WIRELESS WEEKLY

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21 APR 1928
SYDNEY.

Broadcast Programmes a Week in advance

VOLUME 11

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

NUMBER 26

Friday, April 20, 1928 **Price Threepence**

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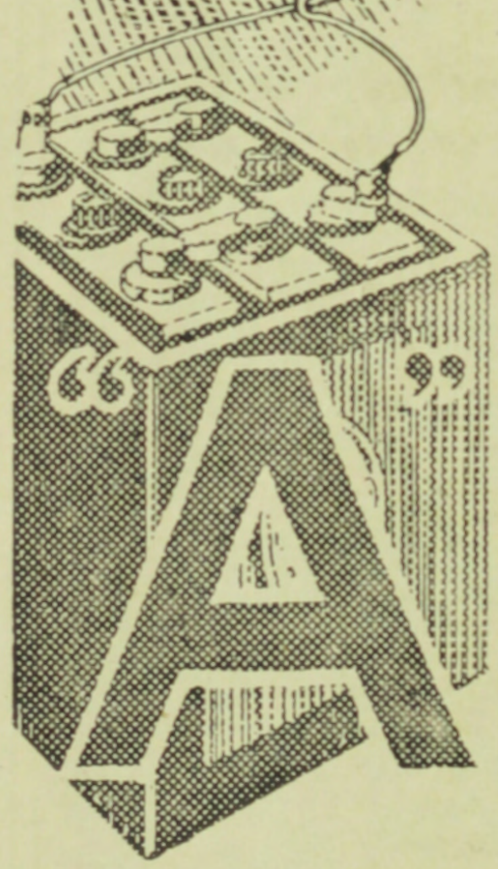

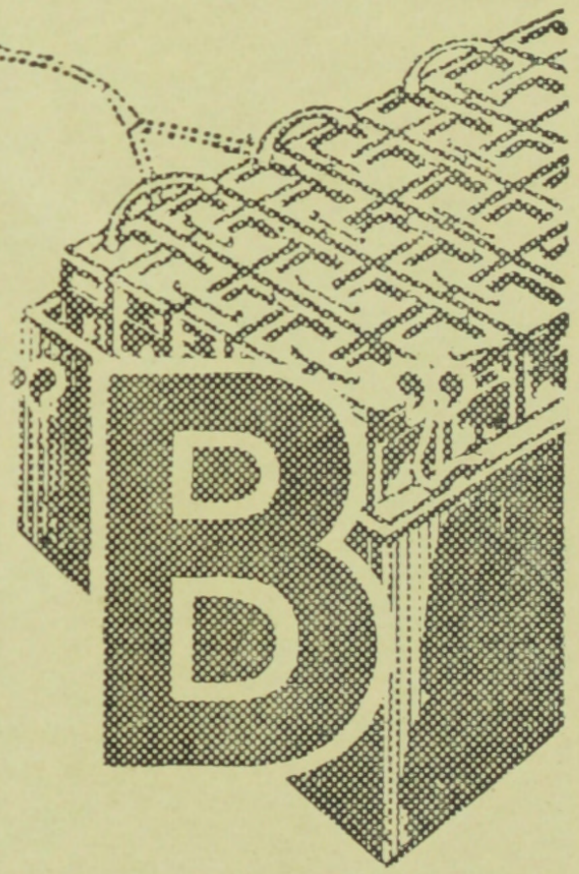

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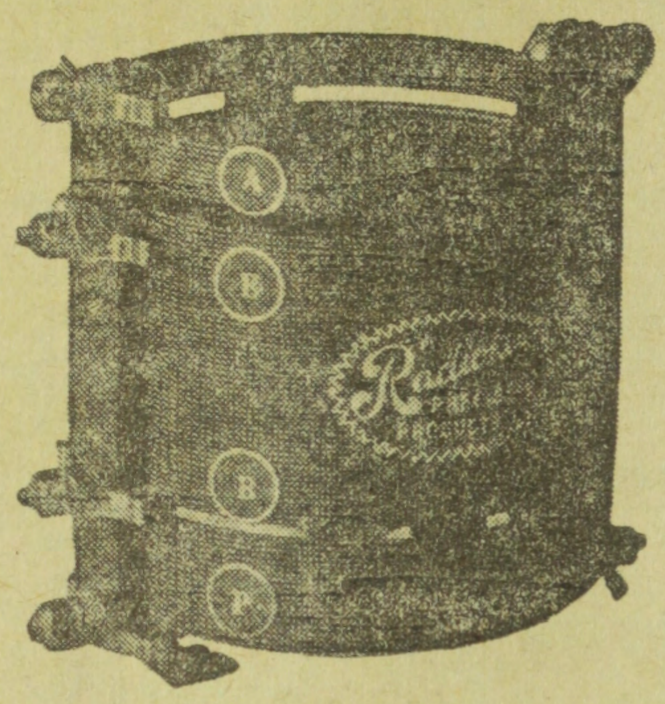

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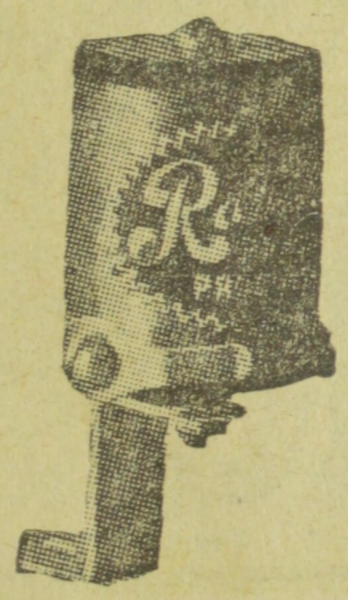

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WIRELESS WEEKLY

VOL. 11. No. 26. FRIDAY, 20th APRIL, 1928.

Broadcasting as a Publicity Medium.

NO incident of general interest to the community is missed by the broadcasting directors. If it is of any interest to the listeners, every effort, and some extraordinary ones at that, is made to arrange for the incident to be brought to the notice of listeners. The enterprise displayed by 3LO in sending one of its principal men to Bundaberg to meet Hinkler and get his voice for 3LO listeners is an example of the keenness displayed by broadcasters in getting interesting items for the programmes.

It is the same in all countries where attractive broadcasting services are conducted energetically. There are not many such countries, certainly; but the desire to be of service to listeners is gradually becoming more evident. One of the most remarkable countries in this respect is Russia. It is surprising to learn of the extent to which radio is being utilised by the Soviet for the education and entertainment of Russians, particularly peasants in districts far removed from sources of normal instruction, information, and entertainment. And as there are as many millions of peasants who cannot read, the spoken word via radio is the ideal medium for instruction.

In America, of course, the broadcasting services are more extensive and the stations more numerous than in any other country. Unlike the majority of the services in other countries, no charge is made on listeners. The services are financed by other means than by listeners' license fees.

The method which is now responsible for most of the revenue of the broadcasting stations is the "sponsored programme." People who have something to sell, or who have something they wish brought under the notice of the general public, have found the broadcasting service an excellent publicity medium. It is doubtful if there is any greater means of reaching the minds of the great body of the public.

These people—manufacturers, hotel-keepers, etc.—arrange for their names to be mentioned during the broadcast programme. In some cases the name of the commodity is specially mentioned. For the privilege of having their names mentioned the "advertisers" have to arrange for a part of the programme; for a number of artists to be paid by them, in short, they hire the use of the station for a given period of time.

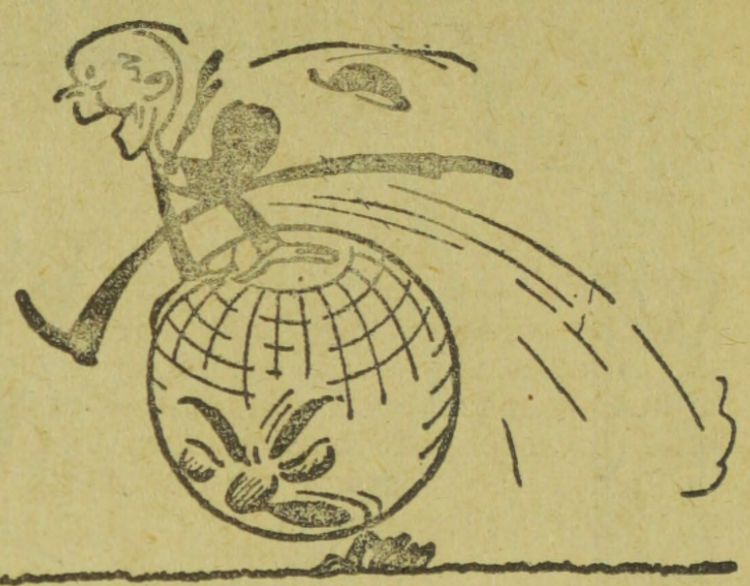
An example of this method was the publicity given by a motor company recently to the introduction of a new model of car. The company "hired the time" of 45 stations all "tied" together by telephone lines in various States, from Massachusetts to California, for an hour. Several times during the hour, the announcer referred to the name of the car, and for the brief period of four minutes, a representative of the car company spoke about the new model.

Thus we see how the value of broadcasting as an advertising medium is appreciated. So long as the advertising or propaganda is carried out in a manner calculated not to offend the tastes of listeners, there does not appear to be much to object to in the methods.

But any undue use of the microphone for straight out advertising is to be condemned. It is not allowed at all in England and in Germany; but in Australia the limited use of it seems fair and not unreasonable.

Catching Up with the Wireless World.

By R. E. CORDER.



ONE OF THE hardest Bridge problems on the radio, is to keep it tuned out.

FROM APRIL to October last, Beam wireless obtained nearly half of the telegraphic traffic between and Great Britain.

ALTHOUGH there are no broadcasting stations in Roumania, it is officially estimated that there are 15,000 owners of receivers in the country. They rely for their entertainment on programmes from Russia, Poland, Czecho-Slovakia, Hungary, and Jugo-Slavia.

AS A FIELD FOR BUSINESS exploitation radio seems to present large opportunities. This view was emphasised at a dinner held this week in celebration of the success of the Sydney Radio and Electrical exhibition.

The chairman remarked that the fact that the attendances at the exhibition had nearly doubled those of last year indicated how the interest in radio was continuing to grow. By way of encouraging members of the radio trade, the chairman stated that in the United States, two homes out of every five possessed radio sets, and in England one home in each three or four, whereas in Australia only one home in every six was equipped with a radio set.

The uses of a radio receiver, both for entertainment and general utility, were now so well recognised, said the chairman, that within two or three years, at least half the homes in Australia would have their own radio sets. Even in the past twelve months there had been an increase of 50 per cent.

At this stage in the dinner, all the representatives of the radio companies rose to their feet, and cheered lustily.

Subsequent speakers declared that the radio sets of to-day are so effective, and the programmes of the broadcasting stations so good, that the ensuing six months of cool weather in which radio reception is at its best will bring a volume of business two or three times as great as any corresponding period in the past.

THE WIRELESS UNCLES, AUNTS, BIRDS, DOGS, ETC.

The following list taken from one week's complete programme of all the stations gives an idea of how well children are catered for. Each of the representatives named below has thousands of admirers.

