND: Selection, "Marietta" (Wallace).

8.50 p.m.—JOE BRENNAN, Recital: "Now Is the Winter of Our Discontent"; Richard III (Shakespeare).

"King Street of Rome," from "Hamlet"; Shakespeare.

9.00 p.m.—HAROLD ELVINS, Pianoforte Re-

cital:

"Requiescat domine" (Delibes); "The Spinning Women of Carantec" (Rhein-Prunier).

"Nocturne B. flat minor" (Chopin).

"Schwarm B. minor" (Chopin).
 9.25 p.m.—STEVENS' SILVER BAND: Fantasy; "Memories of England" (Buell); Valaisie; "Spring Blossoms" (Eugene Lemont).

9.40 p.m.—Guest Recitals: ROYAL VIC-
TORIAN AUTOMOBILE CLUB'S SAFETY
MESSAGE FOR TO-DAY, IS—

PEDESTRIANS:

"Always keep cool if caught in traffic. Don't lose your head and dodge about. It is better to stand still if it is a tight place to do so."

9.45 p.m.—RUSSELL CALLADY, Tenor: "A Little Bit Longer" (Carroll); "One Festive Lagrana," L'Elise d'Amore (Denizet).

9.55 p.m.—HARRY NORTH, English Con-
certina: "La Paloma".

10.05 p.m.—STEVENS' SILVER BAND:
Song, "Solid Robin Adair" (Hartmann).

10.14 p.m.—Argus News Service; British Official Wireless News; Meteorological Information.

10.14 p.m.—MADAME LAMBERT, Soprano: "L'engant prodige" (Delibes); "Il est une fois" (Duperre).

10.35 p.m.—STEVENS' SILVER BAND:
Emporium Solo, "Asleep in the Deep" (Porter).

March.

"Distant Greetings" (Dorfmeier); 10.35 p.m.—Sporting Notes by "Olympus" (McGill); RUSSELL CALLADY, Tenor:

"The Dear Little Garden There" (McGill).

10.45 p.m.—STEVENS' SILVER BAND:
Overture, "Diamond Cross" (Greenwood).

10.55 p.m.—CARLTON CHASE, Popular Songs:

"Where the River Shannon Flows."

"I Wonder Where My Baby Is?"

11 p.m.—OUR GREAT THOUGHT:

"When thou beholdest anyone loaded with honours, dignities, and all seeming prosperity, see that mere externals do not lead thee to pronounce him happy. For his happiness depend on things within thy reach, envy and meanness are still uppermost. Therefore, desire neither station nor dignities to be free. Now, there is but one road to this; not to set a value on what is beyond thy power"—Epictetus.

11.15 p.m.—JOE ARONSON AND HIS SYN-
COPATING SYNPATONISTS:

"Burgundy" (Malle); "To-night is My Night With Baby" (Meyer); "How the Moon is Better Than No Moon" (Areyenda).

"Holding" (West).

"In a Little Spanish Town" (Wayne).

"I've Been Wanting My Dreams Over You" (O'Hearn).

"Take in the Sun, Hang Out the Moon" (Wood).

"Pindangle" (Barry).

"The Villain Blackmail" (Moore).

"I'm Longin' for You" (Hathaway).

"Kentucky Lullaby" (Miller).

"I've Got the Girl" (Donaldson).

"There Ain't no Mayb in My Baby's Eyes" (Elke).

"You've Got a Black Shuffle" (Spark).

"Ever Little Thing" (Spencer).

11.45 p.m.—G.P.O. clock says: "Five."

Close down.

CHILDREN'S SESSION.

8.45 p.m.—"Uncle Mac's entertainment," EVENING SESSION.

MIRTH AND MUSIC.

7.45 p.m.—British official wireless press; Fat sheep and cattle report by Messrs. John McNamara and Co., Ltd.

Studio barometer readings.

8 p.m.—G.P.O. clock says: "Eight."

8.1 p.m.—Miss Beatrice Oakley, in excerpts from favorite Grand Operas;

"Minuetta's Song," from La Bohème (Puccini).

"I said there is nothing to fear," from "Carmen."

8.2 p.m.—Mr. Harry Creighton, in his novelty at the piano, featuring some old favorites;

"Moonlight and Roses."

"Three o'clock in the morning."

8.15 p.m.—Mr. Jack Donovan, harpist;

"The Pagan" (Loibl); "Song of the Volks Hostman" (Chaliapin-Koenen).

8.20 p.m.—Opera play, "The Pocahontas Feud," Madame Pendonia, Andrey Anderson-Poely (the maid), Winnie Thornton.

The scene is laid during the period 1804 during the war with France.

8.37 p.m.—Mr. Joseph Delaney, tenor;

"Trooper Johnny Ladlow" (Temple).

8.45 p.m.—Miss Daphne Patten, violin;

"Five by the Clock" (Malibron).

"La Poupee" (Palmer).

8.52 p.m.—Mr. Eddie Hill, comedian;

"Give me a cup of cocoa" (Sullivan).

"Sing Sing" (Harrow).

8.55 p.m.—Mr. Harry Creighton, piano;

"Excerpts Touristes" (Godowsky).

"A Storm" (Godowsky).

8.56 p.m.—Miss Beatrice Oakley, soprano;

"Chanson Indien" (Korsakoff).

"Annie Laurie" (Lehmann), by request.

8.15 p.m.—Mr. Joseph Delaney, tenor;

"My Dreams" (Tosti).

"Wherefore ye weep" (Handel).

8.30 p.m.—Mr. W. Mark, on "Metals and Minerals, under the auspices of 'The Arts and Crafts Society of Victoria.'

8.35 p.m.—Mr. Joseph Delaney and Mr. Jack Donovan, duets;

"In this solemn hour" (Verdi).

"Fickle hearted Minni," from La Bohème (Puccini).

9.45 p.m.—Miss Daphne Patten, violin;

"Cavatina" (Gluck-Brahms).

"La Chiquitaina" (Gabriel Marin).

9.53 p.m.—Mr. Laurie Hill wants to sing again;

"I'll Be Heeded Hannah" (Zillah and Beta).

"You're and Mine" (Lei).

10.10 p.m.—G.P.O. clock says: "Ten."

10.1 p.m.—"The Age" news bulletin, exclusive to BAR.

10.5 p.m.—Dance Hour, Leggett's Ballroom Orchestra, Direction, Mr. Harry Nangle.

11 p.m.—G.P.O. clock says: "Eleven."

God Save the King.

Close down.

4QG, BRISBANE.

Tuesday.

MIDDAY SESSION.

4.00 p.m.—Market Reports; Weather Information; "The Daily Mail" and "The Daily Standard" News.

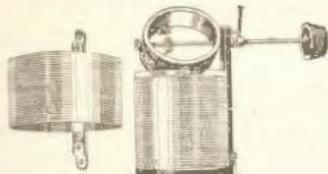
4.00 p.m.—From Hotel Carlton: Lunch Music played by Hotel Carlton Symphony Orchestra.

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JUNIOR
"Browning-Drake"

COIL KIT



It has never failed to improve the performance of any Radio Receiver. Built specially for Australian conditions. Complete with instructive Blue Print for Wiring.

22/6

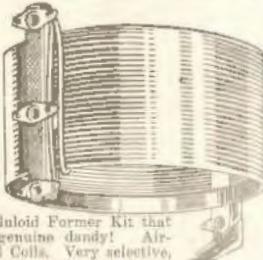
At All Dealers.

—And Here's the



JUNIOR
Neutrodyne

COIL KIT



A Celluloid Former Kit that is a genuine dandy! Air-spaced Coils. Very selective, because Australian conditions have been taken into consideration in its manufacture. Complete with Blue Print, giving full wiring instructions.

22/6

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Improved
STRAIGHT LINE

FREQUENCY CONDENSER



Here's a Condenser that's an improved straight line Frequency. Gets all Broadcasting stations evenly over the sweep of the dial. Cuts out station-bunching, and increases selectivity.

AT ALL DEALERS.

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.00035—10/-

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Take a Look at the



MIDGET CONDENSER

The Advance Midget Condenser has all the characteristics that have made Advance Condensers so famous. Finished with a nicely moulded Bakelite knob. 11-plate price.

6/6

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RADIO CORPORATION OF
AUSTRALIA PTY., LTD.

Melbourne, Sydney, Adelaide, Brisbane.

Wholesale from

FOX & MACGILLYCUDDY

also

HARRINGTON'S, Sydney

1.45 p.m.—From the Observatory: Standard Time Signals.
2.30 p.m.—Close Down.

AFTERNOON SESSION.
PROGRAMME OF MUSIC
FROM THE STUDIO: Duo Art selection, "Serenade" (Schubert); Asolian Vocalion selections: (a) Fox-Trot; "Sunny" (Kern), Riverside Dancers Band; (b) quartette, "Soldiers' Chorus" (Gounod); "Universal Soldier"; Duo Art selection, "Staccato Elude" (Rubinstein); Asolian Vocalion selections: (a) Hawaiian "Golden Dream Girl" (Moore), Palatial Hawaiian; (b) contralto solo, "Just a Ray of Sunshine" (Squire), Miss Ethel Hook; Duo Art selection, "Amour Veut Capitainer" (Mendelssohn); Asolian Vocalion selections: (a) "The Commanding Heater" (Fahrbach); (b) Military Band; (d) bars solo, "The Admiral's Dream" (Bevan), Mr. Kenneth Ellis; Duo Art selection, "Lisbeth" (Listz).
4.15 p.m.—"The Telegraph News."
4.30 p.m.—Close Down.

EARLY EVENING SESSION.
"Daily Standard" News; Announcements.
6.30 p.m.—The Children's Session: Stories by Uncle Ben and Uncle Jim.
7.00 p.m.—Market Reports; Stock Reports.
7.30 p.m.—Weather News; Announcements.
7.45 p.m.—Standard Time Signals.
7.45 p.m.—Lectures: "Motorists' Correct Lubrication Talk No. 6," "Giargoyles."

NIGHT SESSION.
SEPELT'S CONCERT.
To-morrow evening has been arranged by H. Sepelet and Sons, Ltd., and will be broadcast from the Reception Hall at 42Q, 8.0 p.m.—FROM THE STUDIO OF 4QG: Overture, "Orpheus der Unterwelt" (Offenbach); "The Great Western" (Quilter); "feuerkugel," "A Chat About the Wine Industry," Mr. A. W. Jones (Manager for Queensland), H. Sepelet and Sons, Ltd.; orchestra, "Simple Ayer" (Phonix); "Great Western Party"; tenor solo, "Young Tom O'Dowd" (Gussell); Mr. A. Seddon, piano solo, "Here in the Quiet Hour" (Carmel), Miss E. Pickering; baritone solo, "Give Me a Home Where the Call Is Free" (Michael Head); Mr. E. V. Jones, saxophone solo, selected; Mr. Luke Smith; contralto solo, "Just a Wearin' for You" (Bond); Miss L. Comley; monologue, selected; Mr. T. Muller; orchestra, fox-trot, "Sweet One" (Johnson); "The Western Party"; baritone solo, "Roulette" (Rousseau Westby); Mr. T. Colledge; pianoforte solo, "Romance Op. 42, No. 1" (Sinevina); (b) "Serenade Op. 42, No. 5" (Grieg); Miss Rose Martin; orchestra, "Rheinfels" (Grieg); "Great Western Party"; baritone solo, "The Blacksmith" (Slater); Mr. T. Colledge; contralto solo, "My Prayer" (Britten); Miss L. Comley; saxophone solo, "Miserere"; Misses Luke and Her Welsh; tenor solo, "The Yeoman's Wedding Song" (Poniatowski); Mr. A. Seddon; orchestral march, "The Glenorchy" (Hayes); "Great Western Party"; "Glenorchy" (Hayes); soprano solo, "Star of Bethlehem" (Arden); Miss E. Pickering; monologue, selected; Mr. T. Muller; baritone solo, "Songs of the Old Country" (a) "The Crown of the Year"; (b) "The Wayfarer's Night Song" (Eustache Martin); Mr. A. V. Jones; orchestra, "Serenade" (Schubert); "Great Western Party".

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

SCL, ADELAIDE.

Tuesday.

MORNING SESSION.
9.00 a.m.—G.P.O. chimes.
12.45 p.m.—Musical selections.
12.55 p.m.—"Advertiser" news service.
12.55 p.m.—Market reports.
1.00 p.m.—G.P.O. chimes.
1.15 p.m.—Musical selections.
2.00 p.m.—G.P.O. chimes and close down.
AFTERNOON SESSION.
3.00 p.m.—G.P.O. chimes.
3.15 p.m.—Relay from Maple Leaf Caf—Orchestra selection.

3.45 p.m.—From the Studio—Recitals on the "New Reproducing Sonora" and the "Automobile Reproducers."
4.00 p.m.—G.P.O. chimes.
4.15 p.m.—Relay from the Arcadia Cafe—Orchestra selection.
4.35 p.m.—Market announcements.
5.00 p.m.—G.P.O. chimes and close down.
EVENING SESSION.
6.00 p.m.—G.P.O. chimes.
6.15 p.m.—Dinner music by Covent Garden Restaurant Orchestra.
6.45 p.m.—Bedtime stories.
7.30 p.m.—Market reports.
7.40 p.m.—Home beautiful talk by "Dame." 8.00 p.m.—G.P.O. chimes.
8.15 p.m.—Selection, Suburban Silver Band.
8.20 p.m.—Humorous item, Mr. W. Runge.
8.25 p.m.—Violin solo, Mr. James Glennon.
8.35 p.m.—Solo, Mr. George Myers.
8.40 p.m.—Mezzo solo, Miss Elsie Wauchop.
8.45 p.m.—Talk by the Rev. Nicholls.
9.00 p.m.—G.P.O. chimes.
9.15 p.m.—Weather report.
9.30 p.m.—Dalgety's wheat report.
9.45 p.m.—Selection, Suburban Silver Band.
9.50 p.m.—Humorous item, Mr. W. Runge.
9.55 p.m.—Violin solo, Mr. James Glennon.
10.00 p.m.—Pianoforte solo, Mr. Lawrence Hart.
10.15 p.m.—Selection, Suburban Silver Band.
10.30 p.m.—G.P.O. chimes.
10.45 p.m.—"Advertiser" news service.
10.55 p.m.—Humorous item, Mr. W. Runge.
10.55 p.m.—Solo, Mr. G. Myers.
10.55 p.m.—Violin solo, Mr. James Glennon.
11.00 p.m.—G.P.O. chimes and close down.