The "Hello Man"—2FC.
"Uncle Rus"—2FC.
"Jerry"—2FC.
"Mike"—2FC.
"Uncle Bas"—2BL.
"Uncle Peter"—2BL.
"Cousin Willa"—2BL.
"Cousin Eric"—2BL.
"Cousin Marjorie"—2BL.
"Bringa"—2BL.
"The Tiny Tots"—2BL.
"Hector, the wireless bird,"—2BL.
"Uncle George"—2GB.
"Uncle Dick"—2GB.
"Uncle Victor"—2GB.
"Little Willie"—2GB.
"Bimbo"—2GB.
"Aunt Flo"—2UW.
"Wendy"—2KY.
"Billy Bunny"—3LO.
"Brother Bill"—3LO.
"The Captain"—3LO.
"Mary Mary"—3LO.
"Mary Gumleaf" 3LO.
"Little Miss Kookaburra"—3LO.
"Jimmy Jackaroo"—3AR.
"Sammy Sundown"—3AR.
"Tommy Towny" 3AR.
"Uncle Mac"—3AR.
"Yarra, the White Cockatoo"—3AR.
"Darkie, the Black Kelpie Dog"—3AR.
"Brer Rabbit"—3AR.
"Blue Bell"—3AR.
"The Farmyard Five"—3AR.
"Uncle Jim"—4QG.
"Uncle Ben"—4QG.
"The Sandman"—4QG.
"The Radio Family"—5CL.
"The Bird Lady"—5CL.
"Uncle Gideon"—5DN.
"Uncle Daniel"—5DN.
"Uncle Duffy"—6WF.
"Uncle Henry"—6WF.
"Uncle Bertie"—6WF.
"Cousin Mac"—7ZL.
"The Funny Man"—7ZL.
"The Sunday Lady"—7ZL.
"Uncle Hector"—7ZL.

"LOST!" Station 2FC is besieged with distracted seekers after lost property, but surely the strangest request of all was contained in a portentious blue envelope which came to hand last week, duly visaged by the Police, wherein a resident of North Parramatta anxiously sought to trace "an aged grey mare," attached to spring van with red wheels and black lines!

QUEER QUERIES: "Hello, is that 2FC? Well, I want you to make a very important announcement. What? You can't do so, without written authority from Police Headquarters. But you don't understand—you see, my girl has lost her handbag . . ." And still the staff maintains a truly amazing geniality!

It reminds us of the lady who in the consideration of her kindly heart, wrote to 2FC: "I sent you a letter, asking you to broadcast the loss of my darling little dog, but you needn't bother now—BECAUSE I'VE FOUND HIM!"

THE RADIO and Electrical Exhibition just concluded at the Sydney Town Hall, has been an object lesson to over 40,000 visitors. Many thousands who attended probably realised for the first time the real significance of radio in the home. There were 44 exhibitors showing radio receiving sets or electrical labor-saving appliances. Competition in the radio industry is very keen, and each stand carried the very best products that could be assembled.

RADIO set owners who are unable to visit the Royal Agricultural Society's Easter Show are being served by the Sydney broadcasting company, 2BL, as far as possible. A microphone has been installed at the ringside, and Mr. Basil Kirke broadcasts an account of the principal events. Mr. Kirke, who was formerly a Government agricultural expert, also tells listeners of other features of the show. His descriptions are considered quite a feature of station 2BL's programme.

The Boundaries of Broadcasting

[*By Billy T.*]

WHEN the Postal Department in its wisdom saw that wireless was a new star swimming into its ken, it made haste, but not undue haste, to receive it into its kingdom, and place the postage stamp of its approval on this new means of intercommunication. You are to imagine what a problem confronted those puzzled postal officials and their heads of departments at that time not so very long ago. There are some critics, wise after the event, who think better arrangements could have been made, but even the expert of advisers of the Department wist not what a manchild was then born.

Let us only mention the word, "Sealed Sets," and hastily pass on as though we had not heard.

State Limitations.

Well, the official mind conceived that there must undoubtedly be several broadcasting stations for the big continent of Australia, since in these days to hear music 50 or 100 miles away from the station of origin was accounted miraculous. So they said: "Go to! we shall divide the Commonwealth, like the hills of Rome, into seven parts by States, from 2 even unto 7." And they numbered them. Was not New South Wales number 2, Victoria 3, Queensland 4, South Australia 5, Western Australia 6, and Tasmania 7, even as they are unto this day? And they said: "Let there be a Broadcasting Station (more or less) unto each State, for peradventure Wireless is a State Utility, even though we be a Great Commonwealth Department, and really aren't supposed to think in States." So they apportioned unto the States their broadcasting stations, unto each state and station, more or less, according to their ability. And the Noise thereof was Great.

The Clash of States and Statics.

So for a time all went very well with wireless. But after a time it was the vision of the fat and lean kine done into modern terms. Little Victoria got hold of so big a broadcasting station that she very much resembles even now a small child staggering under the too vast orb of a very live and vigorous Kewpie (with apologies to 3LO, Melbourne). It is a case of the doll nursing the child. Or, in more respectful terms and plainer English, 3LO, Melbourne, has turned out to be ever so much too big for its State. You simply can't say to its transmissions as you sit like Canute on the shores and demarcations of the State of Victoria: "Hitherto shall thou come, but no further, and here shall thy proud waves be stayed!" 3LO, Melbourne, is heard all over the continent, and wherever the star-crossed flag of Australia is, or should be, unfurled, besides flowing over into the other continents, and even into Great Britain and Europe beyond the seas.

What are We to do About It?

Now this is rather a curious complication. It is well known, without reflecting on other excellent stations that sit at home at ease within their own boundaries, that 3LO, Melbourne, is the natural as opposed to the official station for many listeners outside the State limits. The same may, of course, be said for other stations in certain other districts outside their own ambit of discourse. Is it not evident, then, that State limitations are effete in broadcasting affairs? They really ought never to have been established. The idea at the back of the Royal Commission's Report on Wireless is exactly that, although expressed in much dryer and vaguer official terms. If all the licenses in the Commonwealth were pooled and divided pro rata among the broadcasting stations according to their performances over a series of years, you and I know where most of the dividends would go to, and we also know that if great dividends imply greater undertakings, very evidently the leading broadcasting station would find itself expected to provide services for more than one State.

Sydney & London Programmes Compared

Which is the better?

THAT the Australian broadcasting stations—or some of them—are equal to any in the world seems borne out by carefully made comparisons.

An analysis has been made of the programmes of the Sydney station 2FC and 2LO, London, and this shows that to "special features," such as the broadcasts from a coal mine, a trawler, and the Air Derby, 2FC devoted over 5 per cent. of its programme, whereas the London station devoted less than 2 per cent. of its time. It must be remembered also that the Australian stations are "on the air" for much longer periods each day than the British. Six per cent. of the programme of 2FC was devoted to sporting events, races, cricket, football, swimming, and similar events, whereas the London station gave much less than one per cent. to broadcasts of sport. Religious services in each case totalled just over 4 per cent., but London gave 7 per cent. of its time to the children's sessions, as against 6 per cent. given by 2FC. "Talks" are not very popular among listeners in Australia, consequently 2FC gives less than 5 per cent. of its time to "educational talks," but 2LO gives 14 per cent. In respect of music, 2FC devotes 12 per cent. of its time to operatic, orchestral, symphonic and chamber music, and 2LO 10 per cent. Light and comic opera occupy 2 per cent. of 2FC's time, as compared with 12 per cent. of 2LO'S.

Station 2FC runs from 7 a.m. to 11 p.m., with breaks, and during hours when comparatively few persons are listening gramophone music is broadcast. Except for the length of hours, 2FC's record would compare still more favorably with that of the great London station.

Scrutiny of the programmes, in comparison with American stations, show the Australian broadcasters in a still more favorable light.

It is of interest to note that the popularity of broadcasting is of assistance to the gramophone industry. Evidences in this direction are constantly to be found, such as the following letter, written this week by a listener at Homebush:—"I was charmed with Miss Shirley Cooke's rendering over the air of the song 'It all Depends on You.' Has she given it on a gramophone record? If so, I will secure one, so I may enjoy it many times in the future."

In passing, it must amuse readers to know that a gentleman, living in the bush, recently wrote to station 2FC, asking where he could buy records for his radio set.

OF ALL mediums of broadcast entertainment elocution is the most difficult to handle. In ordinary conversation the rise and fall of the voice —what is known technically as "frequencies"—is as necessary as it is natural. Imagine the deadly monotony of even monotone. Yet in dramatic work over the air those very "frequencies" are the pitfalls most to be avoided. The picking-up microphone magnifies light and shade, and the artist is faced with the problem of conveying emotion without that exaggeration which an actor on the stage must use. He must reach his listeners through his own personality. They cannot see him, and consequently the force of action is lost. This is no work for the novice. It takes an artist of long experience to rise above such difficulties, aided by the practical assistance of a station which has learned the value of microphone training.

The Women's Session

(Conducted by Dorothy Jordan, 2BL.)

Newly-Weds are Learning to Cook.

Many and varied are the requests which are sent in to the Women's Session. A maiden, about to be married, asks: "Where shall I seat the guests at my wedding breakfast? Who proposes the toast to the bride's parents? When does the bride leave the breakfast table?" All these worrying questions are answered, and we wish the little bride all sorts of luck.

Another newly-wed says: "I listen in every morning to your very delightful talks, and when I make a new sweet, and set it before hubby, he says: 'Another of Mrs. Jordan's, dear?' I am learning to become quite an expert cook through listening in, and I am writing to tell you how thankful I am to you."

Sugar-coated Pop Corn.

"I have the corn already popped, but do not know how to sugar-coat them. I would be very pleased if you could tell me, over the wireless, how to coat them." Thus writes an ardent sweet-maker. She is told to listen in each Friday afternoon, when instruction on sweet-making is given.

Confidence.

It is a frequent occurrence during the Women's Session for a listener to ring up on the 'phone, and ask for further details on the subject being discussed. Last week, when I was just finishing my talk, a ring came over the 'phone from a mother, who said: "Baby has spilled a glass of milk over my velvet frock; what shall I do to remove the stain?"

Such is the confidence the audience places in us. The mother was sure I had a remedy on tap.

Dr. Harvey Sutton says:

If you would be rid of pests, such as flies, mosquitoes, etc., burn all rubbish in the garden; keep water tanks covered, and do not have any old tins or such receptacles stand round full of water. This advice applies more directly to those listeners in the country districts.

To be healthy and strong, the child must have good food, plenty of fresh air, exercise, sleep out of doors where possible.

Sounder Teeth.

Members of the Dental Board declare that if parents gave their children suitable bone-making foods, such as brown whole-meal bread, toast, raw apples, and milk, instead of soft, mushy foods, the children's teeth would be much sounder.

Teeth should be used to bite and chew food with. Hard foods keep the gums and teeth healthy.

Teach the little ones to brush the teeth last thing at night, and, if any food is given, let it be an apple; but on no account give the child biscuits or soft foods that gather round the teeth and set up decay.

How to Choose a Fur.

Every woman loves furs, but how many of us can distinguish a good from a cheap fur? Having bought a fur, do we understand how to take care of it?