7.25 a.m.—Investment market, mining share market, metal quotations.
7.30 a.m.—Wool sales, breadfruit markets, intermediate markets, produce markets.
7.45 a.m.—"Sydney Morning Herald" summary.

8.00 a.m.—"Big Ben," Close down.
MORNING SESSION.
10.00 a.m.—"Big Ben" and announcements.
10.15 a.m.—"Sydney Morning Herald" news service.

10.30 a.m.—Studio music.
10.45 a.m.—A Reading.
10.45 a.m.—Studio music.
11.00 a.m.—"Big Ben" and marching music for school children.

11.15 a.m.—A.P.A. and Reuter's Cable Services.
11.15 a.m.—Marching music.
11.20 a.m.—A talk on Home Cooking and Receipts by Mrs. Ruth Purst.

11.35 a.m.—Close down.
MIDDAY SESSION.

12.00 noon—"Big Ben" and programme announcements.

12.20 p.m.—Stock Exchange, first call.
12.30 p.m.—Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.

12.35 p.m.—Studio music.

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

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

12.40 p.m.—Miss Anne Luciano, soprano.
12.45 p.m.—Studio music.

1.00 p.m.—"Big Ben," Weather intelligence.
1.30 p.m.—"Evening News" midday news service.
1.45 p.m.—"Advertiser" Distributing Society's Report.

1.50 p.m.—Studio music.

1.55 p.m.—Stock Exchange, second call.
1.50 p.m.—Marching music for school children.

1.40 p.m.—Miss Anne Luciano, soprano.

1.45 p.m.—Studio music.

2.00 p.m.—"Big Ben," Close down.

AFTERNOON SESSION.

3.00 p.m.—"Big Ben" and programme announcements.

3.15 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE, GEORGE STREET, SYDNEY: "Hail" by Jimmy Elklin's Orchestra, with the Grand Organ.

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

3.40 p.m.—FROM FARMER'S TEA ROOMS: Miss Peggy Dunbar, contralto; "Dreaming of Horace" (Babyl).

3.45 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE: Jimmy Elklin's Orchestra.

4.00 p.m.—"Big Ben."

FROM FARMER'S TEA ROOMS: Miss Florence Grant, soprano; "April is a Lady" (Phillips).

4.15 p.m.—FROM THE STUDIO: Miss Thelma Mitchell, mezzo.

4.30 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE: Jimmy Elklin's Orchestra.

4.45 p.m.—FROM FARMER'S TEA ROOMS: Miss Florence Grant, soprano; "Sisam" (Lang).

4.55 p.m.—FROM THE STUDIO: Miss Katherine Beverly, soprano; "My Ah Poh" (Lemon).

4.30 p.m.—FROM THE LYRIC WINTER GARDEN THEATRE: Jimmy Elklin's Orchestra.

4.45 p.m.—FROM FARMER'S TEA ROOMS: Miss Florence Grant, soprano; "Bird Song at Eventide" (Conrad).

4.45 p.m.—Stock Exchange, third call.

4.45 p.m.—Miss Thelma Mitchell, mezzo.

4.50 p.m.—Miss Katherine Beverly, soprano; "Bon Song" (Ware).

4.55 p.m.—Studio music.

5.00 p.m.—"Big Ben," Close down.

EARLY EVENING SESSION.

5.05 p.m.—The Chimes of 2FC.

5.05 p.m.—"Hello Man" talks to the children.

5.15 p.m.—Uncle Bus and "Jerry" entertain.

5.30 p.m.—A Serial Story.

6WF, PERTH.

Tuesday.

12.30 p.m.—Tune in.
12.35 p.m.—First Local News Bulletin, Market Reports, Cables.
1.00 p.m.—Time Signal from Perth Observatory.
1.15 p.m.—Weather Notes supplied by the Meteorological Bureau of Western Australia.
1.30 p.m.—STUDIO INSTRUMENTAL TRIO:
1.30 p.m.—Stock Close down.
1.30 p.m.—Tune in.
3.35 p.m.—Musical Programme, including pianoforte selections by MISS EVELYN WILLIS, A.R.C.M.
4.00 p.m.—STUDIO INSTRUMENTAL TRIO:
4.30 p.m.—Stock Close down.
4.30 p.m.—Tune in.
6.00 p.m.—Stories for Tiny Tots, by Auntie Marjorie.
7.05 p.m.—Uncle Leslie will talk to the Boys.
7.20 p.m.—Stock and Share intelligence.
Market Reports, Cables, News by courtesy of "The West Australian" Newspaper Co.
7.45 p.m.—Talk.
8.00 p.m.—Signal from Perth Observatory.
8.15 p.m.—Weather Notes, supplied by the Meteorological Bureau of Western Australia.
BAND NIGHT.
8.20 p.m.—Concert by the Perth City Band, Conductor: Mr. W. A. HALVORSEN.
10.00 p.m.—Late News items by courtesy of "The Daily News" Newspaper Co. Ships Report and Forecast.
10.30 p.m.—Close down.

Wednesday, June 22 2FC, SYDNEY

EARLY MORNING SESSION.
7.00 a.m.—"Big Ben" and announcements.
7.00 a.m.—Studio music.
7.15 a.m.—Country Session: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services.

A Well-known Radio Authority Praises

Radiokes Circloids

READ THIS :

The Metropolitan Electric Co., Ltd.,
27-29 King St.,
Sydney.

Curlewis St.,
Bondi.

Dear Sirs,

It gives me very much pleasure to be able to report the astonishing results I have obtained with a set of your "Circloid" Coils.

I built the set on a subpanel 23 x 8, and designed it so that I could solder the Coils and Radio Sockets in straight line. I followed your circuit and I found no need to use neutralising condensers.

I must say that you do not overrate the quality of your coils, as I find them most efficient for loop work, to which, by the way, you make no claim.

On an outdoor antenna, thirty-five feet vertical only, 4QG and 3LO came in so strongly that it was necessary to detune, as the volume rattled the speaker, which, I might mention, is a heavy Sterling Audivox—5CL and 3AR came in only some degrees less.

The next trial was an indoor aerial of about thirty feet of ordinary lead-in wire, tacked to the picture rail, and this gave results quite equal to the outside antenna.

Out of curiosity I then used a loop antenna by simply attaching it to the earth and antenna terminals of the set, and was considerably astonished to find that there was still volume sufficient to overload the speaker.

This is all the more wonderful, because I live at Bondi down in a hollow, and right on the tramline, and to make matters worse there is a heavy relay cable outside my front door, all of which make it very difficult for me to get Interstate stations on other sets.

Selectivity is perfect and for the first time, thanks to the Radiokes Circloid Coils, I have been able to hear 3LO without even a background of 2BL.

On every point your coils win, and I should like to congratulate you upon their splendid efficiency, and as a loop set they are very hard to beat, and I can assure you that in the future they will have no stronger advocate than

Yours faithfully,

S. P. CRITTENDEN.



45/- per Kit of 3 Units

IMPORTANT ANNOUNCEMENT TO DEALERS AND FANS.

The Manufacturers of RADIOKES R.F. Components have pleasure in announcing that they have secured the Sole Rights of AMPERITE, the World's only Real "Self-adjusting" Rheostat.

Our object has been to secure control of this superb product,—which should be used in conjunction with our components to get the best out of your set—so that we can assure you continuous supplies of AMPERITES, for any type or combination of tubes, at prices within reach of all.

FROM ALL HIGH-CLASS RADIO DEALERS OR DIRECT.

METROPOLITAN ELECTRIC CO. LTD.,

27-29 KING STREET, SYDNEY

6.45 p.m.—Dinner music.
 7 p.m.—"Big Ben," late sporting news.
 7.10 p.m.—Dailies' market reports (wool, wheat and stock).
 7.18 p.m.—Fruit and vegetable markets.
 7.20 p.m.—Weather and shipping intelligence.
 Stock Exchange.
 7.26 p.m.—Late "Evening News" news service.

NIGHT SESSION.

7.40 p.m.—Programme announcements.
 7.45 p.m.—Mr. Graston Smith will give a Book Review.

8 p.m.—"Big Ben."
 FROM THE PRINCE EDWARD THEATRE, CASTLERAEGH STREET, SYDNEY:
 Overture by the Prince Edward Orchestra under the baton of Mr. Will Prior. The prologue, "A Life on the Ocean Wave." The incidental music to the film presentation on "The Ironclad."

The Prince Edward Orchestra will play:
 (a) "Poem and Circumstance" (Elgar).
 (b) "Berenade" (Freigo).
 At the Grand Organ, Mr. Leslie V. Harvey will play:
 "By the Waters of Mianaotak" (Lieurance).
 8.00 p.m.—FROM THE STUDIO:
 The "Four Waifs" Male Quartette.
 8.15 p.m.—Witt and Windle, entertainers:

"Thank You, Porter" (Win).

8.15 p.m.—Madame Emily Marks, soprano.
 9.12 p.m.—Mr. William Krausnik, violinist.
 9.19 p.m.—The "Four Waifs" Male Quartette.
 9.28 p.m.—Madame Emily Marks, soprano.
 9.35 p.m.—Witt and Windle, entertainers:
 "He Did" (Win).

9.39 p.m.—The "Four Waifs" Male Quartette.
 9.45 p.m.—FROM THE PRINCE EDWARD THEATRE, CASTLERAEGH STREET, SYDNEY:
 Items by the Prince Edward Theatre Orchestra under the baton of Mr. Will Prior. Mr. Leslie V. Harvey at the Grand Organ.

9.55 p.m.—FROM THE STUDIO:
 Mr. William Krausnik, violinist.
 10 p.m.—"Big Ben."
 Madame Emily Marks, soprano.
 10.15 p.m.—Miss Maida Jones, soprab.
 10.20 p.m.—Witt and Windle, entertainers:
 "Poor John" (Jerrard).

10.25 p.m.—The "Four Waifs" Male Quartette.
 10.32 p.m.—Miss Maida Jones, soprab.
 10.40 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY:
 The Wentworth Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.
 10.55 p.m.—FROM THE STUDIO:
 Late news and announcements.

11 p.m.—"Big Ben."
 The Wentworth Symphonic Dance Orchestra in popular numbers until 11.15 p.m.—Conductor, Mr. Frederick Leighton.
 11.15 p.m.—National Anthem.
 Close down.

2BL, SYDNEY

Wednesday.

11 a.m.—G.P.O. clock and chimes.
 11.15 a.m.—Musical programme from the Studio.
 11.18 a.m.—News from the "Sun."
 11.20 a.m.—Talk on "Rowing" by Miss Gwen Varley. Broadcasters' women's sports authority.
 Social notes. Replies to correspondents by Mrs. Jordan.
 11 noon—G.P.O. clock and chimes.
 12.15 p.m.—Special ocean forecast and weather report.
 12.30 p.m.—Musical programme from the Studio.
 12.35 p.m.—Information. Mail and shipping.
 12.40 p.m.—Information of important ships.
 12.45 p.m.—Sydney Stock Exchange calls.
 12.48 p.m.—Bourse in call by wireless.
 12.50 p.m.—Fruit market report.
 12.51 p.m.—Vegetable market report.
 12.52 p.m.—London metal market report.

12.24 p.m.—Dairy and farm produce market report.
 12.27 p.m.—Racing results.
 12.30 p.m.—G.P.O. clock and chimes.
 12.31 p.m.—Musical programme from the Studio.
 12.40 p.m.—Sporting information ("Sun").
 12.45 p.m.—Musical programme from the Studio.

1 p.m.—Florimont lecture recital by Arnold Moore, broadcast from the Fine Art Gallery, Anthony Horderns.
 1.40 p.m.—Musical programmes from the Studio.

1.50 p.m.—Sydney Stock Exchange calls.

1.53 p.m.—News from the "Sun."

2 p.m.—G.P.O. clock and chimes.

Racing information broadcast immediately after each race by courtesy of the "Sun."

2.15 p.m.—Talk to children and special entertainment for children in hospital.

2.30 p.m.—News from the "Sun."

2.30 p.m.—G.P.O. clock and chimes.

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

2.41 p.m.—News from the "Sun."

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

3 p.m.—G.P.O. clock and chimes.

3.15 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.

3.45 p.m.—Illustrated "The Great Composers," illustrated on Stravinsky.

3.50 p.m.—News from the "Sun."

4 p.m.—G.P.O. clock and chimes.

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

4.15 p.m.—Serial story.

4.30 p.m.—G.P.O. clock and chimes.

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

4.41 p.m.—News from the "Sun."

4.50 p.m.—Racing results.

4.55 p.m.—"Australia Distributing Society's fruit and vegetable market report."

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

4.55 p.m.—Announcements.

4.55 p.m.—Special ocean forecast.

5 p.m.—G.P.O. clock and chimes.

Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. clock and chimes.

5.45 p.m.—Daddy Longleg will entertain the kiddies.

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

SPECIAL COUNTRY SESSION.

7 p.m.—G.P.O. clock and chimes.

7.10 p.m.—Mercurialis, Land and Finance Co.'s report.

Weather report and forecast by courtesy of Government Meteorologist.

Producers' Distributing Society's fruit and vegetable market report.

Stock Exchange reports.

Grain and fodder report ("Sun").

Dairy produce report ("Sun").

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

7.30 p.m.—Talk by a member of the St. John Ambulance Brigade.

8 p.m.—G.P.O. clock and chimes.

Broadcasters' Topical Chorus.

8.30 p.m.—Miss Berry Scott, soprab.

8.30 p.m.—Mr. Dudley Helmrich, baritone.

8.37 p.m.—Broadcasters' all-sports expert will talk on "Boxing."

8.42 p.m.—Mr. Haagen Holenbergh, piano solo.

8.52 p.m.—Mr. Ronnie Reade, the radio jester.

9 p.m.—G.P.O. clock and chimes.

Resume of following day's programmes.

Weather report and forecast by courtesy of

Mr. C. J. Marcs, Government Meteorologist.

9.55 p.m.—Mr. Sydney Hollister, comedian.

9.55 p.m.—Miss Grace Saville, contralto.

9.29 p.m.—Mr. Dudley Helmrich.

9.27 p.m.—Mr. Haagen Holenbergh.

9.37 p.m.—Miss Berry Scott.

9.44 p.m.—Mr. Ronnie Reade.

9.51 p.m.—Broadcasters' Trio.

10.1 p.m.—Miss Grace Saville.

10.5 p.m.—Mr. Sydney Hollister.

10.15 p.m.—Cec. Morrison and his Goomchangers broadcast for the ballroom of the Bondi Casino. During intervals between dances, news reports by courtesy of the "Sun" will be broadcast.

11 p.m.—G.P.O. clock and chimes.

National Anthem.

2GB, SYDNEY

Wednesday.

MORNING SESSION.

9 a.m.—Music.

9.15 a.m.—"Cheerio" Talk.

9.25 a.m.—Psychological Class.

9.40 a.m.—Music.

9.45 a.m.—Health and Diet.

10 a.m.—Close down.

AFTERNOON SESSION.

1.30 p.m.—Music.

1.45 p.m.—Talk.

1.55 p.m.—Music.

4.37 p.m.—Talk.

4.42 p.m.—Music.

4.50 p.m.—Close down.

EVENING SESSION.

6.30 p.m.—CHILDREN'S SESSION.

7 p.m.—Music.

7.15 p.m.—Address by Mr. Harold Morison.

7.15 p.m.—Benediction of the Holy Sacrament.

7.40 p.m.—Talk.

7.55 p.m.—Song by MISS EVA GASIMI:

1. "The Nightingale of Lincoln's Inn" (Oliver).

2. "The Silver Ring" (Chamizade).

8.45 p.m.—Address by Mr. J. K. Powell.

8.20 p.m.—Songs by MISS ETHEL JONES:

1. "The Night Nursery" (Arundale).

2. "The Smoking Room" (Arundale).

8.28 p.m.—Violin Solos by DAN SCULLY;

1. "The Girl with the Flaxen Hair" (De Bussey).

2. "Spanish Dance" (Granados).

8.35 p.m.—2GB Vocal Quartette:

1. "The Smile."

2. "Ring and the Fathers."

2. THEEL JONES, SIYBAL BEVAN, THOS. MALL, CLEMENT HOSKING.

8.45 p.m.—Piano Solos by ADA BROOK:

"Caprice Brillant" (Mendelssohn).

8.55 p.m.—Announcements.

9 p.m.—Poem by Mr. Walter Hunt.

9.15 p.m.—Sonata for two Violins and Piano by Handel:

MONICA SCULLY, MONICA HORDER, ADA BROOK.

9.28 p.m.—Song by CLEMENT HOSKING:

1. "People Saluting the Colors" (Wood).

2. "The Yeomen of England" (German).

9.35 p.m.—Violin Solos by MONICA HORDER:

1. "Minuet."

2. "Romance."

9.45 p.m.—2GB Vocal Quartette:

1. "Loch Lomond."

2. "Winter Nights."

3. "To Banks and Braes."

9.53 p.m.—Talk.

10 p.m.—Close down.

3LO, MELBOURNE.

Wednesday.

MIDDAY SESSION.

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

"Arcus" and "Herald" News Services.

12.30 p.m.—D'ARCY TRIO:

ROSA D'ARCY,

"Carmena" (Wilson).

Trio, "Medley."

Sydney Listens-In to Queen of Holland !

Queen Wilhelmina and Princess Juliana, her daughter, spoke by radio across the world on June 2, and the messages were caught and re-broadcast by Station 2BL, Sydney, using Burgess Radio Batteries.



Mr. Ray Alleop (left) of 2BL, listening-in early on June 2 to PCJJ, Holland. On the right is Mr. Eric Dare, technical expert of Philips Radio, Sydney, which operates the PCJJ Station. The Burgess Batteries are shown in the centre. (Sun Photo)

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S.B.

- E. McCARTHY, "Spanish Dance No. 1," Violin Solo (Mousakoski).
- Trio, "Kentucky Lullaby" (Miller and Conn).
- 12.32 p.m.—STUDIO ORCHESTRA: "Masanella" (Auber).
- 12.40 p.m.—Stock Exchange Information.
- 12.48 p.m.—MYRTLE ROBERTSON, Violin, "Cavalleria" (Mascagni).
- 12.56 p.m.—STUDIO ORCHESTRA: "Manon" (Massenet).
- 1.00 p.m.—MADAME LAMBERT, Soprano: "Cavalleria" (Mascagni).
- "I Love the Moon" (Rubens).
- 1.7 p.m.—Meteorological Information: Shipping Intelligence; older Stories for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Reports.
- 1.12 p.m.—RUSSELL CALLOW, Tenor: "In the Garden of To-morrow" (Byron).
- "A Little Fairyland" (Morris).
- 1.19 p.m.—STUDIO ORCHESTRA: "Music Box" (German).
- 2.00 p.m.—CARLTON CHASE: "A Girl Men Forget."
- "When My Sweet Walks."
- 1.30 p.m.—AGNES FORTUNE, Piano: "Sea Pictures" (Mendelssohn).
- 1.45 p.m.—MADAME LAMBERT, Soprano: "Mairi's Wedding" (Macmillan).
- "Air du Salut" (Massenet).
- MASSENET—Jules Massenet was one of the best known of modern French composers. He was born in Montauban, near St. Etienne, in 1842, and numbered among his early successes *Le Cid*, *Thais*, *Manon*. He composed especially for the lyric stage, the orchestra, the voice, and the piano. One of his most popular operas is *Manon*.
- 1.52 p.m.—STUDIO ORCHESTRA: "Serenade" (Reichenbach).
- 2.00 p.m.—Description of Clayton Hurdle, 3½ furlongs, Melbourne Hunt Club, Sandown Park, described by "Musket" of the "Sporting Globe."
- 2.56 p.m.—Close Down.
- 2.30 p.m.—Description of Corinthian Handicap, 1½ miles, Melbourne Hunt Club, Sandown Park, described by "Musket" of the "Sporting Globe."
- 2.56 p.m.—Close Down.
- AFTERNOON SESSION.**
- GOOD CHEER.
- 3.00 p.m.—Description of Tally-Ho Handicap, 3½ furlongs, Melbourne Hunt Club, at Sandown Park, described by "Musket" of the "Sporting Globe."
- 3.45 p.m.—STUDIO ORCHESTRA: "Songs Without Words" (Wagner).
- 3.50 p.m.—MADOLINE KNIGHT, Contralto: "Waita-Poi" (Hill).
- "The Far Away Bell" (Gordon).
- 3.57 p.m.—MYRTLE ROBERTSON, Violin Ensemble: "Sonata in G major" (Mozart).
- 3.59 p.m.—Description of Melbourne Hunt Club Steeple, 2 miles 8 chains, Melbourne Hunt Club at Sandown Park, by "Musket" of the "Sporting Globe."
- 3.59 p.m.—STUDIO ORCHESTRA: "In Sunlight" (Gershwin).
- 3.59 p.m.—D'ARCY TRIO: Trio, "In a Little Spanish Town" (Wayne), Violin Solo, "Pale Moon" (Logan), Rosa D'Arcy, "Softly Awakes My Heart" (Saint-Saens).
- Trio, "Medley."
- 3.59 p.m.—STUDIO ORCHESTRA: "Guy's Surprise" (Neil).
- 4.38 p.m.—JOE BRENNAN AND IDA NEWTON: "I Want to Sing in Opera" ("Viola"), Ida Newton, "You Must Know Where to Stop."
- 4.40 p.m.—Description of Oakleigh Weller Plate, 7 furlongs, Melbourne Hunt Club, at Sandown Park, by "Musket" of the "Sporting Globe."
- 4.45 p.m.—HARRY NORTH, Concertina: "Old-Time Songs."
- 4.50 p.m.—STUDIO ORCHESTRA: "Quintette Moderne" (Severini).
- "Lullaby" (Kjerulf).
- 4.50 p.m.—RUSSELL CALLOW, Tenor: "Eleanore" (Colodio-Taylor).
- "Your Eyes Have Told Me" (O'Hara).
- 4.57 p.m.—HARRY NORTH, Concertina: "Marches."
- 4.40 p.m.—Description of Oakleigh Plate, 7 furlongs, Melbourne Hunt Club at Sandown Park, by "Musket," of the "Sporting Globe."
- 4.45 p.m.—"Herald," News Service; Stock Exchange Information.
- 4.47 p.m.—Close Down.
- Evening Session.**
- 5.39 p.m.—Answers to Letters and Birthday Greetings.
- 5.45 p.m.—MADOLINE KNIGHT, Contralto: "Piple Piper Man," "Tinker and Babey."
- 5.47 p.m.—MARY, MARY, QUITE CONTRARY: "The Fairy in the Sewing Machine."
- 6.15 p.m.—MADOLINE KNIGHT, Contralto: "Piccaninny's Land of Dreams," "Piccaninny's Lullaby."
- 6.15 p.m.—CAPTAIN DONALD MACLEAN, The Australian Tennis Team, Blackbird.
- 6.20 p.m.—Official Report of Newmarket Stock Sales, Bullocks and Calves.
- 6.26 p.m.—"Argus" and "Herald," News services, Weather and Aerial Mail information by the Australian Aerial Services, Ltd.
- 6.47 p.m.—Stock Exchange Information, Overseas Shipping.
- 6.52 p.m.—Fish Market reports by J. R. Borrelli, Ltd., Fish and prices.
- 6.55 p.m.—Market reports by the Victorian Producers Co-operative Co. Ltd., Newmarket Sheepskins, Poultry, Grain, Straw, Hay, Jute, Chaff, Dairy Produce, Potatoes and Onions.
- Fruit Market reports by the Wholesale Fruitgrowers' Association, compiled by "The Fruit World," exclusive to ABC.
- NIGHT SESSION.**
- 7.15 p.m.—Under the auspices of the Department of Agriculture, MR. R. CROWE, Expert Superintendent, will speak on "Marketing Methods."
- 7.30 p.m.—GARGOYLE'S "How to Drive"—Sense Talk on Motor Car Operations, with Special Reference to the Lady Driver.
- 7.45 p.m.—CAPTAIN PETERS: "Books, Wise and Otherwise."
- 7.50 p.m.—WE HEAR THE ECHOES FLAP AND BUFFET ROUND THE HILLS FROM BLUFF TO BLUFF."
- 8.00 p.m.—RICHMOND CITY BAND: "The Last Post" (Garrison).
- 8.10 p.m.—MADAME LAMBERT, Soprano: "Four Berrettes" (Wekerlin).
- "Ouvre tes plis bleus" (Massenet).
- 8.17 p.m.—RICHMOND CITY BAND: Comic March, "Mr. Thomas Cat" (Donglass) Valse, "Monastery Bells."
- 8.27 p.m.—MELBOURNE CHORAL UNION, conducted by Mr. W. James: "Song of the Hills" (Garrison), "Liberty"—Solo and Chorus (Fanning).
- 8.34 p.m.—EDOUARD LAMBERT, Violin: "Rondo Capriccioso" (Salut Serra).
- "Aria" (Bach).
- 8.44 p.m.—ALAN MITCHELL, Tenor: "Ah Fugis Dans Images"—Manon (Toccati).
- 8.50 p.m.—ONE-ACT PLAY—A STORY OF WATERLOO, by C. M. Doyle—Chat.
- Corporal Brewster, aged 39. Maurice Dudley Sergeant McDonald, R.A.; Alfred Andrew Connell James Midwinter, Scotch Guards; E. Mason Wood Norah Brewster, the Corporal's Grand Niece Mrs. M. Dudley Secon Mrs. Brewster's Cottage, Near the Barracks.
- 9.10 p.m.—Announcements, and ROYAL AUTOMOBILE CLUB OF VICTORIA'S MESSAGE FOR TO-DAY IN FOR MOTORISTS:—
- "Always remember that electric trams can pull up more quickly than most cars; do not drive too close behind them."
- 9.15 p.m.—MADAME LAMBERT, Soprano: "Song of the Hills" (Garrison).
- 9.22 p.m.—RICHMOND CITY BAND.
- 9.32 p.m.—ALAN MITCHELL, Tenor: "Drinking Song" (Sullivan).
- "An English Rose" (German).
- 9.40 p.m.—EDOUARD LAMBERT, Violin: "Largo" (Handel).
- "Zigeunerweisen" (Sarasate).
- 9.47 p.m.—Meteorological information.
- 9.52 p.m.—RICHMOND CITY BAND: Novelty, "The Whistler and His Dog" (Clark).
- For Trot, "Meadow Lark."
- 10.15 p.m.—CARLTON CHASE: "Old Gaol of Mine."
- "Alibi."
- 10.30 p.m.—HARRY NORTH, Concertina: "Solo Mo."
- 10.45 p.m.—JOE BRENNAN and IDA NEWTON: "Actor Man."
- Joe Brennan and Ida Newton: "Burlesque."
- 10.55 p.m.—RICHMOND CITY BAND: "Ninety-Nine" (Indian Melody).
- 10.55 p.m.—D'ARCY TRIO: ROSA D'ARCY: "Manana's Gone Wrong" (Weston), E. McCARTHY, Violin Solo; "Chant—Nogar Spiritual" (White).
- 10.55 p.m.—ABC: "One Fine Day" (Faccini).
- 10.55 p.m.—British Official Wireless news service, British news.
- 10.55 p.m.—RICHMOND CITY BAND: March, "Aide-de-Camp" (Hamel).
- 11.00 p.m.—OUR GREAT THOUGHT: "The man whose mind, in virtue, becomes some private good instead With undivided aim.
- Seeme beholds the angry crowd, Not can those clamorous hours and loud His stubborn heart—...—Barrett.
- 11.15 p.m.—JOE BRENNAN AND HIS SYN-COPATING STEPHONISTS: "La Little Garden" (Yule), "Mary Lou" (Lyrics), "No Foolin'" (Owens), "Indian Love Call" (Friml), "Rose Marie" (Prinz).
- "Gimme a Little Kiss Will You, Huh?" (A. Lee Tandy, Lady) (Bellard).
- "Princess Betty's Lullaby" (Shenham), "Silvana," Piano Solo (Eggy).
- "Fire, Fire, Fire! Turn the Rose on Me!" (Gay).
- "Katinka" (Tchaik.).
- "Nonchalance Nights" (Zamecnick).
- "Precious" (Whiting).
- "It Didn't Oidde" (Cesn).
- "Calling Me Home" (Gilbert).
- 11.45 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Wednesday.