Next Thursday, an expert furrier will tell us how to judge the quality of a fur, describe the different kinds, and also will give a few hints about the care of the fur.

DOROTHY JORDAN.

The Safety Valve

Readers are urged to express their opinion on matters pertaining to broadcasting. If you have some grievance, if you have some constructive criticism to offer, here is your chance for expression—your safety valve. The editor assumes no responsibility for statements made by readers and published on this page, as opinions of correspondents do not represent our editorial policies or beliefs. Anonymous letters are not considered.

DOCILE.

Dear Sir,—Listeners-in are said to be notorious growlers about quality of programmes, but aren't they the most docile folk of all?

Allowing that quite good programmes are often broadcast from "A" class stations in Sydney during the week days, what happens on Sundays?

For persons whose passion is to save their souls before dying, the broadcast of three spasms of church from both 2BL and 2FC must greatly please. Organ recitals, and records of hymns and choirs add to their pleasure. For the countless thousands of others (not scoffers, but just broadminded easy going Australians) there is no alternative. "I have to close up my set on Sunday altogether," say many in despair. But they have to pay their licence fee just the same. Isn't the sermon department coming through the loudspeaker just a little too stridently and insistently?

Yours for liberality,

CHARLES K. BROOME.

Bellevue Hill.

SPARK INTERFERENCE.

Dear Sir,—I notice that during the past 12 months there has been quite a lot of talk about the interference of ships' stations are bound to exchange cast listeners.

Well, sir, in my opinion, it is almost impossible for a radio set with any selectivity at all to be interfered with in such a manner when tuned into a broadcasting station. I might mention the regulation which says, "All ships stations are bound to exchange messages with the minimum power required to obtain effective communication."

Following out the above rule, and transmitting on a wavelength of 600 metres, I can see no possible way of spark interference. Crystal set owners know that Sydney Radio (Pennant Hills) causes more interference than ships. I have had several years' experience with ships' radio installation and have gone into the matter of interference.

Hoping to hear other people's opinions on the matter.

Yours, etc.,

Waitara. H. J. PARKER.

WAYBACK VIEW.

Dear Sir,—May I join this controversy re suitable programmes from our broadcasting stations? 2FC with their inexhaustible supply of gramophone records, 2BL with their advertising, 3LO with their lectures, and such like, to say nothing of the other stations not worthy of mention, make one feel like pulling down the aerial. Then we have from them all the church services and classical music to add on, and if that is catering for the general Australian public, well then I don't know "our" Australia. We hear and read the everlasting cry of "Too much sport." Well, what I say is, if we have to put up with the like previously mentioned, well then why not be fair and leave our sport alone.

May I champion the cause of the man that likes his sport on a "Wayback" viewpoint. We have no chance of witnessing sporting events, but I can assure you we enjoy listening to descriptions and results of them, and I am quite sure it is the same all over the country.

Should this classical and wowser element succeed in "whiteanting" our sport from the programmes, I know quite a number of sets that will "receive" no more.

Australians are a sport-loving community, that no one will deny, and I think that the broadcasting stations should cater for them and take no notice of the element that seems to try and force the broadcasting companies to turn "reformers." Our biggest knock so far is the announcement by Norman McCance that he will not be broadcasting wrestling this winter. We know not the reason, and a wrestling broadcast without Norman McCance seems an impossibility, and I venture to say is an impossibility. We are all asking each other how we are going to put in long winter Saturday evenings without him, and sincerely hope something is done to remedy this apparent end to broadcasting wrestling, for such does Norman McCance's absence mean.

Perhaps this announcement will be greeted with cheers from some section, but he will be missed by many who have listened to his descriptions from the stadium and other places.

Yours, etc.,

Wilcannia. OUTBACK SPORT.

COULD NOT BE BETTERED.

Dear Sir,—Re all this nagging about our wireless programmes. I think the writers only wish to see their name in print. If they were out in the wild and woolly bush, they would be very thankful for a gramophone. Myself, I say that the programmes could not be bettered. I am using a five-valve Fada set, and if I cannot get one station's programme that I like, I am not trying. Everyone knows that a station gives only of its best, but if all the water in the world was beer, somebody would want whisky.

Yours faithfully,

Aramac, Q. 4KB.

CHEAP.

Dear Sir,—Permit me to put my spoke in regarding the various programmes put over. I have been a listener for over two years now, and in my opinion the programmes are getting worse. The general run seems to be to put on whatever is cheapest. A short while ago a "stray" artist was heard during the day from 2FC, now its all records and some very poor ones at that. Again from 2BL advertising is creeping in fast. H.M.V. records, Gulbransen Registering Piano, and somebody's batteries.

As a man on the land I thought I would get up-to-the-minute information re markets, but although the markets are given half a dozen times a day, it is only the midday report hashed up over and over again. Are the various broadcasting companies aware the fruit and vegetable sections are open from 6 a.m. in the morning and most business is completed before 8 a.m., and the ruling rates for that day could be put over by 9 or 10 a.m., yet we get nothing until 12.30 p.m. What good is that to a farmer if he wants to take advantage of a rise or fall in prices and pick, pack, and in my case, cart produce to a station four miles and have same in by a quarter to five?

Wishing your journal continued success.

Yours truly,

F. V. ROWE.

P.S.—The early morning markets given by 2FC and 2BL between 7 and 9 a.m. are the previous day's quotes.

LAZY PEOPLE.

Dear Sir,—Reading of the people of Canberra, who smashed their wireless sets in exasperation ("W.W.," 30/3/28), I could sympathise with them, having been in a similar state of irritation, myself, at different times. But it isn't atmospherics that annoy me—it is Sundays.

No, I don't put the world first, last and always, as "E.J.O." has it. I put religion first by driving 8 miles to church every Sunday, and when I come home I am tortured with religious stuff broadcast for the benefit of persons who are too lazy to walk a few yards (yes, I have noticed that most of the "church hogs"—what else could you call such immoderate people?—live in the suburbs of Sydney or in large country towns.

I know people in this district who drive seventeen miles to church, so smash goes the "poor people in the backblocks" argument. Don't pity us. If we want to go to church, we go, and if we don't want to go, we sit down, as you do, at our wireless sets and make the rest of the world endure it along with us. Anyway, "hogs," how did you get along before wireless sets were invented?

I don't ask for the entire elimination of religion from the air, although that would suit me down to the "earth." And I don't want jazz, although I'd take anything as a substitute for wireless religion. All I ask is one bright session—morning, afternoon or night, whichever the stations prefer singing, jazz, talks (but not religious ones). Just something other than religion for one entire session. Now I ask you, am I unfair?

Yours, etc.,

Trundle. "COUNTRY GIRL."

CONCLUSIVE PROOF.

Dear Sir,—As a constant reader of "Wireless Weekly" since August, 1924, I have always followed your "Safety Valve" columns, with interest. But this is the first occasion I have attempted to voice an opinion on any subject. I would like to join this discussion re Church Services on Sundays. As Sunday is the only day I am at liberty to avail myself of the daytime programmes, I look forward to them with pleasure (not because I am religious) but as a music lover. In my opinion, it is the one day of the week we get some really decent music, such as Organ recitals, by such capable performers as Miss Lillian Frost, Mr. Christian Hellemann, and others, and I am of the opinion that it requires an Organ, and a really good organist, to bring out all the fine tones of compositions by such well-known masters as Beethoven, Brahms, etc. In my opinion it is high time this discussion was closed, as we have had quite an overdose of it lately, and really we have not got anywhere. The fact that each and every ballot taken by the Broadcasting Company's have voted Church Service first place proves conclusively the majority of licence payer's approve of the services. So why not leave well alone? The sport has his his day on Saturday's, which also meets with a great deal of approval, and the Jazz lover is amply catered for. If an item is included in a programme in which I am not personally interested, I console myself with the knowledge that, someone, somewhere is really enjoying that same item, and then again there is always the choice of stations, where, surely, an item that meets with approval can be sought and found. What an impossible task has been set the radio programme compilers (the pleasing of everybody), and from such a problem may all the powers that be, please deliver.

Yours sincerely,

E. J. KENNEDY.

Crow's Nest.

TOO MANY VOCAL ITEMS.

Dear Sirs,—I would like to give my opinion and also make some comments on some letters I have read in the "Safety Valve."

Firstly J. J. Vincent says, we should not be protesting about Sunday programmes as they are, because of the result of a big ballot held some time ago. Well, I do not consider that ballot anything to go by at all. The voting should be limited only to those who are responsible for paying the license fee, not to the fellow who listens-in on the other chaps set, or all other members of the family. I was told by a friend that his children at Sunday school were asked to all write in giving their vote in favor of broadcasting the tuneless row made in the churches. This is no good. I consider the man who pays the license comes first, because only for him there would be no broadcasting at all.

Then there is the letter of B. Boydell who like all his cronies seems to think that all the anti-church man thinks of is jazz, cricket, and racing. Personally I could not listen to jazz for five minutes, the continual thump, thump, thump, gets on my nerves. Cricket and football and racing are as dull as ditch water to listen to, and in my opinion to watch too. Mr. Boydell seems to be very concerned about the interests of invalids and people out back who cannot go to church.

He must remember that the stations must cater for the majority, and I will bet the income derived from this section would not pay the wages of the sweeper of the studio.

Then he talks about people who are too busy on Sunday to go to church. Is that the proper attitude of a truly religious man? Are not you supposed not to work on Sunday, Mr. Boydell?

I can now only repeat some extracts from other writers letters. That a man is out most of Saturday, and in the night time, which leaves Sunday the only whole day for listening-in, and so for this reason the B.C. companies make sure they do not start until 11, and when they do, its not worth listening-in to.

Anyhow they cannot listen-in to two sermons at once, so why not broadcast only one church. Some say there is 2UW and 2GB, etc., but these do not get any license fee and have nothing to do with it. Also many crystal set users cannot hear these low powered stations clearly. I see that 2FC and 2BL have started to co-operate in the morning sessions, so let us hope to next see them turn their efforts in the matter of Sunday programmes.

Finally, I would like to protest against the number of vocal items in the programmes. It is just one song after another. The idea seems to be to get one of every type of voice, from the tenor and soprano down; put them each on several times during the evening, and then grudgingly intersperse a few musical items in between. I suppose there is an abundance of these singers, and so the companies get their services cheap, and so add more profit to their pockets.

Yours etc.,

M.B.

Balmain.

FOR THE CHILDREN.

Dear Sir,—I would like you to give me a little room in your Safety Valve corner. Now there seems a lot of letters re the Sunday church programmes. Well, as I am a regular reader of your little paper ever since it was printed, I would like to bring up steam and say there is not enough church, but too much racing. Now let me see which is most urgent for our children—Racing or Church? When I was south a little while ago, we would get music for a period of five minutes and racing for the remainder of the hour. I used to shut down in disgust until I heard a bit of good music. If we are to shut out our beautiful teaching of Christ. then where are our children going to land. So I say take no notice whatever of church and let's get back to the early stone ages. No, leave the Sunday programmes as they are. If they are to be cut into, then also cut into the race programmes, as we get too much of that. I don't go to church myself, but my family do, and I listen in at home and enjoy it. So I get what I pay my license for, and that is good church music. But, dear Editor, the broadcasting stations cannot please all. They will be pretty good when they can. Hoping I have not taken up too much of your valuable time, but I know good church music when I hear it.