MORNING SESSION.

- 11.0 a.m.—Selections from the Brunswick Parade.
- 11.30 a.m.—British Official Wireless Press Release from Hugh Sirer Wireless Station, England; Express Train Information; "ABC" News Bulletin, exclusive to 3AR.

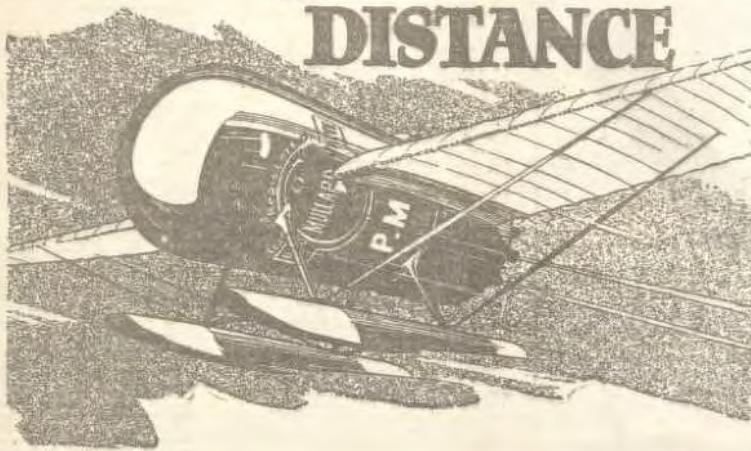
MIDDAY SESSION.

- 12.00 noon—Time Signal Chime from G.P.O.; Studio Barometer and Outdoor Thermometer Readings; 1st Weather Forecast; Events of the Day.
- 12.30 p.m.—Musical Selections from the Studio, 12.45 p.m.—Stock Exchange News; Market Reports.
- 12.45 p.m.—Musical Selections from the Studio.
- 12.55 p.m.—Shipping and Mail Notices.
- 1.00 p.m.—Close Down.

MATINEE SESSION.

- "DANCE CONCERT."
- SPORT RESULTS: Melbourne Hunt Club races at Mooney Valley. Each race will be described as it is being run by our Turf Reporter, Mr. Bill Motz, from Mooney Valley Racecourse.
- 2.30 p.m.—Hurdle Race, 3 miles.
- 2.45 p.m.—Lindhurst Corinthian Handicap, 7½ miles.
- 2.45 p.m.—Sonic Orchestra, Director, Mr. Ronald Breslary.
- 2.45 p.m.—Mr. Ernest Peltier, Saxophone, "Saxaphobia" (Wedderby).

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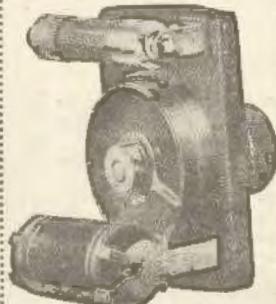
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bourne.

2.51 p.m.—Ayars Banjomanie. Direction, Mr. Roy Chappell.
3.0 p.m.—Tally Ho Handican, 5½ furlongs.
3.15 p.m.—Miss Ethel Brearley, Piano, Vida Suite, No. 1 (Coleridge-Taylor).
3.30 p.m.—Studio Orchestra.
"Tchaikovsky Fantasia" (Ernest Urbach).
"The Turkish Patrol" (Michelini), by request.
3.45 p.m.—Mr. Fred Champion, Entertainer, "The Few Men Minutes".

3.50 p.m.—Melbourne Hunt Club Steeple, 7 miles 8 chains.

3.52 p.m.—Studio Orchestra.

"Fantasia on Bulgarian Popular Melodies" (Weingartner).

3.55 p.m.—Mr. Herbert Pettifer, Violin.

3.58 p.m.—Curtain Call.

3.45 p.m.—Ayars Banjomanie.

4.0 p.m.—G.P.O. Clock says "Four".

4.0 p.m.—Dingley Maiden Plate, 8 furlongs.

4.1 p.m.—Second Weather Forecast.

4.15 p.m.—Studio Orchestra.

4.20 p.m.—Mr. Fred Champion, Entertainer.

4.25 p.m.—more humorous moments.

4.30 p.m.—Unknown Welser Handican, 7 furlongs.

4.35 p.m.—Ayars Banjomanie.

4.40 p.m.—Studio Orchestra.

4.45 p.m.—To-night's Amusement Guide.

5.0 p.m.—G.P.O. Clock says "Five"; Close Down.

CHILDREN'S SESSION

5.00 p.m.—"The Farmyard Five," Transmitted from Koekaburra Gully, the S.A.R. country station.

EVENING SESSION

7.50 p.m.—"Australian Football," Mr. Clarke Letham, of the Hawthorn Football Club.

7.55 p.m.—MacNamee's Market Reports, Mr. MacNamee.

8.00 p.m.—G.P.O. Clock says "Eight."

8.1 p.m.—Mr. Walter Quirk, Solo Pianist, March, "Davidstheath" (Schumann).

8.5 p.m.—Mr. Will Davies, Baritone.

"Song of Hybris" the Greek (Eliot).

8.45 p.m.—Mr. George Grunder, Cellist, Welsh Air.

8.50 p.m.—Mr. George Grunder, Cellist, Welsh Air.

8.55 p.m.—Mr. W. J. Caffrey, "The Emerald Islander," Good old yarns from good old Erin in the musical sketch, "Tipperary Christening" (D. McGuiness).

8.27 p.m.—Miss Sylvia Macpherson, Mezzo-Soprano.

"Green Green Bennetts" (D'Hardcastle).

"A String of Pearls" (Phillips).

8.34 p.m.—Mr. Harry Loft, Banjo.

"Sweet Jasmin" (Oakley).

"Cuckoo March" (Pepper).

8.41 p.m.—Mr. James Linn, Tenor.

"The Robe," "Nox Spiritual" (Arr. Hinchliffe).

"Informant" (McKedden).

8.48 p.m.—Miss Elyse Stewart, Soubrette.

"Take in the Sun, Hang out the Moon" (Wood).

"How Can Any Girlie be a Good Little Girlie" (Janet).

8.55 p.m.—Miss Gertrude Cartwright, Violin, "Scaramouche," No. 1 (Drake).

"Alieille" (Schubert).

8.58 p.m.—Miss Edith Orlana, Hon. Organiser of the City Newsboys Club, in one of her deeply human little tales on the joys and tribulations of the city boys.

9.05 p.m.—Mr. Will Davies, Baritone.

"Barcarolle" (Sanderson).

"Fay Awa" (Brown).

9.24 p.m.—Miss Sylvia Macpherson, Mezzo-Soprano.

"I Passed by Your Window" (Brake).

"Jewel" (Heldreppe).

9.31 p.m.—Mr. W. J. Caffrey, "Erin's Ambassador of Fun."

More Merriment and Cheery Chuckles from the land of the Shamrock, in the sketch, "Mixed Friends" (Alice Kendall).

9.35 p.m.—Miss Elyse Stewart, Soubrette.

"Drifting and Dreaming."

"My Baby's Due at Two to Two" (Van Tilzer).

9.45 p.m.—Mr. Harry Loft, Banjo.

"There Ain't No May-be" (Donaldson).

"In a Little Spanish Town" (Wayne).

9.58 p.m.—"Tomorrow's News"; "The Age" Bulletin.

10.00 p.m.—G.P.O. Clock says "Ten."

10.00 p.m.—Dance Hour, Leggett's Ballroom Orchestra (Direction, Mr. Harry Nangle).

11.00 p.m.—G.P.O. Clock says "Eleven"; THE KING.

4QG, BRISBANE.

Wednesday.

EARLY MORNING SESSION.

6.00 a.m.—Physical Culture Session.

7.0 a.m.—Close Down.

MIDDAY SESSION.

1.0 p.m.—Reports; Weather Information; "The Daily Mail" and "The Daily Standard" News.

2.00 p.m.—From the G.P.O.: Lunch Hour Music played by the Postal Institute Orchestra.

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

2.30 p.m.—Close Down.

AFTERNOON SESSION.

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

4.15 p.m.—From the Studio: "Telegraph" News.

4.30 p.m.—Close Down.

EARLY EVENING SESSION.

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

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

7.00 p.m.—Market Reports; Stock Reports.

7.30 p.m.—Weather News; Announcements.

7.45 p.m.—Standard Time.

7.50 p.m.—"Lectures" "Modernism in Farming"; Mr. F. R. Bosworth (Queensland Agricultural High School and College).

NIGHT SESSION.

H. POLE AND CO.'S CONCERT.

To-night's programme will comprise a concert arranged and organised by H. Pole and Co., Ltd., and relayed from their premises in Elizabeth Street, Brisbane.

8.00 p.m.—FROM H. POLE AND CO.'S PREMIERED "Light Cavalry" (Supplementary Concert Orchestra); short talk.

8.15 p.m.—"The Histriony of H. Pole and Co. Ltd." Mr. A. J. James: soprano solo; "Coming Home"; Miss Nancy Fisher: baritone solo; "Rod Deven by the Sea" (Clarke); Mr. A. V. James: contralto solo; "My Dame"; Mr. T. E. Muller: tenor solo; "Three Halibut Dancer" (Hudson); Pole's Concert Orchestra; ten minutes of fun with Mr. Richardson: soprano solo; "Juni" (Quilter); Mrs. Gurn: tenor solo; "The Little Irish Girl" (Lohr); Mr. Hamish Craigie: clarinet solo; selected Mr. D. Williamson: double bass solo; Mr. McLean: Mr. Niall Fisher and Mrs. Gurn: monologue; "The Sentimental Bloke" (Bennett); Mr. T. W. Muller: violin solo; selected Miss H. Bennett.

8.30 p.m.—Metropolitan Weather Forecast; Orchestral descriptive "Milk in the Forest" (Elliott); Pole's Concert Orchestra; male singer "What is the Weather?" (Seaman); Mrs. Muller: "H. Pole's Cavalier"; clarinet solo; selected Mr. I. Steele: monologue; "His First Long Trouser"; Miss Nancy Fisher: tenor solo; "I Hear You Calling Me" (Mac-hall); Mr. Hamish Craigie: baritone solo; "Silent Noon" (Williamson); Mr. A. J. James: selection; "Land of Llanfair" (Dowd); Pole's Concert Orchestra; soprano solo; "Lament of Isle" (Bentock); Mrs. Gurn: ten minutes of fun with Mr. Richardson: soprano solo; selected Mr. J. Seale: contralto solo; "The Garden of Sleep" (de Lava); Miss E. Plekarevic: march; "Stars and Stripes" (Sousa).

8.45 p.m.—A mixture of an hour's community singing of old time songs.

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

5CL, ADELAIDE.

Wednesday.

MORNING SESSION.

12 noon—G.P.O. chimes.

12.1 p.m.—Recitals on the "New Reproducing Soprano" and the "Autotone Reproducer."

12.30 p.m.—"Advertiser" news service.

11.45 a.m.—Market reports.

1 p.m.—G.P.O. chimes.

11 p.m.—Musical programme continued.
2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

2 p.m.—G.P.O. chimes.

2.15 p.m.—Relay from the Maple Leaf Cafe—
Orchestral selections.3.45 p.m.—From the Studio—Talk by the Rev.
G. E. Hale.

4 p.m.—G.P.O. chimes.

4.45 p.m.—Relay from the Arcadia Cafe—Or-
chestral selections.

4.45 p.m.—Station announcements.

5 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

6 p.m.—G.P.O. chimes.

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

6.45 p.m.—Bedtime stories.

7.35 p.m.—Market report.

7.45 p.m.—Song—Miss Conner.

7.55 p.m.—Faulding's scientific talk.

8 p.m.—G.P.O. chimes.

8.1 p.m.—Song, Miss Ellen Elford.

8.4 p.m.—Recitation, Mr. Stephen Dunks.

8.45 p.m.—Allan's Mouth Organ Quartette.

8.45 p.m.—Song, Miss Lynne Gilbert.

8.52 p.m.—Song, Mr. Harry Williams.

8.52 p.m.—Tenor solo, Mr. B. L. McInnes.

8.54 p.m.—One-act comedy, Miss Pauline

Abrahams and Mr. Stephen Dunks.

8.54 p.m.—Mrs. A. C. Williams' Mandolin

Band.

8.45 p.m.—Song, Miss Ellen Elford.

8.45 p.m.—Pianoforte solo, Mr. Lawrence

Matthews.

8.45 p.m.—Recitation, Miss Pauline Abrahams.

8.52 p.m.—Song, Miss Lynne Gilbert.

8.55 p.m.—G.P.O. chimes.

9.1 p.m.—Weather report.

9.3 p.m.—Dulcypet's wheat report.

9.4 p.m.—Travel talk.

9.45 p.m.—Song, Mr. B. L. McInnes.

9.45 p.m.—Allan's Mouth Organ Quartette.

9.45 p.m.—Recitation, Mr. Steve Dunks.

9.52 p.m.—Song, Mrs. A. C. Williams' Mandolin

Band.

9.45 p.m.—Song, Miss Ellen Elford.

9.45 p.m.—Violin solo, Mr. Hartley Williams.

9.45 p.m.—Recitation, Miss Pauline Abrahams.

9.52 p.m.—Song, Miss Lynne Gilbert.

10 p.m.—G.P.O. chimes.

10.1 p.m.—"Advertiser" news service.

10.45 p.m.—Allan's Mouth Organ Quartette.