Yours, etc.,

J. C. H. WALDRON.

Papua.

Sydney Programme News

Special Features for April and May

"PAGLIACCI": Excerpts from Leoncavallo's opera will be rendered by Charles Stephens, Norman Janson and Gilda Pattini, all well known and well liked 2FC artists, from the Studio on Thursday night, 26th April.

RAYMOND ELLIS returns to Sydney after his completion of engagements in Melbourne, prior to his departure for America, and has arranged an attractive group of English songs for his appearance at 2FC on Thursday, 26th April.

"TUNE-IN AND LISTEN": A direct invitation from two of 2FC's favorite entertainers, on Friday, 20th April. They have prepared a sparkling act of novel drolleries, the success of which confidently depends on the wise old maxim, "A little nonsense now and then . . ."

A MUSICAL TREAT is in store for listeners on April 22nd, when Mons Stempinsky, the distinguished Polish violinist, will broadcast from 3LO, Melbourne. This artist is already widely known to Melbourne concert audiences, and, like so many of his distinguished fellow countrymen, who have been heard from 3LO, graduated at the Conservatorium at Warsaw, afterwards distinguishing himself in the great musical centres of Europe. The violin used by Mons Stempinsky is one of the genuine Old Masters, has a beautifully rich and sonorous tone, and is one of his most cherished possessions.

"OLD TIME" NIGHT: In this age of extreme modernity, it is strange how old time musical numbers still retain a subtle attraction. Louise Homfrey, possessed of moral courage unusual in the fair sex, emerged triumphant from dusty manuscripts far beyond her apparent years, and added hardy old warriors such as "Knocked them in the Old Kent Road" and "On the Banks of the Wabash" to her items for the special "Old Time" Night, which 2FC is arranging for Monday, 23rd April. The 2FC Studio Orchestra will render a programme of special appeal to lovers of music of a bygone day.

ERNEST McKINLAY has been chosen for the principal role with the Westminster Glee Singers, and sails for America on 5th May. His farewell recital will be given from 2FC on Monday night, 23rd April.

PETER GAWTHORNE, English baritone, who has been recuperating sadly impaired health in the Mountains, pays occasional visits to our "Big Smoke" and will sing from 2FC on Sunday night, 8th April.

BRYAN BARKER, the Sydney University Carillonist, will give a short address from 2FC on Sunday evening, 22nd April. On Anzac afternoon his carillon recital will be broadcast between 4.30 and 5.0 o'clock, after the Dedication Ceremony, at the University.

IF LISTENERS to 2BL took a vote as to their favourite artists, the well-known Ian Maxwell and Peter Gawthorne would be well to the fore. Both these artists are well-known dramatists and have appeared in "Hamlet" and a number of French plays. Their comedy acts, however, seem to delight listeners so much that they are now classed as entertainers.

ANZAC DAY: In the afternoon the Re-union under the auspices of the Returned Soldiers' Mothers' and Wives' Association will be broadcast by 2FC. Assisting artists are W. E. Lewis and Dorrie Ward. At night, Captain Fred Aarons will give a special address, on "The Spirit of Anzac." The musical programme is in keeping with this day of memorial —at once a day of sadness and rejoicing.

DURING the transmission of the Aerial Derby, which was raced over ten miles, in order that listeners should not have to wait when the flyers had vanished from sight, until they appeared again, 2BL stationed another microphone and announcer at Maroubra so that as Mr. Kirke lost sight of the airmen, the description was taken up by the announcer at Maroubra. In this manner listeners were kept fully posted as to the race, which, however, proved very difficult to describe as the rain washed away a good many of the numbers that had been pasted to the 'planes.

ANZAC DAY celebrations, which are to be held in the Domain, Sydney, will be broadcast by 2BL. The ex-State Governor will preside, and with a number of war veterans of the A.I.F. will give speeches appropriate to the Day of Remembrance.

KATHERINE REECE, who is indeed "Princess Charming," in the fullest sense of the word, will tell Goodie Reeve some of her experiences, from the Theatre, on Friday, 20th April. As "Mike of 2FC" will be the third party, listeners will also have an opportunity of enjoying the ten minutes' chat.

TONGAN CHOIR, under the conductorship of Rev. A. H. Wood, M.A., B.D., will render a specially selected programme from the Lyceum on Sunday afternoon, 8th April, between 3 and 4 p.m. The assisting artists are Miss Jessie Winchester and Mr. Robert Turner.

HENRY SILVER continues his Graphology talks from 2FC on Monday night, 23rd April. Last week he gave a clever study of handwriting in relation to matrimony, and pointed out the important part caligraphic characteristics should play in the selection of one's life mate. Brave men to venture into that troubled sea! He was overwhelmed with letters soliciting further information. "I didn't know so many people contemplated getting married," he admitted ruefully.

IT IS DIFFICULT to imagine the value of the Women's Hour Talks, broadcast every morning between 11 a.m. and 12 noon by 3LO, Melbourne, to young inexperienced settlers, especially those given by Mrs. Henrietta C. Walker, who, in speaking on "The Art of being a Settler," gives many practical hints on how to make the best of that which is nearest at hand, especially with regard to bush furniture. Under her instructions, the homely kerosene tins and boxes can be made to serve many purposes, sugar bags are converted into articles both ornamental and useful, and hessian made into artistic curtains, cushions and tablecloths, at a surprisingly small outlay, will brighten the living room of many an outback home.

ECHO OF EMPIRE BROADCAST: During the week, Mr. Oswald Anderson, Manager of 2FC, had a letter from Browning Mummery, written from Milan: "I have just returned from London, where I heard that towards the end of last year, I was among the Australian artists in England to whom greetings were sent by 2FC. I hasten to express my appreciation of these kind sentiments. I hope to have the pleasure of thanking you personally on my forthcoming visit to Australia with the J. C. Williamson Opera Company. I have been absent from Australia for seven years, and am naturally delighted at the prospect of seeing my native land again."

LISTENERS TO 3LO, Melbourne, will accord a hearty welcome to Gordon James, the Adelaide baritone, who is now broadcasting from the studio. For many years Mr. James has enjoyed much popularity in Adelaide as a vocalist of exceptional merit, and has made successful appearances as tenor soloist with the Philharmonic Society, Bach Society, Royal Choral and the Red Cross Festival Choir, to mention but a few. He has a well-trained voice of exceptional range and purity, and a wide repertoire of songs, including many foreign "leider" with Russian national folk songs, which he hopes to introduce into his programme when broadcasting from Melbourne. In Adelaide, Mr. James holds the record of any artist, visiting or resident, for a continuous run at the leading picture theatre, and his vocal items should be much enjoyed by listeners.

THE THEOSOPHICAL broadcasting station, 2GB, seems to have quite a number of admirers in New Zealand, as is indicated every time the New Zealand mail arrives. A listener at Timaru, writing to 2GB this week, remarked on the excellence of an address by Dr. Roest, and commented that his family could hear Dr. Roest (who is a Dutchman) quite plainly say "vitch" for "which."

The correspondent remarks that New Zealand listeners will be looking forward with keen interest to hearing 2GB frequently, now that New Zealand is back to standard time.

The reference is to summer time, which has been kept in New Zealand for the past six months. This made listening to Australian stations rather awkward. New Zealand is always an hour and a half ahead of Sydney time, but under the daylight-saving scheme, the time in New Zealand was 10.30 p.m., when the 8 o'clock programme of the Sydney stations was beginning.

LISTENERS, especially country listeners, will be glad to learn that final arrangements have been made to broadcast the full proceedings of the Combined Smoke Night of the Forces of the A.I.F., which is taking place at the Exhibition Buildings on Anzac Eve, April 24th. This is the first "Smoke Social" of its kind to be held in Melbourne, and great things are expected, and many Diggers, who from innumerable reasons will be debarred from coming to Melbourne to attend this function in person, will be able to "tune in" and listen to the speeches, toasts and musical programme, and thus, per radio, be with their old comrades.

WITH THE commencement of the football season, listeners may expect some exciting and graphic descriptions of matches, broadcast by that all-round athlete and genial sportsman, Rod. McGregor. Few people are better able to undertake this task than Rod, himself a past prominent player of the Carlton Club, and the moving spirit in many of Melbourne's best-known athletic societies. Rod is the essence of optimism: when "kill joys" moan about the "good old days" and say "That times are not what they were in the football world," he breezily replies, "They never were," and then proceeds to illustrate in a very definite way, the many promising young players who are "coming on" to uphold the traditions of this popular game.

ON ANZAC DAY, as usual, a special programme will be provided by "The Diggers" at 3LO, Melbourne, and old time army jokes, songs and choruses will hold pride of place on the programmes, whilst Syd. Exton, with his colleagues, Bobby Pearce and Johnny Marks, will add much to the tunefulness and mirth of the proceedings. Few people are better able to arrange a "digger" programme than these three popular artists, for they not only fought side by side in the trenches, but, after coming out of hospital, they combined forces in quite another direction, and, as entertainers, well within range of the firing line, more than did their bit.

NEWCOMERS to Studio 3LO, Melbourne, are Tilton and West, better known as "The Joy Boys," who are aptly described as "two pages torn from the book of laughter." In addition to possessing excellent voices, "The Joy Boys" are comedians of a very high order, who guarantee to deliver the "somewhat different" brand of humour that audiences have been waiting for, and to introduce topical patter and jokes that will be right up to the minute. According to many favourable press reports, these two happy mirth producers are possessed of the type of tongue that create a laugh with every wag, so their contributions to the programme should be highly appreciated by listeners.

Organise a Radio Dance

Special Programme on 28th for Hospital Saturday Fund.

ALL home-folk owning radio sets in New South Wales are asked to organise a home dance and social evening on Saturday, April 28th, for the benefit of the Hospital Saturday Fund of New South Wales, our well-known charity organisation, which annually appeals for donations for all Metropolitan Public Hospitals and Ambulances.

Broadcasting stations 2FC and 2BL are enthusiastically co-operating, and on April 28th will broadcast a special continuous dance music programme. 2BL will commence at 8 p.m. with Ann Henderson and her Happiness Girls dispensing musical dance cheer, and at 8.45, 2FC will carry on till midnight.

The Hospital Saturday Fund deserves every support. It collects for all of the Metropolitan Public Hospitals, Ambulances, Cancer Homes, Homes for the Dying, T.B. Sanitaria, Women's Hospitals and the Children's Hospital. A contribution to the Fund is a contribution to all of these.

Lowest Expense Rate.

7 per cent. to 10 per cent. is the Fund's collection expense rate. It is lower than that of any similar organisation. Except for some of the office staff, all workers are voluntary. No commission whatever is paid.

Right Method of Distribution.

Each year the money collected is distributed according to the amount of service rendered by institutions to the public—the more beds occupied in a hospital the more money it receives from the Fund. The hospital's efficiency and its economy in management are also taken into account.

There were over 400,000 children, mothers and fathers, in the army of sufferers who found health and happiness in the public hospitals last year. Even more this year ask for relief from pain and disease. Don't let them be turned away through lack of beds. Organise a home dance for the 28th, and have a "throw in" from all who attend. If you want a collection box for use on the occasion, send to Mr. Tom Shonk, Organising Secretary, Hospital Saturday Fund, Commonwealth Bank Chambers, Pitt Street, Sydney.

In any case, let him know that you will be organising a dance evening for the Fund on Saturday, the 28th.

Melbourne Programme News

New Personalities and Features at 3LO

MR. J. HOWLETT ROSS will broadcast a talk on Shakespeare, the man and his works, from 3LO on Monday, April 23rd. As this is St. George's Day, the talk will be particularly timely.

THE MALVERN TRAMWAYS BAND will continue its series of Sunday night concerts on Sunday, April 22nd. Listeners have written expressing their appreciation of the band's renditions, and are looking forward to more concerts by this splendid combination.

COMMUNITY SINGING will be broadcast by 3LO, Melbourne, from the Assembly Hall, Collins Street, Melbourne, on Monday, April 23rd. Among the soloists will be the Hawaiian favorites, Frank and Francis Luiz.

MONDAY, APRIL 23rd, is St. George's Day, and 3LO, Melbourne, has arranged for a programme suitable to the occasion. It will include old English music, discourses on famous English literary men, outstanding among them Shakespeare, and other items calculated to produce a real old English atmosphere.

WHO IS there who is not thrilled by the story of a shipwreck? Judging by the manner in which 3LO listeners look forward to Mr. W. A. Somerset's stories of shipwrecks, there are few indeed. Mr. Somerset will continue his series of yarns on this subject on Sunday evening, April 22nd, and he promises something unusually good.

THERE is one talker at 3LO, Melbourne, Dr. J. A. Leach, who appears to be like the brook with his bird talks —he goes on for ever, apparently, but he is always interesting because he knows his subject so thoroughly, having gleaned his intimate knowledge of Australian birds by life-long studies in their haunts near and far, necessitating at times journeys in remote and unknown parts of our great continent. His talk on Saturday evening, April 21st, will be on "Long Tailed Parrots."

DURING the week commencing April 22nd, Miss Beryl Hayden, the soubrette, will broadcast from 3LO. Listeners are promised something very good.

HINTS on vegetarian cooking will be featured in the Women's Hour programme on Thursday morning, April 26th, from 3LO, Melbourne. Many useful tips on this subject are promised.

MR. J. McRAE, lecturer on psychology at the University of Melbourne, will talk on "The Mind and The Brain," from 3LO, Melbourne, on Tuesday night, April 24th. All interested in this subject should not fail to listen in to an authoritative discourse on it.

GREAT INTEREST centres in the result of the Brighton By-election for the seat in the Legislative Assembly. Progress reports of the polling will be given by 3LO on Saturday, April 28th. This will enable electors all over the state to follow the progress of what promises to be a very keen and close fight.

THE ANZAC DAY march of ex-service men promises to exceed even that of last year, and 3LO will broadcast a detailed description of this inspiring spectacle. Twenty-seven thousand returned soldiers are expected to take part, and there will be about 40 bands. Listeners will hear a full account of the scene as it appears from the saluting base on Parliament House steps.

THE REUNION of Diggers at the Exhibition Building on Anzac Eve, April 24th, is expected to be the largest gathering of returned soldiers ever held in Australia. There will be many ex-service men, however, who will be unable to attend. Because of this, and because of the great public interest in the occasion, 3LO, Melbourne, will broadcast an account of the gathering. Diggers in all parts of Australia will be able to join with their comrades in spirit, if not in person, in this great Anzac Eve reunion. They will hear the old songs of war days, voices that they have not heard for years, and in this way commune with comrades perhaps thousands of miles away.

RUPERT HAZELL and Elsie Day, the popular entertainers, will be among the soloists at the Community Singing on Thursday, April 26th. This alone should make it worth listeners' while to tune in 3LO.

MISS ISOBEL BIDDELL, whose singing has won the praises of 3LO listeners in all States, will sing again from the station on Sunday, April 22nd. Miss Biddell has a captivating contralto voice, which seems particularly well adapted for broadcasting work.

TALKS by Dr. Loftus Hills and Rev. W. Bottomley, each masters of their subjects, will be features of the education hour to be broadcast from 3LO, Melbourne, from 3 p.m. to 4 p.m., on Thursday, April 26th. The hour should be particularly interesting.

THE WOMEN'S HOUR, from 11 to 12 daily, should be particularly interesting on Tuesday, April 24th, because Miss Harris, publicity officer for the Kindergarten Union, will broadcast a talk from 3LO, Melbourne, on kindergarten work on that day. Mothers should not fail to listen in to this talk.

TWO FIRM FAVORITES with 3LO Melbourne listeners are the entertainers Rupert Hazell and Elsie Day. The expression Rupert Hazell gets out of his one-string fiddle is amusing, and the amusing patter and bright dialogues are a feature that never fail to raise a laugh. They will be heard again from 3LO, Melbourne, on Tuesday, April 24th.

WORDSWORTH said that as a log burns better by being turned, so the brain works better for a change of occupation. Every businessman who takes recreation in whatever form can testify to its effect upon the mind and outlook. It is vital for the business man to keep going, and to maintain efficiency he must alternate work and play. All work and no play makes Jack a dull business-man. Mr. P. W. Pearce, the well-known physical culture expert of the Bjelke-Peterson School, will talk upon this important subject at 3LO, Melbourne, on Wednesday, April 18th, at 7.45 p.m.

"Is that set selective?" asked the prospective buyer.

"Selective?" said the salesman. "Why, it's so selective it can tune out one voice of a duet and give you a solo!"

RESULTS of the Fitzroy Pony Races will be broadcast by 3LO, Melbourne, on Monday, April 23rd.

3LO, MELBOURNE, will journey nearly half way to Sydney on Friday, April 27th, to describe races at the Wagga Gold Cup Meeting on that day.

THE V.A.T.C. Races at Caulfield on Saturday, April 28th, will be described by 3LO.

3LO, MELBOURNE, supply listeners on the afternoon of Monday, April 16th, with details of the trotting races at Richmond.

THE RESULT of the Ladies' Fourcared Championship of Australia, to be decided in Sydney on Saturday, April 28th, will be announced by 3LO, Melbourne.

BASEBALL is gaining quite a hold on Australians, and 3LO, Melbourne, will broadcast details of the match between Carlton and Richmond on Saturday, April 28th. An expert on the game, Percy Steele, will be in charge of the microphone, and a thrilling resume of the play is promised.

THE LEAGUE Carlton v. Richmond football match will be fully described by the ex-champion, Rod McGregor, for 3LO, Melbourne, on Saturday, April 28th. Listeners unable to attend the contest will get all the thrills of the game by just tuning in the station.

BOY CHARLTON, the Olympic champion, swam 440 yards in 5 minutes 5¾ seconds on Saturday, March 31st, being actually faster than Arn Borg's world's record of 1925. Subscribe to the Lord Mayor's Olympic Teams' Fund through 3LO, Melbourne, and give Australian athletes a chance to show the world their ascendency in sport.

IT IS UNDISPUTED that the wonderful popularity earned by wrestling in Melbourne last year was due in large measure to the broadcast accounts by 3LO, Melbourne.

Another big wrestling season is mooted, and 3LO has already arranged to describe the clashes every Saturday night. Ted Thye will return for that long awaited match with Ad Santel, and Yokel will come back too. Great clashes are expected when these giants of the mat meet.

In addition seven light-heavyweights, including Italian champion, De Vietche, will wrestle at the Stadium. Strangler Lewis, who defeated Joe Stetcher for the heavyweight championship title, will be among the visitors. Great wrestling nights are ahead.

FOLLOWING on the highly successful studio performance of the song-cycle, "In a Persian Garden," by Liza Lehmann, Madame Ella Kingston is presenting the familiar Woodford-Finden song-cycle, "On Hehlum River," on April 24th, at 3LO. Associated with this popular soprano will be Gertrude Hutton (contralto) and Messrs. Val Woff and J. Ernest Sage (tenor and baritone).

THE FRIDAY of the week following Easter, usually an unlucky day, will belie its reputation in this case, for it brings back to 3LO, Melbourne, Rupert Hazell and Elsie Day. Jack Lumsdaine, the whispering baritone, from the Tivoli, is also to sing. An interesting appearance is that of Madame Heseleva, the Russian soprano; Roy Galloway, baritone, and Beryl Hayden, soubrette, come back the same day.

IN HONOUR of Shakespeare's birthday, which, as everyone knows, is on April 23rd, a special "Shakespearian Programme" will be broadcast from 3LO, Melbourne, in which excerpts from the works of the "Immortal Bard" will be given, together with the incidental music, associated with such favourite plays as "Henry the Eighth" and "The Merry Wives of Windsor." Included on the same programme will be the second half of Verdi's tuneful opera, "Il Trovatore," in which the principals, Madame Elsie Davies, Ina Lilycrap and Margery Robison, Messrs. Charles Evans, John D. Sullivan and Colin Nash will appear. The University Choral Society will render the ensemble numbers, and the whole production, under the capable baton of J. Sutton Crowe, will be one of all round excellence.

Winning Letter in the "How to be Happy though Married" Competition

FROM over 200 letters, received by Miss Beegling, who conducts the 2GB women's session, this letter was awarded the first prize of open order for £2/2/- in the competition, "How to be Happy Though Married."

The letter begins:

"I am writing from experience. I am pleased to give these hints, hoping they will be found valuable. There are, I know, differences in every home, but I think I am about as happy a person as can be found.

"I have been married many years, have a large family, and still feel as young as in my school and studying days.

"I must say that since the day I took my vows at the altar I have honestly tried never to allow anything to come between them, so I would say, first of all, remember your altar vows. Find out what quality your husband admired in you before marriage, and stick to it always. Say to yourself, that in no other house, or place, will your husband find a more cheerful face, or a happier welcome. Try to be patient, kind, and unselfish. Remember it must be give and take. Look for the best in your man. Try to learn to understand your man, not always to expect him to understand you. Remember that in nine cases out of ten a man is what a women makes him. If there was more High Womanhood, there would be Less Low Manhood. Be clean, tidy, and methodical. If needs be, be a fool, one must be wise to be a fool on occasions.

"Be cheery, optimistic. Develop a sense of humour. Become a good cook and housewife; be temperate in all things; become a good listener; believe in yourself. Remember that two wrongs do not make a right. Try to cultivate a happy nature, and take a pleasure in everything good.

"Do not give in to depression; remember that nothing can keep you down, but by your own consent; occasionally count your blessings; fear nobody but God; never forget to tell your man his good points, and try to overlook his failings; be clean minded; speech is a great gift, so do not coarsen it. Give well balanced love freely. Occupy your time well. Don't rush your man with worries as soon as he puts his foot inside the door, wait until the meal is over and he feels rested. Remember that it takes two to make a quarrel; feed your brain, give it thinking; think for yourself; take care of your personal appearance; read, and try to have some recreational study, art or hobby on hand; give yourself some free hours every week, away from all household duties, and away from your man; this gives varied exchange of thought and surroundings. Allow no one to influence you, except for the good; keep in the fresh air and the sunshine as much as possible."