10.45 p.m.—Song, Miss Ellen Elford.

10.45 p.m.—Song, Mr. Hartley Williams.

10.45 p.m.—Song, Mr. B. L. McInnes.

10.45 p.m.—Song, Mrs. A. C. Williams' Mandolin

Band.

10.45 p.m.—Recitation, Miss Pauline Abrahams.

10.47 p.m.—Mrs. A. C. Williams' Mandolin

Band.

11 p.m.—G.P.O. chimes and close down.

6WF, PERTH.

Wednesday.

12.30 p.m.—Time in.

12.35 p.m.—First Local News Bulletin. Mar-
ket Reports. Cables.

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

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

A RELAY.

1.2 p.m.—Lunch-hour relay arranged by

Mars, Marsupia Limited, relayed from

Lyceum House, Murray Street.

1.30 p.m.—STUDIO QUARTETTE.

2 p.m.—Close down.

3.30 p.m.—Time in.

3.35 p.m.—Musical programme, including

orchestral selections by MISS EVELYN

WILLIS, A.R.C.M.

4 p.m.—STUDIO INSTRUMENTAL TRIO:

4.45 p.m.—Close down.

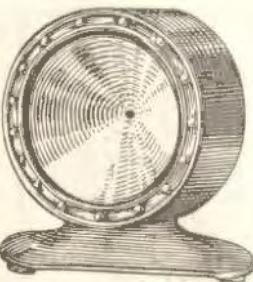
4.45 p.m.—Time in.

5 p.m.—Children's Playlets, "All Babes,
and the Party Thieves," by Uncle Duffy,
with Annie Marion and Evelyn and
Uncle Harry, Leslie Duffy and Perry.

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*Artistic, non-resonant
metal finish. Standard
cord and plug.*

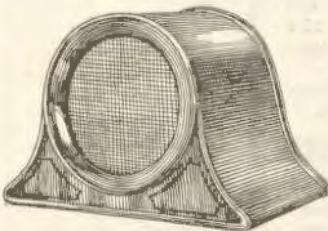
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Model

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any finish in two
tones. Standard
cord and plug.*

*David Jones'**Price:***£ 5/10/-**

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- 7.20 p.m.—Stock and Share intelligence. Market reports. Cables, News by courtesy of "The West Australian" Newspaper Co.
7.45 p.m.—Talks on "The Coming," by MR. F. LAWNDON WHITLOCK.
8 p.m.—Time Signal from Perth Observatory.
8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
8.2 p.m.—VARIETY NIGHT.
Items by the STUDIO STRING TRIO:
Miss Evelyn Willis, A.R.C.M. Piano.
Mr. H. G. Beaman, Cello.
Mr. J. E. Ward, Violin.
Various Assisting Artists.
10 p.m.—Late news items by courtesy of "The Daily News" Newspaper Co. Shine within range announcement. Weather report and Forecast.
10.30 p.m.—Close down.

Thursday, June 23

2FC, SYDNEY.

- EARLY MORNING SESSION.
7 a.m.—"Big Ben" and programme announcements.
7.5 a.m.—Studio music.
7.15 a.m.—Country Session: Official weather forecast, rainfall, temperatures, astronomical memorandum, shipping intelligence, mail services.
7.25 a.m.—Investment market, mining share market, metal quotations.
7.35 a.m.—Wool sales, breakfast markets, Interstate markets, produce markets.
7.40 a.m.—"Sydney Morning Herald" summary.
8 a.m.—"Big Ben." Close down.
MORNING SESSION.
10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Studio music.
10.15 a.m.—"Sydney Morning Herald" news service.
10.30 a.m.—Studio music.
10.35 a.m.—The Racing Commissioner's last minute sporting information.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben."
Marching music for school children.
11.15 a.m.—A.P.A. and Reuters' cables.
11.15 a.m.—Marching music for school children.
11.20 a.m.—A Reading.
11.30 a.m.—Close down.
MIDDAY SESSION.
12 noon.—"Big Ben" and programme announcements.
12.30 p.m.—Stock Exchange, first call.
12.35 p.m.—Official weather forecast, rainfall, temperatures, astronomical memorandum, shipping intelligence, mail services.
12.5 p.m.—Studio music.
12.55 p.m.—Summary of "Sydney Morning Herald" news service and cables.
12.58 p.m.—Rugby wireless news.
12.59 p.m.—Studio music.
12.59 p.m.—Marching music for school children.
12.40 p.m.—Miss Irene Duncan, dramatic soprano.
12.45 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.15 p.m.—"Evening News" midday news service.
Producers' Distributing Society's Report.
1.20 p.m.—Studio music.
1.25 p.m.—Stock Exchange, second call.
1.30 p.m.—Marching music for school children.
1.40 p.m.—Miss Irene Duncan, dramatic soprano.
1.45 p.m.—Studio music.
1.50 p.m.—Last minute racing information by the 2FC Racing Commissioner.
1.55 p.m.—Close down.
AFTERNOON SESSION.
2 p.m.—"Big Ben" and announcements.
2.5 p.m.—A Recital arranged by Messrs. Charles and Norbet Wentzel.
- 3.30 p.m.—Marching music for school children.
3.45 p.m.—FROM FARMER'S TEA ROOMS:
Miss Muriel Humphries, contralto:
"Dearest, I love the Morning" (Wood).
3.45 p.m.—Further Items from the Recital by Messrs. Charles and Norbet Wentzel.
4 p.m.—"Big Ben."
FROM FARMER'S TEA ROOMS:
Miss Persia Rutter, soprano:
"Because of You" (Somerset).
4.45 p.m.—FROM THE STUDIO:
Mr. Frank Botham, baritone:
"Mine" (Elgar).
4.50 p.m.—Miss Eva Webb-Jones, soprano:
"I Love the Moon" (Habene).
4.55 p.m.—Studio music.
4.59 p.m.—FROM FARMER'S TEA ROOMS:
Miss Muriel Humphries, contralto:
"All for You" (Brown).
4.59 p.m.—FROM THE STUDIO:
Mr. Frank Botham, baritone:
"Mine" (Elgar).
4.59 p.m.—Miss Eva Webb-Jones, soprano:
"I Love the Moon" (Habene).
4.55 p.m.—Studio music.
4.59 p.m.—FROM FARMER'S TEA ROOMS:
Miss Persia Rutter, soprano:
"While you're away" (Carey).
5.45 p.m.—Stock Exchange, third call.
4.45 p.m.—Studio music.
5.45 p.m.—"Big Ben." Close down.
EARLY EVENING SESSION.
5.45 p.m.—The Chimes of 2FC.
6.00 p.m.—The "Hello Man" talks to the listeners.
6.30 p.m.—A Serial Story.
6.45 p.m.—Guitar music.
7 p.m.—"Big Ben." Late sporting news.
7.10 p.m.—Dalgety's market reports (wool, wheat and stock).
7.15 p.m.—Fruit and vegetable markets.
7.20 p.m.—Weather and shipping intelligence. Stock Exchange.
7.25 p.m.—Late "Evening News" news service.
NIGHT SESSION.
7.45 p.m.—Programme announcements.
7.45 p.m.—A talk by the Technical Editor of "Wireless Weekly".
8 p.m.—"Big Ben."
FROM THE LYCEUM THEATRE, PITTS STREET, SYDNEY:
Items by the Orchestra.
8.10 p.m.—FROM THE STUDIO:
Mr. Alfred Cunningham, baritone:
"When the Eyes Eye" (Lam. en).
8.14 p.m.—The Bondi Beach Concert Band, conducted by Mr. G. Bignell.
Music, "Conqueror" (Humm.).
8.20 p.m.—The Bondi Beach Concert Band, conducted by Mr. G. Bignell.
"Oh! that we were May" (Newlin).
8.24 p.m.—The Bondi Beach Concert Band: Overture, "Raymond" (Thomas).
8.38 p.m.—An attempt to relay Station W.L.W., Cincinnati, Ohio, broadcasting a special Australian programme.
8.50 p.m.—The Bondi Beach Concert Band: Waltz, "Thought" (Alford).
8.55 p.m.—The Bondi Beach Concert Band, conducted by Mr. G. Bignell.
"The Sun's Bright Beam" (Lawson).
9.2 p.m.—Mr. Scott Alexander will present a comic strip, specially written for broadcast by Codrington Hall, entitled: "WHEN MR. BLUE MADE A BLOOMER!"
9.17 p.m.—The Bondi Beach Concert Band: Selection, "The Girl on the Film" (Kollo).
9.52 p.m.—Miss Eileen Boyd, contralto:
"Two Little Birds" (Parkyn).
9.55 p.m.—The Bondi Beach Concert Band, conducted by Mr. G. Bignell.
Duet, "A Night in Venice" (Puccini).
9.49 p.m.—Mr. Alfred Cunningham, bassitone:
"There was a Bonny Lass" (Park).
9.44 p.m.—The Bondi Beach Concert Band: Fantasia, "A Military Church Parade" (Hume).
9.52 p.m.—Miss Eileen Boyd, contralto:
"I'm a Fall" (Sullivan).
9.55 p.m.—The Bondi Beach Concert Band: March, "Anglo Oriental" (Humm.).
10.10 p.m.—A further relay from Station W.L.W., Cincinnati, Ohio.
10.15 p.m.—FROM THE LYCEUM THEATRE, PITTS STREET, SYDNEY:
Orchestra items.

Friday, 17th June, 1927.

WIRELESS WEEKLY

Page Fifty-Three

- 10.30 p.m.—**FROM THE STUDIO:**
Mr. Alfred Cunningham, baritone.
"The Caution Lover" (Grahan).
10.30 p.m.—**FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY:**
The new Wentworth Symphonic Dance Orchestra, under the baton of Mr. Frederick
Carruthers.
10.30 p.m.—**FROM THE STUDIO:**
Miss Eileen Boyd, contralto;
"Hayona" (Elliot).
10.45 p.m.—**FROM THE WENTWORTH CAFE:**
The new Wentworth Symphonic Dance Orchestra, in popular numbers.
11 p.m.—"Big Ben."
Latest news and announcements.
11.15 p.m.—The Wentworth Symphonic Dance Orchestra will play until 11.15.
11.15 p.m.—National Anthem.
Close down.
- NOTE: Opportunities during the evening will be taken of relaying, if successful, all the reception from Station WLW, Cincinnati, Ohio.

2BL, SYDNEY

Thursday.

- 11 a.m.—G.P.O. clock and chimes.
11.15 a.m.—Musical programme from the studio
11.15 a.m.—News from the "Sun."
11.20 a.m.—Special Notes. Beams in progress
due to Mrs. Jordan. Talk on "Making
the most of it" by Mrs. Jordan.
12 noon—G.P.O. clock and chimes.
12.15 p.m.—Special Ocean Forecast and weather
report.
12.30 p.m.—Musical programme from the studio
12.45 p.m.—Information—Mails and Shipping
and movements of important ships.
12.55 p.m.—Sydney Stock Exchange Calls.
12.55 p.m.—Boats in call by wireless.
12.55 p.m.—Sydney Markets Report.
12.55 p.m.—Vegetable Market Report.
12.55 p.m.—London Metal Market Report.
12.55 p.m.—Dairy and Farm Produce Market
Report.
12.55 p.m.—Racing Results.
12.55 p.m.—G.P.O. Clock and chimes.
12.55 p.m.—Medical programme from the
studio.
12.49 p.m.—Sporting Information (Sun).
12.45 p.m.—Hilliers' Instrumental Quartet—
including "The Castle" and "Casting."
12.55 p.m.—G.P.O. Clock and chimes.
1.15 p.m.—News from the "Sun."
1.45 p.m.—Musical programme from the studio
1.55 p.m.—Sydney Stock Exchange Calls.
1.55 p.m.—Boats in call by the "Sun."
2 p.m.—G.P.O. Clock and chimes.
Racing Information broadcast immediately
after each race by courtesy of the "Sun."
2.15 p.m.—Talk to children and special enter-
tainments for children in hospital.
2.30 p.m.—"The Castle" and "Casting."
2.45 p.m.—G.P.O. clock and chimes.
2.45 p.m.—Musical programme from the studio
2.55 p.m.—News from the "Sun."
2.55 p.m.—Medical programme from the studio
3 p.m.—G.P.O. Clock and chimes.
3.15 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.
3.45 p.m.—News from the "Sun."
3.45 p.m.—Medical programme from the studio
3.55 p.m.—Country Women's Section.
4 p.m.—G.P.O. Clock and chimes.
4.15 p.m.—Ministerial programme from the studio
4.30 p.m.—G.P.O. Clock and chimes.
4.45 p.m.—Musical programme from studio.
4.55 p.m.—News from the "Sun."
4.55 p.m.—Racing Results.
5 p.m.—Indoor and Diversifying Society's
Fruit and Vegetable Market Report.
5.15 p.m.—Results of night's programmes.
5.15 p.m.—Announcements.
5.25 p.m.—Special Ocean Forecast.
5 p.m.—G.P.O. Clock and chimes. Close down.
- EARLY EVENING SESSION**
- 5.45 p.m.—G.P.O. Clock and chimes.
5.45 p.m.—Uncle George and the Kiddies.
5.45 p.m.—Musical programme from the studio

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MY FRIEND, THE QUEEN

I am a democrat—what my long-haired friend Smith calls a "down-trodden proletarian," although barring the 8.30 o'clock train, and my wife, no one treats on me—but something inside me swells out when the Queen of Holland and the Princess Juliana speak sweetly to me on the wireless!

Fancy any man listening to this—

"Although I have not yet had the pleasure of personally seeing you, I feel that there already exists a strong feeling of friendship between us."

Fortunately that message came over in Dutch, and I hid the transmission from my wife. Women are so suspicious.

The only drawback was that I could not talk back. How nice it would have been to answer in pure Australian, assure the Queen of my undying regard, and send my respectful affection to Juliana. As it is my sentiments are stifled—unless I send a postcard.

By the way, this remarkable wireless feat was due to my old pal, the Burgess Battery, which 2BL, Sydney, used in the historic transmission. Can you beat the old Burgess for being first in everything?