TRADE PAGE

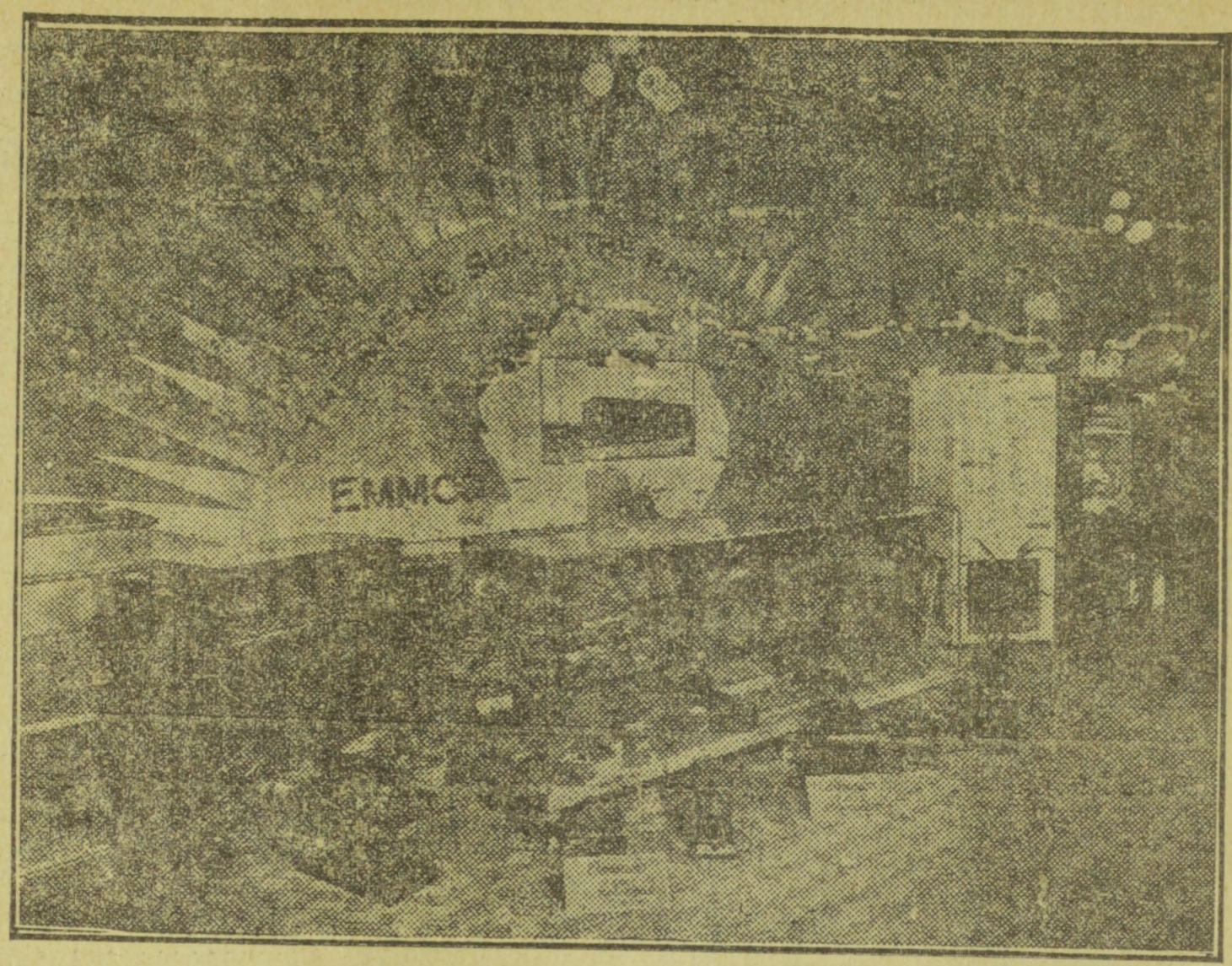
MANUFACTURERS' Products Pty., Ltd., have for some time been suffering from growing pains. Besides securing the extensive additional accommodation in Challis House for head office, the company have added a number of additional hands to their staff. Due to the phenomenal growth of business in Victoria and South Australia, the company have now opened a new Melbourne office which is located at Sugden Place, off Little Collins Street, Melbourne.

Mr. Harry Garratt Lewis, one of the best-known personalities in the wireless world in Melbourne, has been appointed manager, and has already taken over duties. The company aims at greatly increasing the Victorian sales of Emmco products, and all the other lines handled by them—even the largest orders will be fulfilled immediately.

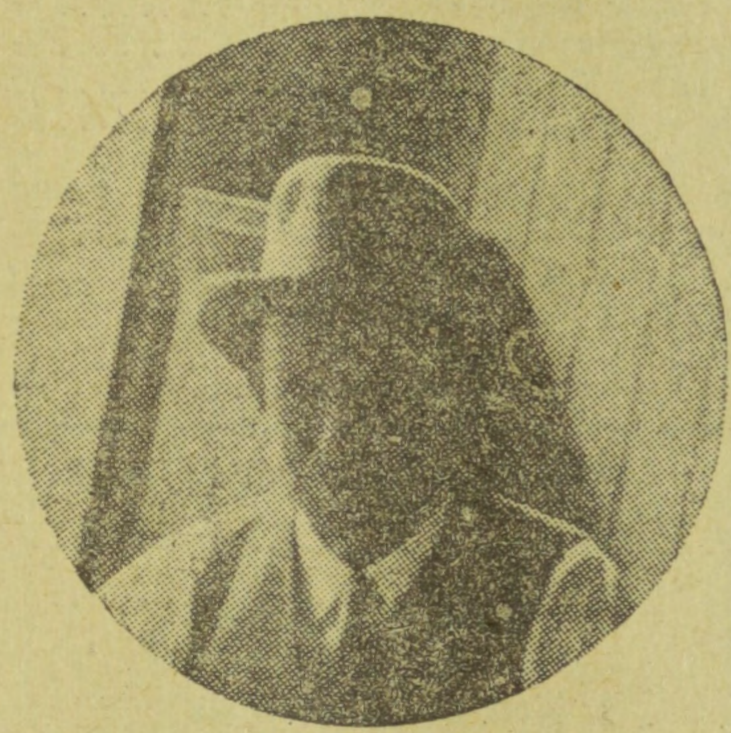
Mr. Lewis, who is 33 years of age, was for over five years manager of the wireless department of Oliver J. Nilson Co., Ltd., in which capacity he made a host of friends in Melbourne, and proved his ability as a business man familiar with the ins and outs of the radio trade.

He is a keen devotee of cricket, but in addition to this sport and to managing the radio department of Nilsons, he was able to find time to extend his activities to the well-known broadcasting station 3UZ, of which service he was manager.

The opening of the new office in Melbourne is not only a tribute to the progressive policy of this company, but is an indication of a much improved service to radio dealers. Large business is expected in the well-known Emmco lines.



The Emmco Exhibit at the Recent Radio Exhibition.



Mr. A. J. Wilkinson, who put the X in Exide, on the Australian market.

The company has acquired the business of the Radio Salvage Company in Sugden Place, off Little Collins Street, Melbourne. The present stocks which are held by the Radio Salvage Company will be disposed of at bargain prices, and Manufacturers' Products Pty., Ltd., will be selling both radio and electrical goods in Sugden Place. Telephone, No. F 2355.

9EK-9XH Airplane Tests.

Considerable international publicity is being given to the tests of the Burgess Radio laboratories conducted in October last.

An airplane equipped with a dry battery operated short wave transmitter left Madison, Wisconsin, on a test flight.

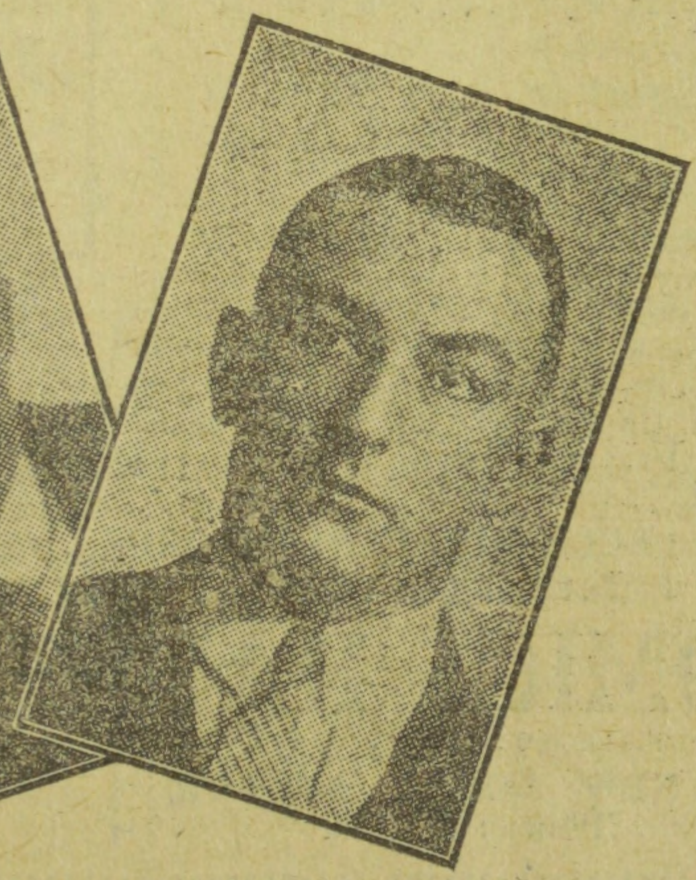
Radio operators within a 300 mile radius of Madison were invited to listen-in, and some astounding results have been reported and will duly be published.

The transmitter and receiver are extremely small and light in weight—weighing under 60 lbs. complete.

Small packages of Burgess Batteries furnished the power supply.

The Burgess Battery Company expect, as soon as tests are completed, to release some extremely interesting publicity concerning the results.

Mr. H. J. Hapgood,



Mr. H. Lewis,

A Fascinating New Way

To Save Money when buying—
A RADIO SET

£6-15-6
PARTS

Parts for CITY MAN'S FOUR in this issue

	£	s.	d.
1 Polished Hard Rubber Panel, 18 x 7 x 3-16in.	0	6	6
2 Quaker .0005 Straightline Condensers, at 9/6	0	19	0
1 Advance .00025 S.L.F. Condenser	0	9	6
1 Philmore Midget Neutralising Condenser	0	4	3
1 Special Reinartz Tuner	0	3	9
1 Bakelite Former, 3 x 3	0	1	0
¼ lb. 26 D.C.C. Wire	0	1	10
3 E.C.S. Plugs and Sockets, at 5d.	0	1	3
1 Wetless Mica Condenser, .0001	0	1	6
1 Wetless Mica Grid Condenser, .00025,	0	1	9
1 .006 Mica Fixed Condenser	0	3	6
1 Eco Radio Frequency Choke	0	5	6
2 .1 Meg. Resistors, at 3/6	0	7	0
1 2 Meg. Gridleak	0	1	0
1 .25 Meg. Resistor	0	3	6
4 Gridleak Holders, at 1/-	0	4	0
1 Crescent 3½ to 1 Transformer	0	13	6
1 B.M.S. Battery Switch	0	1	6
2 Brachstats, at 4/9	0	9	6
2 30 ohm. Rheostats, at 2/-	0	4	0
1 Single Circuit Jack Midget	0	1	0
2 B.M.S. Vernier Dials, at 6/6	0	13	0
2 3in. Plain Dials, at 1/-	0	2	0
10 Engraved Terminals, at 3d.	0	2	6
4 Kelford Anti-vibration Sockets	0	12	0
24 Lengths Sq. Buswire, at 10d. doz.	0	1	8
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1 6 Volt C.A.V. Battery	3	3	0
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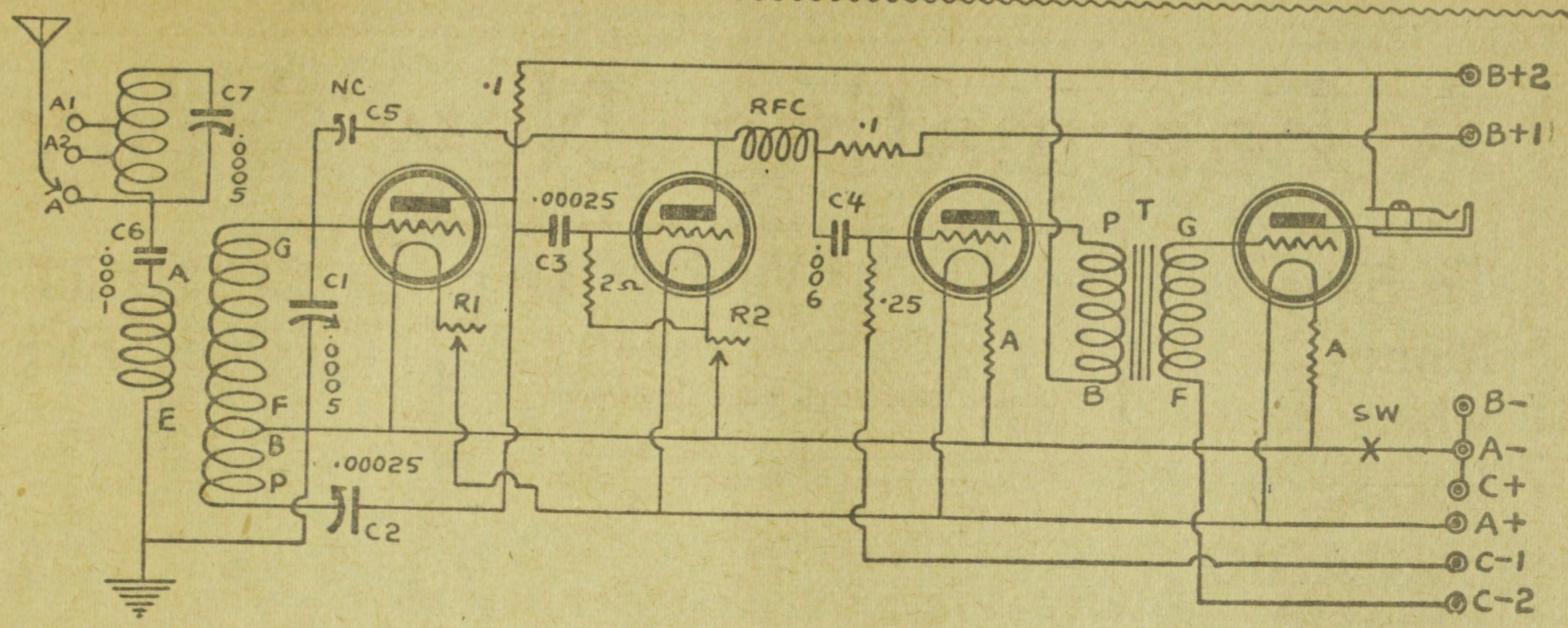


The City Man's Four

Selectivity is undoubtedly of premier importance where the user of a broadcast receiver is situated in close proximity to a high-power station. How often I meet the man who lays out a fair amount of finance on either the construction or purchase of an instrument, and then looks around for relief from local interference! His receiver may be quite an efficient and reasonably selective affair, but the "shock excitation" of the high-power station nearby sounds the knell of doom on his alternative, or long-distance reception. In the country it is a different matter; any old circuit will usually bring in all stations with ease, and without interference; in fact, some of my correspondence sounds like a dream. Communiques like this reach me:—"On my Pl I regularly hear JOAK, KZRM, all Australian A, and most B stations, and often 6WF." That this is undoubtedly correct I would not by any means dispute, for the reason that I have myself had the opportunity of comparing reception in various parts of the country of N.S.W. with reception in Sydney. The comparisons are odious, and the country listener is indeed most fortunate. True, that in some parts of the country he is worried by heavy and almost continuous static! But that condition fluctuates, as it does in the metropolis. Atmospheric conditions, and other unknown factors of earth induction, are responsible for this difference in results between locations. At the same time, good long-distance reception is possible consistently in the city, given the correct apparatus. What of the city man? He may or may not desire to listen to programmes from 3LO, 4QG, or 5CL! More likely he is in most cases content to fill his pipe and sit back in content with the enjoyment of his many local programmes. He has a good and efficient broadcast receiver, but his location may decree that the nearby station is omni-present, and the interfering station is no doubt putting out an excellent programme, yet our listener may particularly desire an alternative local station, owing to the inclusion of a very interesting item to him. There are various ways and means of suppressing or eliminating such interference. Some circuits are naturally highly selective, but the average instrument demands assistance independently.

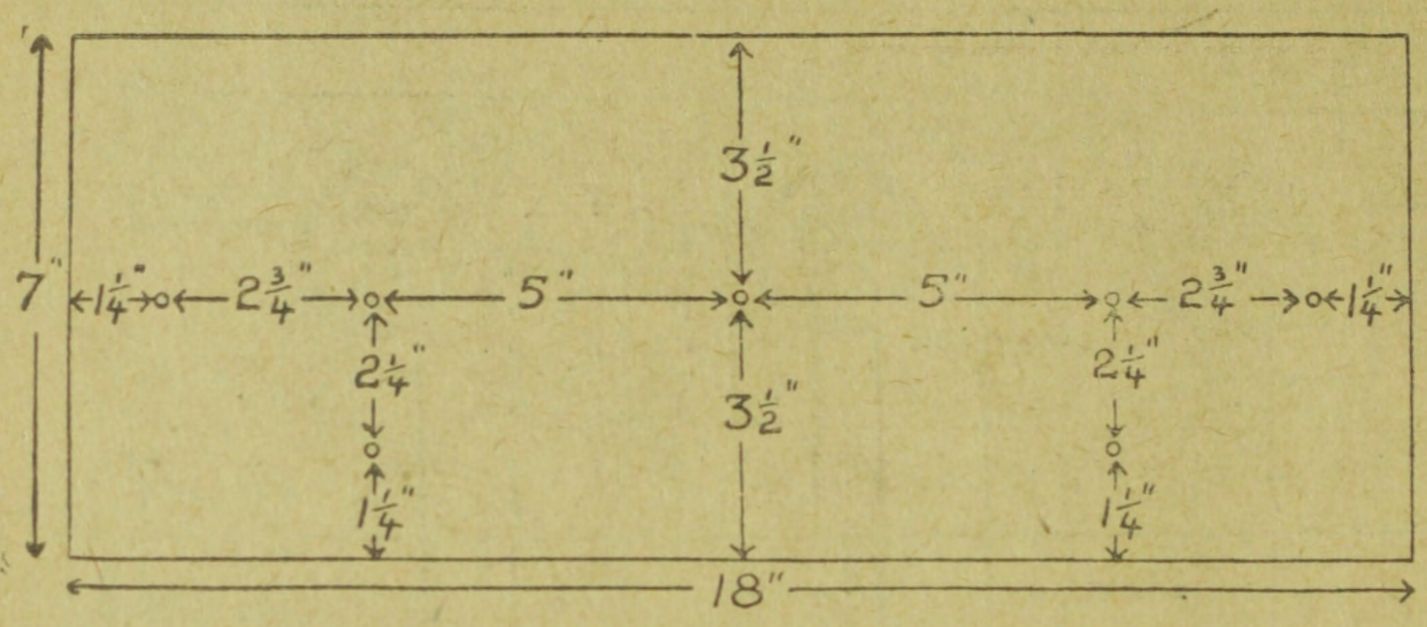
LIST OF PARTS

Although the parts listed below and mentioned throughout the articles were those actually used by us in the receiver described, it must be pointed out that it is not absolutely essential that they be rigidly adhered to.

Other parts of similar quality and technical values should function quite satisfactorily.

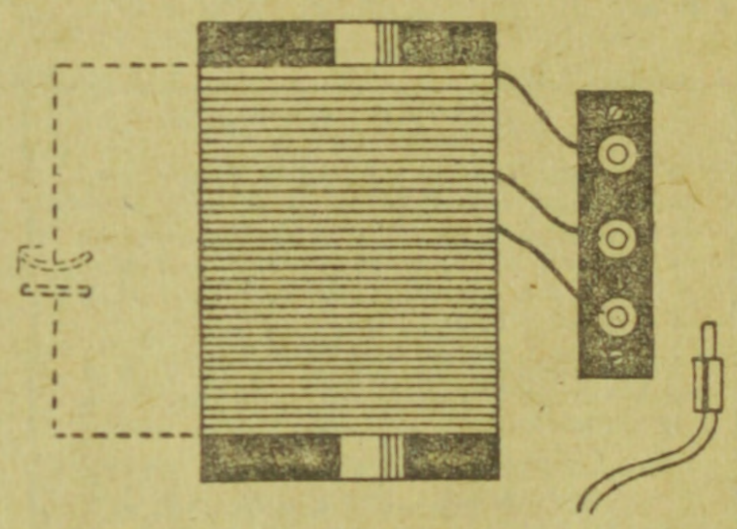
1– Dilecto, Formica or hard rubber panel, 18 x 7 x 3-16.
1– Baseboard, 17½ x 12½in.
2– Emmco or Advance SLF variable condensers, 0005.
1– Emmco or Advance SLF variable condenser, 00025.
1– Midget neutralising condenser.
1– Radiokes Reinartz tuner (alternatively).
1– Former, 3 inches diameter, 3 inches long.
1 – 8-ounce reel, 26 D.C.C. wire.
1– Former, 3 inches diameter, 3 inches long.
3– E.C.K.S. sockets and 1 plug.
1– 0001 fixed condenser.
1– 00025 fixed condenser.
1– 006 fixed condenser.
1–Radiokes R.F. choke.
2– .1 meg. resistances.
1– 2 meg. resistance.
1– .25 meg. resistance.
8– Grid leak clips.
1– 3½ to 1 ratio intervalve transformer.
1– Battery switch.
2– Amperite or Brachstat resistances.
2– 30-ohm. rheostats.
1– single circuit jack.
10– Terminals.
4– Benjamin UX valve sockets.
4– Nickel-headed wood screws. 16's tinned copper wire, solder, etc.
1– Vernier dial, and two 3-in. plain dials.