If someone flies over the Pole or dodes poison darts in Brazilian jungles, soothes New Guinea head-hunters with wireless or travels 1000 miles under water in a submarine, the story tickles the ears of the world from Burgess Radio Batteries. Probably the daring adventurers who court death in these amazing exploits feel safer with Burgess by reason of its well known slogan, "Half the cost because double the life!"

Now that you can buy one of these grand dry cell batteries in Australia for only 20/-, the obvious next step is over the doorway of 280 Castlereagh-street, Sydney, into the offices of New Syaran Telephones Pty., Ltd., the wholesale distributors for the Burgess.

Or you can call on any high-class radio dealer and pick up one of the familiar black and white striped batteries—just say "Burgess!"*

- SPECIAL COUNTRY SESSION,
1 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.
Prudential Distributing Society's Fruit and Vegetable Market Report.
1 p.m.—Exchange Report.
Grain and Fodder Report ("Sun").
Dairy Produce Report ("Sun").
7.15 p.m.—Country News from the "Sun".
7.30 p.m.—Talk by Mr. Herbert Marshall on "The Animal Picture".
8 p.m.—G.P.O. Clock and chimes.
Broadcasts, Topical Chorus.
8.30 p.m.—Special programme by Broadcasters' Minstrels Show broadcast from the Home for Minstrels, Hyde Park.
10.15 p.m.—Sam Morrison and his Gleecashers broadcast from the ballroom of the Bondi Casino. During intervals between dances, sundry news will be broadcast.
11 p.m.—G.P.O. Clock and chimes.
National Anthem.

3LO, MELBOURNE.

Thursday.

MIDDAY SESSION.
COMMUNITY SINGING.

- 12 noon.—Time signal, British official wireless news from Rugby, Reuter's and the Australian Press Association Cables. "Argus" and "Herald" news service.
12.15 p.m.—Under the auspices of the Theatregoers and Community Singers' Association—COMMUNITY SINGING—transmitted from the ASSEMBLY HALL, Collins Street.
1.45 p.m.—Stock Exchange Information, Weather report.

- 2 p.m.—Description of Hindle Race, 2 miles, BALLARAT MINERS' RACES, by "Musket," of the "Sporting Globe."
2.30 p.m.—Close down.
2.30 p.m.—Description of Weier Handicap, 6 furloins, BALLARAT MINERS' RACES, by "Musket," of the "Sporting Globe."
2.35 p.m.—Close down.

AFTERNOON SESSION.
AN HOUR OF MELODY.

- 3 p.m.—Description of Novelties Pugs Race, 4½ furloins, BALLARAT MINERS' RACES, by "Musket," of the "Sporting Globe."
3.5 p.m.—STUDIO ORCHESTRA: "Ballet Suite" (Gentry-Motz).
3.10 p.m.—MADOLINE KNIGHT, contralto: "A Brown Bird Singing" (Wood).
"A Perfect Day."
3.15 p.m.—WALTER SMITH, cornet: "Circus in the Air" (Levy).
3.25 p.m.—STUDIO ORCHESTRA: "Dream of Devotion" (Lanier).
3.30 p.m.—Description of Junc Handicap, 1 mile, BALLARAT MINERS' RACES, by "Musket," of the "Sporting Globe."
3.35 p.m.—MADAME LAMBERT, soprano: "Cavalierina" (Mascagni).
"I Love the Moon" (Paul Rubens).
3.45 p.m.—HARRY NORTH, concertina: "The Blue Danube" (Lipps).

- 3.50 p.m.—STUDIO ORCHESTRA: "Melodies Memorials" (Finch).
4 p.m.—Description of Novelties Handicaps, 5 furloins, BALLARAT MINERS' RACES, by "Musket," of the "Sporting Globe."
4.5 p.m.—MADOLINE KNIGHT, contralto: "Homecoming" (D. R. Regan).
4.8 p.m.—DOROTHY ROXBURGH, viola: "Chanson Villageoise" (Lalo).
"Chez Grand Maman" (Berbert).
4.16 p.m.—MISS FRANCES FRASER:
"Song of the South" (Hawkins).

- 4.30 p.m.—Description of Flying Handicaps, 5 furloins, BALLARAT MINERS' RACES, by "Musket," of the "Sporting Globe."
4.35 p.m.—"Herald" news service. Stock Exchange information. Acceptances for MOONEE VALLEY RACES, Saturday, June 24th.
4.45 p.m.—EVENSONG, transmitted from St. Paul's Cathedral.
5.30 p.m.—Close down.

EVENING SESSION.

- 5.30 p.m.—Answers to letters and birthday greetings.
5.45 p.m.—THE D'ARCY TRIO:
Rosa D'Arcy, "A Heart that is Free" (Robyn).
Myrtle Stevens, piano solo: "Als du Bal-let" (Chaminade).
Rosa D'Arcy, "Little Playmate" (Lucky Field).

- 6 p.m.—MARY GUMLEAF:
A Amy Tan Story.
6.15 p.m.—THE D'ARCY TRIO:
"Scotch Medley."
Rosa D'Arcy, "Good Morning, Brother Sun-shine" (Luis Lehmann).
6.17 p.m.—MARY GUMLEAF:
A Story for the Older Children.
6.30 p.m.—Official report of NEWMARKET STOCK SALES. Cow Sales.
6.35 p.m.—"Argus" and "Herald" news service. Weather synopsis. Shipping movements.
6.45 p.m.—Stock Exchange Information.
6.55 p.m.—Fish market reports by J. B. Barrett, Ltd., Hobart prices.
6.55 p.m.—River reports.

- 6.58 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd. Jute, dairy produce, potatoes, onions, Newmarket sheep sales, poultry, grain, hay and straw.
7 p.m.—Market reports of fruit, by the Victorian Fruiturers' Association, compiled by the "Fruit World," exclusive to 3LO.
NIGHT SESSION.

- 7.15 p.m.—MR. A. W. JACKSON: "Gold."
7.30 p.m.—MR. H. WEBE: "True Tales of Tasmania."
7.45 p.m.—MR. LOU VERNON, now appearing as Emile La Plume in "Rose Marie," at His Majesty's Theatre, will speak from his dressing-room, by permission of J. G. Williamson.

- 8 p.m.—MR. ROGERS McGREGOR, football: "The Art of Kicking."
8.15 p.m.—THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY: "FOR EVERYBODY: Avoid momentary thoughtlessness, inattention or pre-occupation. Don't obscure your vision by reading a paper or when carrying an open umbrella."

- 8.18 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
"That Night in Araby" (Snyder).
"Out of the Dust to You" (Lew).
"Pearl of Malabar" (Nichols).

- 8.25 p.m.—IDA NEWTON, in "A June in Paris" (Gibbs).
8.28 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:

- "For My Sweetheart."
"Your Heart Looked Into Mine" (Hubbel).
"It's a Wonderful World After All" (Davis).
8.30 p.m.—CARLTON CHASE: Musical Monologue, "Earthware."
8.45 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
"My Dreams of the Big Parade" (Dubin).
"Kentucky Lullaby" (Miller).
"Song of the Wanderer" (Moret).
8.53 p.m.—JOE BRENNAN: "Dame Sun."
"Dame Sun."

- 8.57 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
"My Pal, Jerry" (Rose).
"How Could Red Riding Hood?" (Randolph).

- 8.7 p.m.—HARRY NORTH, English concertina: "Turkish Patrol."

- 9.11 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
"A Message from Missouri" (Chamber).
"Kitten on the Keys" (Confrey).
"Freshie" (Greco).

- 9.21 p.m.—Announcements.
9.28 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:

- "At Peace with the World" (Berlin).
"Meadow Lark" (Pforrto).
"Talking to the Moon" (Bukvette).

- 9.35 p.m.—JOE ARONSON:
"You Mustn't" (Travers).
9.40 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
"Let's Grow Old Together" (Nelson).
"While We Danced Till Dawn" (Schauster).
"I'm Glad You're Here" (Wendahl).
9.45 p.m.—CARLTON CHASE:
Musical Mosaic, "Green Eye of the Yellow God."
9.50 p.m.—"Aussie" news service. British official wireless news.
10.00 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
"She's Easy to Satisfy" (Rosen).
"Ghosts in Back Again With His Doom, Boom, Boom."
"In the Black Bottom With Me" (Nichols).
10.10 p.m.—Metropolitan Information Report Line to the "Globe".
10.15 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
"Say That You Love Me" (Nichols).
"The More We Are Together" (Campbell).
"Swedish Fantasy" (Naumann).
10.20 p.m.—THE SETTIN':
"When I'm Gone" (Barnes).
10.30 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
"The Savvy Money of McDermott" (Bomars).
"The Animal Fair."
"Where I Love You."
10.40 p.m.—HARRY NORTH:
"First and Last" (North).
10.45 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
"We Fadlin" (Buck).
"Whisper Shh" (Barnes).
"Dinner Deemond" (Ellis).
10.50 p.m.—RUSSELL CALLOW:
"For You All Day Long" (Callow).
11.00 p.m.—OUR GREAT THOUGHT:
The great men of earth are the shadow men who, having lived and died, now live again and forever through their unending thoughts. Thus living, though their footfalls are heard no more, their voices are louder than the thunder, and unceasing as the flow of time or air.—Becker.
11.15 p.m.—JOE ARONSON AND HIS SYNCOPATING SYMPHONISTS:
"Sing Katie, but Leave the Piano Alone" (Travers).
"Where Did You Get These Eyes?" (Donaldson).
"While the Years Go Drifting By" (Kahn).
"Paradise Alley" (Archibald).
"I'm Coming Home" (Carruth).
"On Bye, Blackbird" (Brown).
"Lambeth at the Fronde" (Plunkett and Wendahl).
"We Don't Want to Get Married" (Stern).
"There Ain't No Maybe in My Babe's Eyes" (Kahn).
"Performance of the Paul" (Marsden).
"I've Never Seen a Straight Banana" (Walts).
"Way Down Home" (Blumberg).
"Zoinks" (Gunning).
"My Carmenita" (Burromo).
11.45 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Thursday

MORNING SESSION.

- 11.00 a.m.—Telegrams on the Brunswick Plaza telephone.
11.30 a.m.—British Official Wireless Press received from Rugby Super Wireless Station, England; Express "Trade Information"; "Ago" News Bulletin, exclusive to 3AR.

MIDDAY SESSION.

- 12.00 m.—Time Signal Uptime from G.P.O.; 1st Weather Forecast; Events of the Day; Studio Parameter and Outdoor Thermometer Readings.

Ever-Ready for volume

Jones and I have become very close friends. You see, it started this way: Last winter I had occasion to seek his advice concerning the poor volume of sound my set was giving.

His technical eye roved over the set, and on his advice I discarded the inferior batteries I had been using, and coupled up with two Ever-Ready "B" Batteries. Since then, I've had nine months of enjoyable radio—all due to Ever-Ready Radio Batteries.

Radio Dealers Stock All the Ever-Ready Types.

The "Standard" Dry Cell Radio Battery

Price, 3/-.

The Ever-Ready Radio "Standard" Dry Cell, as illustrated, is fitted with two screw terminals, and since its introduction has met with great success, users recognising its immense superiority over any imported cell. Size, 2 x 6. Weight, 2 lbs. Also for bells, telephones, signalling and electro-medical apparatus, &c.



"Wanda" Plug Radio Battery

This illustrates the new radio high-tension "B" Battery, which can be obtained 31, 42 or 63 volts—fitted with a Wanda plug, and 2 screw terminals.

PRICE:

Small size, type WP. 31.5 volt	9 6
Small size, type WP. 42 volt	12 6
Small size, type WP. 63 volt	18-
Large size, type XP. 31.5 volt	19-
Large size, type XP. 42 volt	21-
Extra large size, type XP. 63 volt	24-
Super Service, 42 volt	26 6

If unobtainable locally, write for address of nearest source of supply to

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

163 Pitt Street SYDNEY

Something New and Better Airzone Equamatic Coil Kits

You get peak efficiency at every setting of your condenser.



Wound on best quality Radion Tubing
Metal parts all heavily Nickel Plated

This Kit represents an entirely new scheme in R.F. Coil design. A weakness of all previous designs has been that the tuning broadens on the lower wave lengths to the detriment of the selectivity. This difficulty has been overcome in the AIRZONE EQUAMATIC COILS by varying the degree of coupling between the primary and secondary of the coils. They are intended for use with any of the new hollow spindle tuning condensers now on the market.

The illustration clearly shows the arrangement of the coils relative to the condensers.

IDEAL FOR THOSE LIVING IN CLOSE PROXIMITY TO
LOCAL BROADCASTING STATIONS.

Price 40/- Per Kit.

Manufactured in Sydney by—
AIRZONE LIMITED

The largest Coil Manufacturers in Australasia.

SALES AGENTS TO THE TRADE—

Manufacturers' Products Pty. Ltd.
(H. J. Hapgood)

Challis House, 4 Martin Place, Sydney.

Phone BW 1328

7.15 p.m.—Musical Selections from the Studio.
12.30 p.m.—Stock Exchange News; Market Reports.
12.45 p.m.—Musical Selections from the Studio.
12.50 p.m.—Shipping and Mail Notices.
1.00 p.m.—Close Down.

MATINEE SESSION.

"ORCHESTRAL CONCERT."

SPOONER'S "The Diamond Miners" Radio Club Recitals will be given during the afternoon as they come to hand.

2.30 p.m.—Studio Orchestra.

2.45 p.m.—Miss May Richards, Contralto, "Unmindful of the Rose" (Lohr); "For You Alone" (Gehl).

2.55 p.m.—Studio Orchestra.

3.05 p.m.—Miss May Richards, Contralto, "Euphemia from Rousseau" (Schubert).

3.15 p.m.—Studio Orchestra.

3.25 p.m.—Miss May Richards, Contralto, "Vale" (Russell).

3.35 p.m.—Studio Orchestra.

3.45 p.m.—Mr. Arthur Sampson, Baritone, "The Devil's Mail" (Bridge).

"Begone!" (F. Vanderpool).

3.55 p.m.—Studio Orchestra.

4.00 p.m.—G.P.O. Clock says "Four".

4.10 p.m.—Second Weather Forecast.

4.15 p.m.—Studio Orchestra.

4.20 p.m.—Mr. Herbert Pettifer, Violin, "Anakim" (Manen).

4.34 p.m.—Studio Orchestra.

4.34 p.m.—Mr. Arthur Sampson, Baritone, "The Threshold" (Kennedy Russell); "O That It Were So" (Frank Bridgers).

4.45 p.m.—Studio Orchestra.

4.55 p.m.—Tea-Time's Amusement Guide.

5.00 p.m.—G.P.O. Clock says "Five"; Close down.

CHILDREN'S SESSION.

5.15 p.m.—Uncle Mac's Entertainment.

EVENING SESSION.

"THE CONCERT; THE PLAY."

7.45 p.m.—British Official Wireless Press Studio Broadcast Broadcast; Special Pic and Call Report supplied by courtesy of Messrs. McPhail, Anderson and Co., Pty. Ltd.

8.00 p.m.—G.P.O. Clock says "Eight".

8.11 p.m.—Instrumental Trio.

8.15 p.m.—Mr. Howard King, Baritone, "To-morrow" (Kesel).

"Trade Winds" (Kesel).

8.22 p.m.—Radio Play, "For Better or Worse" (The Wedding) Andrew Blackett.

The Wife Rita Temple.

Scene in Their Living Room.

8.27 p.m.—Miss Leonora Scott, Soprano, "Dine Cupid" (Mama-Zucca).

"Whistle and I'll be on to ya my Lad" (Old Scotch).

8.34 p.m.—Miss Felicia Cramer, Violin, "Scaramouche" (Pierne).

"Maurilia" (Henry).

8.52 p.m.—Mr. Leslie Jephcott, Tenor, "Have You Seen But a White Lily Grow" (Old English).

"The Little Hours" (Kamer).

8.56 p.m.—Instrumental Trio, Selection from "Wildflower" (Younman).

8.58 p.m.—Howard King, Baritone, "Hear Ye! Wind and Waves" (Handel).

"Fly Away" (Armstrong Gibbs).

8.59 p.m.—Dr. Geo. Payne Phillips, President of the New Zealand Society of Victoria, and author of "National Health Drama," will give a lecture on "Psychology."

9.05 p.m.—Miss Leonora Scott, Soprano, "The Prayer" from La Tosca (Verdi).

"The Birthday" (Huntingdon-Woodman).

9.15 p.m.—Mr. Stanley Cox, Cello,

"Cello Suite" (Bach).

"Barcarolle" (Max Schmitt).

9.33 p.m.—Mr. Leslie Jephcott, Tenor, "I Did Not Know" (Tchaikoff), by request.

"Frost" (Rabindranath).

10.0 p.m.—G.P.O. Clock says "Ten".

10.1 p.m.—"Age Ago" News Bulletin, exclusive to SAR.

10.8 p.m.—Dance Hour; Leggett's Ballroom Orchestra (Direction, Mr. Harry Nancie).

11.0 p.m.—G.P.O. Clock says "Eleven"; GOD SAVE THE KING.

4QG, BRISBANE.

Thursday.

MIDDAY SESSION.

- 12 p.m.—Market Reports; Weather Information;
12 noon—"The Daily Mail" and "The Daily Standard"; "The Daily Mail" and "The Daily Standard" News;
12.30 p.m.—From Hotel Carlton Lunch Menu played by Hotel Carlton Symphony Orchestra;
12.50 p.m.—From the Observatory: Standard Time Signal;
12.55 p.m.—Close Down.

AFTERNOON SESSION.

- 1.30 p.m.—A PROGRAMME OF MUSIC FROM THE STUDIO: A programme of Music from the Studio, including: Overture, "The Virtuous" (Burg); Intermission, "Romance" (Fox); contralto solo, selected by Vera Parker; piano solo, selected by Waldfender; fol' singer, "The Concert" (Barnard); intermission selected, Mr. Hanisch; Craige; soprano, "Winn of Joy" (Van Norman); soprano, "Bright Eyes" (Deebley); selection, "I Met You Happy When You Made Me Up" (Goodwin); soprano, "Joyful, Joyful" (Gold).

- 1.45 p.m.—The Telegraph News.

- 1.50 p.m.—Close Down.

EARLY EVENING SESSION.

- 4.00 p.m.—"Daily Standard" News; Announcements;
4.30 p.m.—The Children's Session: Stories by Mrs. Sanderson;
5.00 p.m.—Market Reports; Stock Reports;
5.30 p.m.—Weather News; Advertising;
5.45 p.m.—Standard Time Signals;
7.15 p.m.—Locomotive, "A Talk on Banks," by Mr. W. A. Braden (McLeod's);

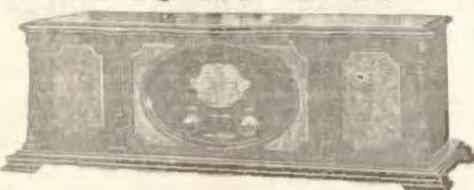
NIGHT SESSION.

MCLEOD'S CONCERT.

- Tonight's programme is being provided by McLeod's Bookstore, which has been arranged by Mr. W. A. Braden, it will be broadcast from the studio of 4QG. Overture, "McLeod's March" (composed by P. C. Smith, conductor of McLeod's Bookstore Orchestra); piano solo, "Humor-Bachelors," H. Price; violin solo, "Humor-Solo," Miss G. Price; A.T.C.L.: far-trav' song, "Mary Lee" (Lyman Wagner and Robinson); McLeod's Male Quartette; chorister, number, "Ain't Men Got Sense"; Miss Estelle Bent; soprano, "Oh, Pray me"; Miss Dorothy Morgan; soprano, Dorothy Morgan; A.C.V.M.; selection from "Madame Pompadour"; (See Fall), McLeod's Bookstore Orchestra; sketches, "Things That Never Happen"; Elsie Lauri; (Baritone) tenor solo, "In the Garden of My Heart"; C. H. Kull; vocal duet, "Soldier of Fortune"; Moers, G. R. Kull and R. Price; selection from "No! No! Nanette" (Coward and Youmans); McLeod's Band; orchestra, "Always"; Weather Information; vocal solo, "Always"; Irving Berlin; McLeod's Bookstore Orchestra; quartette, "Lay Me Down to Sleep in Carolina" (Yellow-Anne); McLeod's Male Quartette; sketches, Miss Neil Douglas; Gentleman, A.T.C.L.; Lauri, in his original song and character, "The Singing Swami"; pianoforte solo, "Carries" (Blodgett); Miss Hazel Stirling, A.T.C.L.; vocal solo, "Love Me Now" (Gibson); McLeod's Pompadour; (See Fall); Miss Dorothy Morgan; A.C.V.M.; clarinet solo, selected, Mr. R. Gapon; a Laminated Item, "Courting Grindly"; Miss Elsie Sanderson; piano solo, "Just a Little Bit of Love" (de Sylva and Hammer); Miss A. F. Standard; (See Fall); McLeod's Duo; vocal duet, "Two Hours"; Moers, C. R. Kull and R. Price; far-trav' "Brown Eyes, Why Are You Blue" (Brown and Meyer); McLeod's Bookstore Orchestra.

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

FARMER'S



Farmer's new Five Valve Receiver

Price £52/10/-, Complete

Farmer's New Model 5 Valve Receiver, set in handsome Queensland Maple Cabinet inlaid with Walnut, Ducò finish.

Has single dial control, each stage totally protected with Copper Shields. Cabinet provides ample space for all batteries. Supplied with high-grade accessories and loud speaker. Price £52/10/- complete.

Farmer's will erect this set free in all suburban areas.



SPECIAL NOTE

Farmer's do not pay the carriage on Wireless goods



Farmer's Standard 2-Valve Receiver

An ideal receiver for reception of broadcast programmes. Reception is clear and distinct, whilst its selectivity is equally remarkable, there is absolutely no interference from other stations. Supplied with a case of Tasmanian Blackwood, complete with all accessories ready for immediate use.

Price £14/10/-

Kelbie Trickle Chargers, charging at a slow, gradual rate, insuring long life of the accumulator being charged whilst operating receiver. The operating resistance is practically nil.

Price £4/7/8

FARMER'S, SYDNEY

Wireless Department, Ground Floor, Market St.

At last new shipments have arrived.

The Balkite Trickle Charger

A LONG FELT WANT NOW FILLED

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

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

economical installation for sets now using dry cells.

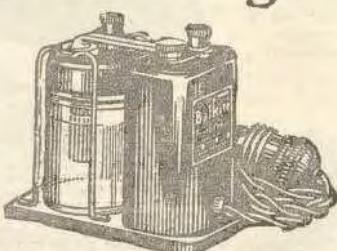
With small batteries this charger can also be used as a trickle charger if a resistance is added to cut down the charging rate to the needs of the set.

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

The Balkite Trickle Charger is 5½ inches long, 2½ inches wide, 5 inches high. It may be put in the usual dry cell compartment. Charging rate, .4 to .6 amperes. Current consumption, 1/162 per hour. Operates from 220-240 AC 50 cycle current.

Only £4 - 7 - 6

The Balkite Trickle Charger



Provides "A" current from the light socket

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516 COLLINS ST., MELBOURNE.

5CL, ADELAIDE.

Thursday.

MORNING SESSION.

12 noon—G.P.O. chimes.
12.15 p.m.—Recitals on the "New Renovating Sonora" and the "Autotone Broadcasters".
12.30 p.m.—"Advertiser" news service.
12.55 p.m.—Marks' reports.
1 p.m.—G.P.O. chimes.
1.15 p.m.—Musical programme continued.
2 p.m.—G.P.O. chimes and close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. chimes.
3.15 p.m.—Relay from the Maple Leaf Cafe—Orchestral selections.
3.45 p.m.—From the Studio—Talk by Mrs. M. Corfield.
4 p.m.—G.P.O. chimes.
4.15 p.m.—Relay from the Arcadia Cafe—Orchestral selections.
4.30 p.m.—Sun on instruments.
4.45 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

6 p.m.—G.P.O. chimes.
6.15 p.m.—Dinner music by the Covent Garden Band or the Orchestra.
6.45 p.m.—Bellini's aria.
7.15 p.m.—Mark's reports.
7.30 p.m.—Talk by Mr. A. M. Whittenbury.
7.45 p.m.—G.P.O. chimes.
8.15 p.m.—Twenty minutes with Mr. Geo. Oliver.
8.20 p.m.—Studio Orchestra.
8.35 p.m.—Song, Miss Mabel Langley.
8.39 p.m.—Song, Mr. L. J. Weeks.
8.45 p.m.—GCL Orchestra.
9 p.m.—G.P.O. chimes.
9.15 p.m.—Weather report.
9.30 p.m.—Dalglish's weather report.
9.45 p.m.—Song, Mr. Cyril Bradley.
9.55 p.m.—Song, Mr. Lionel Symons.
10.15 p.m.—GCL Orchestra.
10.30 p.m.—Studio, Miss Mabel Langley.
10.32 p.m.—Corner solo, Mr. Vern Rogers.
10.39 p.m.—Cello solo, Mr. G. Goldsworthy.
10.44 p.m.—Song, Mr. L. J. Weeks.
10.49 p.m.—GCL Orchestra.
10.55 p.m.—Song, Mr. Lionel Symons.
11 p.m.—GCL Orchestra.
11 p.m.—G.P.O. chimes and close down.

6WF, PERTH.

Thursday.

12.30 p.m.—Tune in.
12.30 p.m.—Local News Bulletin.
Market Reports, Cables.
1 p.m.—Time Signal from Perth Observatory.
1.15 p.m.—Weather Notes supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—STUDIO QUINTETTE.
2 p.m.—Close down.
3.30 p.m.—Music—programme, including
various selections by MISS EVELYN
WILLIS, A.R.C.M.
4 p.m.—STUDIO INSTRUMENTAL TRIO.
4.30 p.m.—Close down.
4.45 p.m.—Tune in.
5.00 p.m.—Programme for Tiny Tots by Auntie
Marjorie.
7.15 p.m.—Uncle Duffy will talk to the Kiddies.
7.30 p.m.—Stock and Share intelligence.
Market Reports, Cables.
7.45 p.m.—"The West Australian" Newspaper, Courtesy
of "The West Australian" Newspaper Co.
7.45 p.m.—Talk: "Current Developments in
World Politics" by MR. FRED. ALLEN-
DEER, B.A.
8 p.m.—Time Signal from Perth Observatory.
8.15 p.m.—Weather Notes supplied by the
Meteorological Bureau of Western Australia.

ORCHESTRAL CONCERT.
8.2 p.m.—"Big Ben" and programme announcements.
Conductor: MR. RONALD E. MOYLE,
A.T.C.

VOCAL ASSISTING ARTISTE.
1 p.m.—Travel Talk by JOHN COWIE, Esq.,
Representing Cook's Tourist Agency, Fremantle.

10 p.m.—Late News items by courtesy of "The
Daily News" Newspaper Co. Ships within
Australia announcement, Weather Report and
Forecast.

10.30 p.m.—Close down.

Friday, June 24 2FC, SYDNEY.

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and programme announcements.
7.15 a.m.—Studio music.

7.15 a.m.—Country Session; Official weather
forecast; rainfall, temperatures, astronomical
memoranda, shipping intelligence, mail services.

7.35 a.m.—Investment market, mining share
market, gold quotations.

7.35 a.m.—"World's Agricultural markets, In-
ternational markets, produce markets.

7.45 a.m.—"Sydney Morning Herald" sum-
mary.

8 a.m.—"Big Ben." Close down.

MORNING SESSION.

10 a.m.—"Big Ben", and announcements.

10.15 a.m.—"Sydney Morning Herald" news
service.

10.30 a.m.—Studio music.

10.35 a.m.—A Reading.

10.45 a.m.—Studio music.

11 a.m.—"Big Ben" and marching music for
school children.

11.15 a.m.—A.P.A. and Reuters' Cable Services.

11.30 a.m.—Marching music for school chil-
dren.

11.30 a.m.—A talk on Home Cooking and Re-
cipes by Miss Ruth Furst.

11.45 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.

12.15 p.m.—Official weather forecast; rainfall,
temperatures, astronomical memoranda.

12.25 p.m.—Studio music.

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

12.45 p.m.—Weather wireless news.

12.55 p.m.—Studio music.

12.59 p.m.—Marching music for school chil-
dren.

12.40 p.m.—Miss Enid D'Arcy, soprano:
"Drift Down" (Boudoir).

12.45 p.m.—Studio music.

1 p.m.—"Big Ben." Weather intelligence,
1 p.m.—"Evening News" midday news ser-
vice.

Producers' Distributing Society's Report.

1.05 p.m.—Studio music.

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

1.30 p.m.—Marching music for school chil-
dren.

1.40 p.m.—Miss Enid D'Arcy, soprano:
"Pierrot" (Reprise).

1.45 p.m.—Studio music.

2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.

3.15 p.m.—A Recital arranged by Mr. Walter
Thornson (Professor of Organ and Piano).

3.30 p.m.—Marching music for school chil-
dren.

3.45 p.m.—FROM FARMER'S TEA ROOMS:
Miss Jeanette Rosney, contralto:
"The Fuchsia Tree" (Gittler).

3.45 p.m.—Further items from the Recital ar-
ranged by Mr. Walter Thornson.

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- 4 p.m.—"Big Ben."
FROM FARMER'S TEA ROOMS:
Miss May Craven, mezzo-soprano.
"Laughing Brook" (Raghabach).
4.5 p.m.—FROM THE STUDIO:
A Reading.
4.29 p.m.—FROM FARMER'S TEA ROOMS:
Miss Jeanette Rooney, contralto.
"Rose in the Bud" (Forney).
4.25 p.m.—FROM THE STUDIO:
Musical Interludes.
4.30 p.m.—Miss Ethel Muller, contralto:
"Vorrei" (Tosca).
4.35 p.m.—Studio music.
4.40 p.m.—FROM FARMER'S TEA ROOMS:
Miss May Craven, mezzo-soprano.
"The Caution" (Arne).
4.45 p.m.—Stock Exchange, third call.
4.46 p.m.—Studio music.
4.48 p.m.—Miss Ethel Muller, contralto:
"Ondine" (Moliere) (Handel).
4.54 p.m.—Studio music.
5 p.m.—"Big Ben." Close down.

- EARLY EVENING SESSION.
5.45 p.m.—The Chimes of 2FC.
5.50 p.m.—"Hello Mum" talks to the children.
6.30 p.m.—A Serial Story.
6.40 p.m.—Dinner music.
7 p.m.—"Big Ben." Last minute sporting information by the 2FC Racing Commissioner.
7.10 p.m.—Dulgey's market reports (wool, wheat, and cotton).
7.15 p.m.—Fruit and vegetable markets.
7.20 p.m.—Weather and shipping intelligence. Stock Exchange.
7.25 p.m.—Late "Evening News" news service.

- NIGHT SESSION.
7.45 p.m.—The programme announcements.
7.50 p.m.—Studio items.
8 p.m.—FROM THE THEATRE ROYAL, CASTLEREAGH STREET, SYDNEY:
The First Act of the Musical Comedy in Three Acts, "MADAME POMPADOUR," featuring MISS BEFFIN DE VRIES (by permission of Messrs. J. C. Williamson, Ltd.).
ACT ONE: MUSICAL NUMBERS: Introduction and Ensemble, Arthur Stigani and Chorus; Song, "Carnival Time," Frank Webster and Lady Duff-Gordon; Duet, "Love Me Now," Beppie de Vries and Vera Spauli.
Duet, "By the Light of the Moon," Beppie de Vries and Frank Webster.
Duet, "If I Were King," Vera Spauli and Arthur Stigani.
Final Act, Full Company.
SCENE: The Tavern of "The Nine Muses."
8.15 p.m.—Mr. Bill Bowes.
FROM THE STUDIO:
Mr. Cyril Monk, violinist:
"Londonderry Air" (arr. Monk).
9.5 p.m.—A talk on Bridge by Mr. Graham Kent, No. 7.
Subject: "Denial and Assistance."
10.15 p.m.—Miss Mabel Betschler, soprano.
10.19 p.m.—Mr. Charles Lawrence, entertainer: "I often wonder if my Mother knew" (Lawrence).
10.23 p.m.—Mr. W. F. Kay in a series of unrehearsed Stage Happenings: Humorous and Tragic.

- 9.37 p.m.—FROM THE STUDIO:
Mr. Cyril Monk, violinist:
(a) "Andalusian Sketch" (Morales).
(b) "The Dancer" (Smetana).
9.45 p.m.—Miss Marion Hartshorne, soprano.
9.50 p.m.—Mrs. Harrison White, banjo solo:
(a) "Melody in F" (Baldwin).
(b) Fox Trot, "Tenderly."
9.57 p.m.—Mr. Charles Lawrence, entertainer:
(a) "Loops" (Merry).
(b) "Wrong numbers" (Buch).
10.10 p.m.—Mr. Cyril Monk, violinist:
"Paganini" (Zemlinsky).
10.15 p.m.—Miss Mabel Betschler, soprano.
10.19 p.m.—Mr. Charles Lawrence, entertainer.
10.22 p.m.—Mr. Harrison White, banjo solo:
(a) Waltz, "At Peace with the world" (Bennlin).
(b) Selection of Choruses (various).

10.30 p.m.—Late news and announcements.
 10.34 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY:
 The new Wentworth Symphonic Dance Orchestra under the baton of Mr. Frederick Leighton.
 10.44 p.m.—Celebrity record: From the Studio.
 10.57 p.m.—FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY:
 The new Wentworth Symphonic Dance Orchestra will play until 11.15 p.m.
 11.15 p.m.—National Anthem.
 Close down.

Saturday, June 25 2FC, SYDNEY

EARLY MORNING SESSION.

7 a.m.—"Big Ben," and announcements.
 7.30 a.m.—Studio music.
 7.35 a.m.—Country Session: Official weather forecast, rainfall, temperatures, astronomical messages, shipping intelligence, mail service.
 7.45 a.m.—Investment market, mining share market, metal quotations.
 7.55 a.m.—Wool sales, brands-offer markets, Interstate markets, produce markets.
 8 a.m.—"Big Ben." Close down.
 MORNING SESSION.
 10 a.m.—"Big Ben," and announcements.
 10.30 a.m.—Studio music.
 10.45 a.m.—"Sydney Morning Herald" news service.
 10.55 a.m.—Studio music.
 10.55 a.m.—Last minute racing information to the 2FC Commissioner.
 11 a.m.—Studio music.
 11 a.m.—"Big Ben."
 A.P.A. and Reuters' Cable Services.
 11.10 a.m.—A talk on Gardening by Mr. G. J. Lockley ("Rodgum").
 11.30 a.m.—Studio music.
 11.45 a.m.—Close down.
 MIDDAY AND AFTERNOON SESSION.
 12 noon—"Big Ben."
 Stock Exchange, first call.
 12.30 p.m.—Studio music.
 12.30 p.m.—Rugby wireless news.
 NOTE: Events of the Moorefield Racing Club's meeting will be described in the racing by the 2FC Racing Committee.
 1 p.m.—"Big Ben." Weather intelligence.
 1.15 p.m.—"Evening News" midday news service.
 1.20 p.m.—Studio music.
 NOTE FROM THE SYDNEY CRICKET GROUNDS: A talk on the game of the Rugby Union Inter-State Football Match: QUEENSLAND versus NEW SOUTH WALES.
 During the intervals of sporting events, musical items will be given by the Studio, including Mr. Tom Fennell, Novelty Pianist. The new Wentworth Symphonic Dance Orchestra, under the baton of Mr. Frederick Leighton, will be heard in popular numbers throughout the afternoon.

4.30 p.m.—Results of the day's sporting events.
 5 p.m.—"Big Ben." Close down.
 EARLY EVENING SESSION.
 5.15 p.m.—The Chimes of 2FC.
 5.30 p.m.—The "Hello Man" talks to the children.
 6.30 p.m.—A Serial Story for the older ones.
 6.45 p.m.—Dinner music.
 7 p.m.—"Big Ben." Late sporting information.
 7.15 p.m.—Weather intelligence.
 7.30 p.m.—"Evening News" late news service.
 7.35 p.m.—Studio music.
 NIGHT SESSION.
 7.45 p.m.—Programme announcements.
 7.50 p.m.—The Studio Dance Band; conductor, Mrs. Eric Pearce.
 8 p.m.—"Big Ben."
 FROM THE CRYSTAL PALACE, GEORGE STREET, SYDNEY:
 Items by the Orchestra under the baton of Mr. Maxine Stone.
 8.15 p.m.—FROM THE STUDIO:
 Mr. Harold Tollemache, baritone.

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- 8.19 p.m.—Mr. Montgomery Stuart, entertainer.
8.30 p.m.—FROM THE CRYSTAL PALACE THEATRE, ORCHESTRA.
8.45 p.m.—THE STUDIO:
Mr. Billy Grindell will give some hints in Modern Dancing.
8.50 p.m.—Mr. Harold Tollemache, baritone.
8.55 p.m.—The IFC Studio Dance Band; conductor, Mr. Eric Pearce.
9.10 p.m.—Mr. Montgomery Stuart, entertainer.
9.15 p.m.—Miss Virginia Bassett, soprano.
(a) "The Leaves and the Wind" (Leyton).
9.20 p.m.—The IFC Studio Dance Band.
9.25 p.m.—Miss Margaret James, soprano.
9.30 p.m.—Mr. Harold Tollemache, baritone.
9.35 p.m.—Mr. Montgomery Stuart, entertainer.
9.40 p.m.—The IFC Studio Dance Band; conductor, Mr. Eric Pearce.
9.45 p.m.—Miss Virginia Bassett, soprano.
(b) "Pique" (Dorgé).
9.50 p.m.—Mr. Ad Cree, Scotch comedian.
10 p.m.—"Big Ben."
FROM THE CRYSTAL PALACE THEATRE, GEORGE STREET, SYDNEY:
Items by the Orchestra, conducted by Mr. Harry Stone.
10.10 p.m.—Miss Margaret James, soprano.
10.15 p.m.—The IFC Studio Dance Band.
10.20 p.m.—Mr. Ad Cree, Scotch comedian.
10.30 p.m.—Miss Virginia Bassett, soprano.
"The Shepherds' Song" (Elgar).
10.35 p.m.—The IFC Studio Dance Band.
10.44 p.m.—Miss Margaret James, soprano.
10.48 p.m.—The IFC Studio Dance Band.
10.56 p.m.—Mr. Ad Cree, Scotch comedian.
11.00 p.m.—"Big Ben."
- FROM THE WENTWORTH CAFE, CHURCH HILL, SYDNEY:
The new Wentworth Symphonic Dance Orchestra, conducted by Mr. Frederick Leigh-ton.
11.10 p.m.—Last news and announcements.
11.15 p.m.—The Wentworth Symphonic Dance Orchestra in popular numbers until 11.45 p.m.
11.45 p.m.—National Anthem.
Close down.

WIRELESS WEEKLY

Registered Trade Mark.

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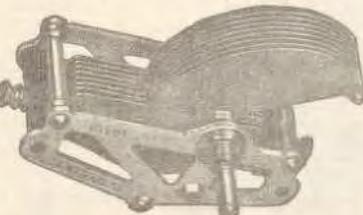


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**All Readers' Queries
Answered Here****QUERIES**

Will readers kindly note that all technical queries are answered through the columns of Wireless Weekly. There is no occasion to send either stamp or addressed envelopes. The only condition is that the number of questions be limited to four. We unfortunately cannot deal with technical queries by telephone or by personal callers.

D.X. (THANGOO).—Roch.

SPARK GAP (CLOVELLY).—Send your name and address.

S.W. (MURPHEY).—Build a one valve set for work while results.

H.H. (NEWNS JUNCTION).—See "Radio" for May.

E.H.C. (CONDORGLIN).—Arrangement. A better Earth at Y. A counterpoise in dry weather is an advantage. Keep earth at Y moist, or if easier to do that at Z install Z earth.

H.G.B. (SOUTH GRANVILLE).—The Wave Trap 4 Valve Receiver in "W.W." 12/6/27, Warneford and Sons, Crown Nest. Seventy feet long and thirty feet high.

W.C.S. (COLAC).—Increase size of grid leak.

A.R.C. (REDIFORN).—Q: Can a person living in Cairns (North Queensland) receive the Sydney stations on the "W.W." 2 valve Receiver, or any other 2 valves set published in "W.W."?

A.: Marconi Redex 2 Valve.

G.A.A. (BELMOPAN).—Q: (1) Where a microphone can be purchased and the approximate cost?

A.: Stromberg Carlson (Australian), Ltd., 75 William Street, Price: £1/2/6.

Q: (2) Would a "Bathurst" UV199 function satisfactorily in the circuit?

A.: Yes, but would rather see you with a PVS.

Q: (3) Would a "B" voltage of 42 to 54 meet requirements?

A.: Better 160 to 180 volts.

H.E.C. (KUCHING, SINGAPORE).—Q: (1) Are Leclanche Cells still also suitable for 2 valve Receivers? If not, would large size be available?

A.: Small size suitable.

Q: (2) What voltage per cell will Leclanche cells give?

A.: Approximately 1.1 volt per cell.

J.H.M.Y. (COORPAROO, Q.).—Put more battery and watch the crystal detector.

G.H. (MILL END, S.A.).—No forget about this for the time being. Will advise you later, Thanks.

J.W.M. (WAVESLEY).—Enclosed drawing (See Mr. O. H. O'Brien, Pitt Street). Shields $\frac{1}{2}$ of an inch all round from secondary coil. Space up above primary is thus $\frac{1}{2}$ inch.

G.E.L. (GUNDAGAI).—Yes, should.

G.M.D. (BANKSTOWN).—See a proper battery service station.

R.G.A.D. (ARNCLEIFFE).—Your present components are D.R.C.

E.A.S. (PARHAMATTA).—See "W.W." 25/6/27. Watch socket wiring.

H.J.F. (LUDGEMBE).—The Hale Receiver.

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