The "City Man's Four" is here placed before readers, mainly in view of consideration for the exasperated "city man," who is the subject of this dissertation. The evolution of the circuit is due to that very competent English authority, Mr. Percy Harris, who designed such a receiver to satisfy the needs of the man in the metropolis, at close range to the high-powered station. The design was highly successful, and resulted in the production of a receiver which is thoroughly efficient and which makes use of a new constant reaction circuit. By constant reaction is meant that the regeneration coupling remains constant over the whole tuning range. Briefly, the average receiver employing regeneration by the "throttle," or variable capacity method, requires readjustment for almost every change of wavelength on the tuning ocntrol. Not so with the City Man's Four! Once the receiver is balanced and correctly adjusted it becomes virtually a one-control job. A most valuable feature on which I have stressed is the inclusion of a wave-trap in the receiver itself to enable the elimination of the interfering local station. To those familiar with circuit



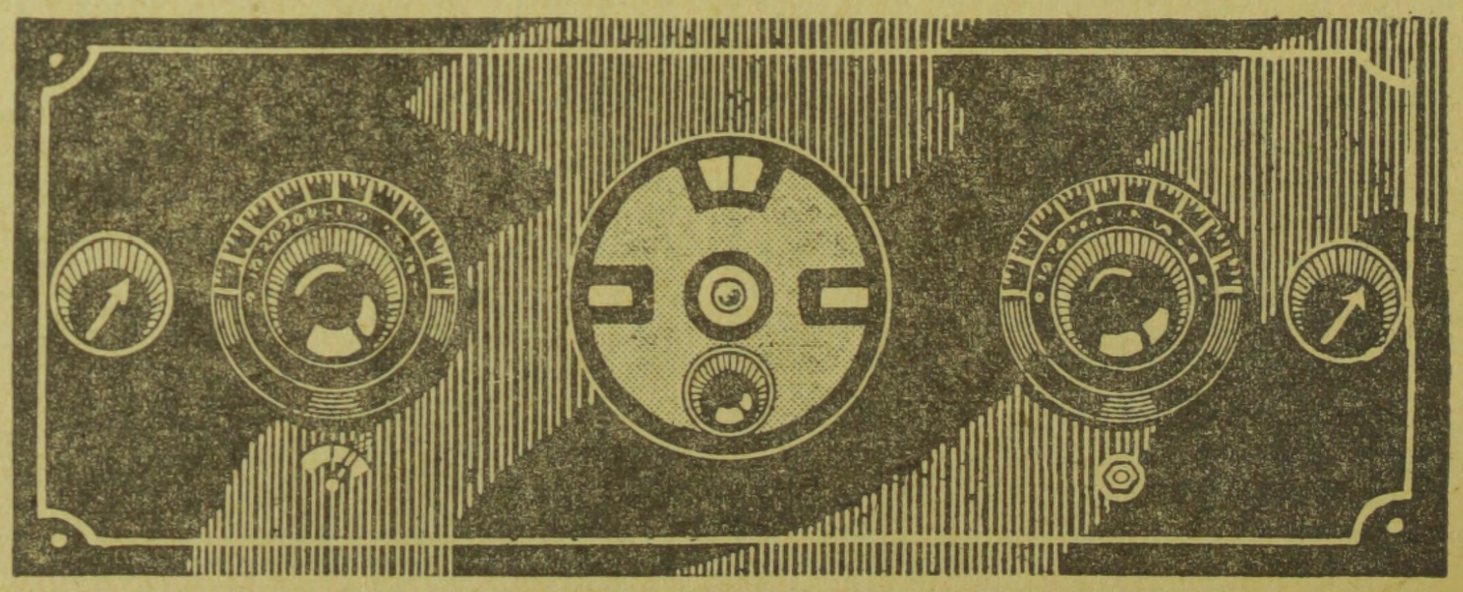
diagrams it will be seen that use is made of the Reinartz method of reaction on the grid circuit of the radio frequency valve with resistance capacity coupling to the detector valve. A small variable or neutralising condenser is connected between the plate of the detector and grid of the radio frequency vavle. By this means the increased efficiency from "feed back" to the R.F. valve is compensated for by the decreased efficiency of the Reinartz method of regeneration—as the wave-length increases! This produces a constant reaction effect over the whole of the tuning scale which is highly desirable and simplifies tuning in the hands of a beginner. The constancy is so that the receiver will work with two, four, or six volt resistance capacity valves, and with different makes of valves, in such a way that once the balancing is done the tuning dial may be simply turned to and fro to pick up a number of stations without any other adjustment. The City Man's Four boils down to a 4-valve receiver having one stage of R.F., detector and two stages of audio amplification, but with a single tuning control The wave-trap is quite a simple affair. There are three socket connections required, which are marked A1, A2, and A respectively in the diagrams.

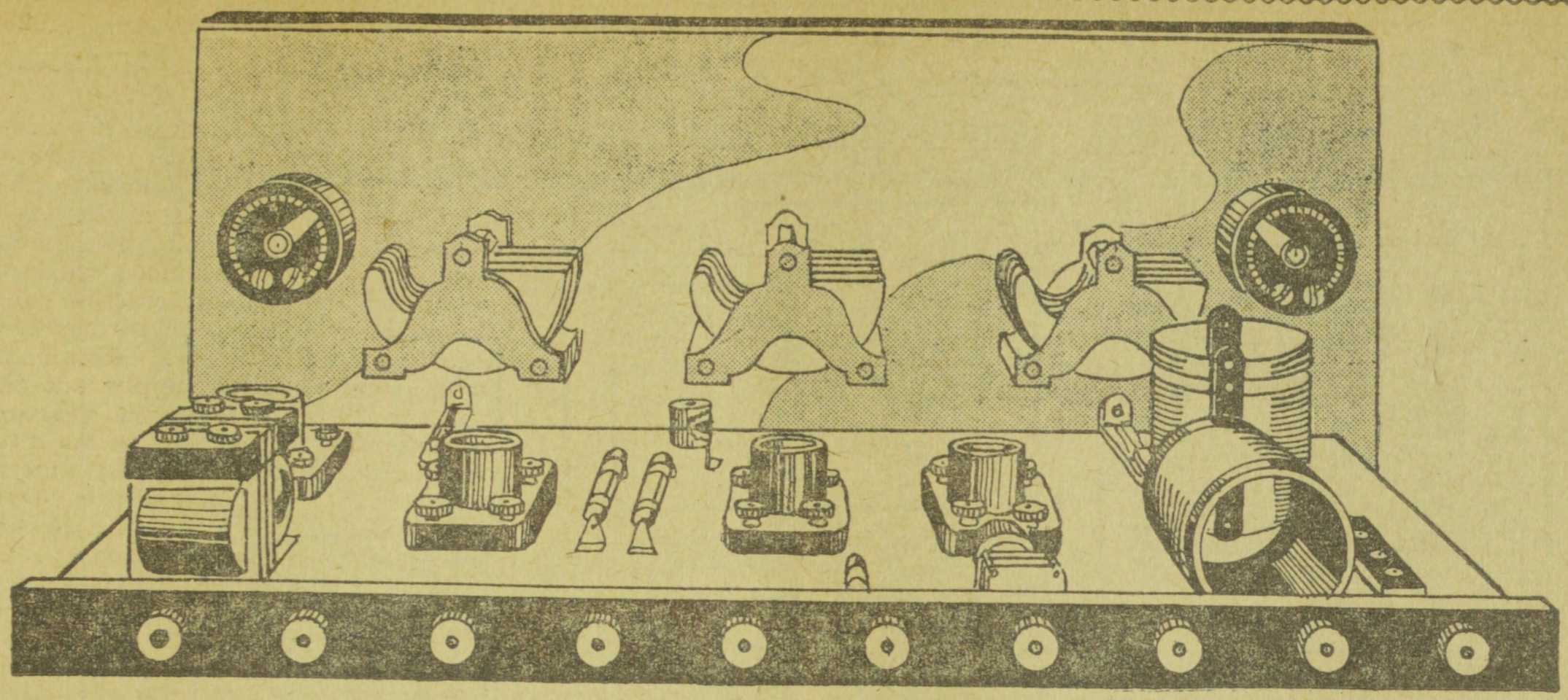
The aerial is connected by means of a short length of flexible wire to a wander-plug, which is inserted at will into one of the three sockets. When the aerial plug is placed in the socket marked A, this leaves the wave-trap out of circuit, but the other two allow a degree of trap-tuning to meet the requirement of any length or capacity of aerial. Of course, if any reader should build this receiver, and is situated more than 30 miles from the broadcasting station the wave-trap will be superfluous. In the "shock" area, however, the trap is indispensable, in order to obtain the required degree of selectivity. Nothing formidable is encountered in the construction of the City Man's Four; in fact, it is no more difficult than the construction of a straightout Reinartz Three. In the instrument described a Radiokes Reinartz tuner was used for the combined R.F. and tuning functions. As this particular unit was designed for use with the Radiokes one-control Reinartz circuit.



it will be necessary to bridge the connections between the grid and reaction coils. This is done by joining together the terminals marked F and B on the unit.

The terminal A of this unit is connected through a 0001 fixed condenser, marked C6 in the diagram, and then either through the wave-trap or direct to the aerial terminal, as required. In case the reader desires to construct his own Reinartz unit, this will be found an extremely simple matter. Obtain a length of Dilecto or Formica tubing, three inches in diameter and three inches long. Measure half an inch from one end, and drill two small holes close together. Starting at the end of the former, wind 25 turns of 26 D.C.C. wire, and loop the wire through these two holes to prevent slipping. This constitutes the aerial coil Next, close to this winding, wind 62 turns of the same gauge wire, with a tapping at the 50th turn. This is a continuous winding, comprising the grid and reaction coils. The tapping at the 50th turn is connected, as shown in the diagram, to the filament negative supply, and the 62nd turn is connected to the reaction condenser C2 to the plate of the first valve, and resistance capacity unit to the detector valve. The wave-trap next demands attention. This is constructed by winding 50 turns of 26 D.C.C. wire on a similar 3-inch former, and by taking tappings at the 40th, 45th and 50th turns. The tappings at 40, 45, and 50 are connected in turn to three sockets mounted on a small strip of Dilecto, and raised from the baseboard by means of small distance pieces. The wave-trap is completed by shunting this coil with a 0005 variable condenser, marked C7. This wave-trap control is located on the front panel, together with the tuning and regeneration controls. It will readily be seen that when the aerial plug is connected to either A1 or A2, as required, the wave-trap becomes effective, but if the plug is inserted in A the wave-trap is cut out. You will require two fixed coupling condensers between the R.F and detector, and detector and first audio stages respectively. The first coupling condenser, C3, has a capacity of 00025, and is used in conjunction with a .1 meg. resistance to the B positive terminal, No. 2. A two-megohm leak is connected to the other side of this coupling condenser from the negative filament terminal of the detector valve. The resistance capacity audio amplifying stage has the conventional 006 fixed condenser C4 used with a .1 resistance and a .25, as shown. A Radiokes radio frequency choke is used between the plate of the detector valve and the resistance capacity amplifying unit in order to prevent the inclusion of stray R.F. currents. Two variable rheostats are provided and control the R.F. and detector valves respectively. Both are of 30 ohms resistance, and it will be found that R1



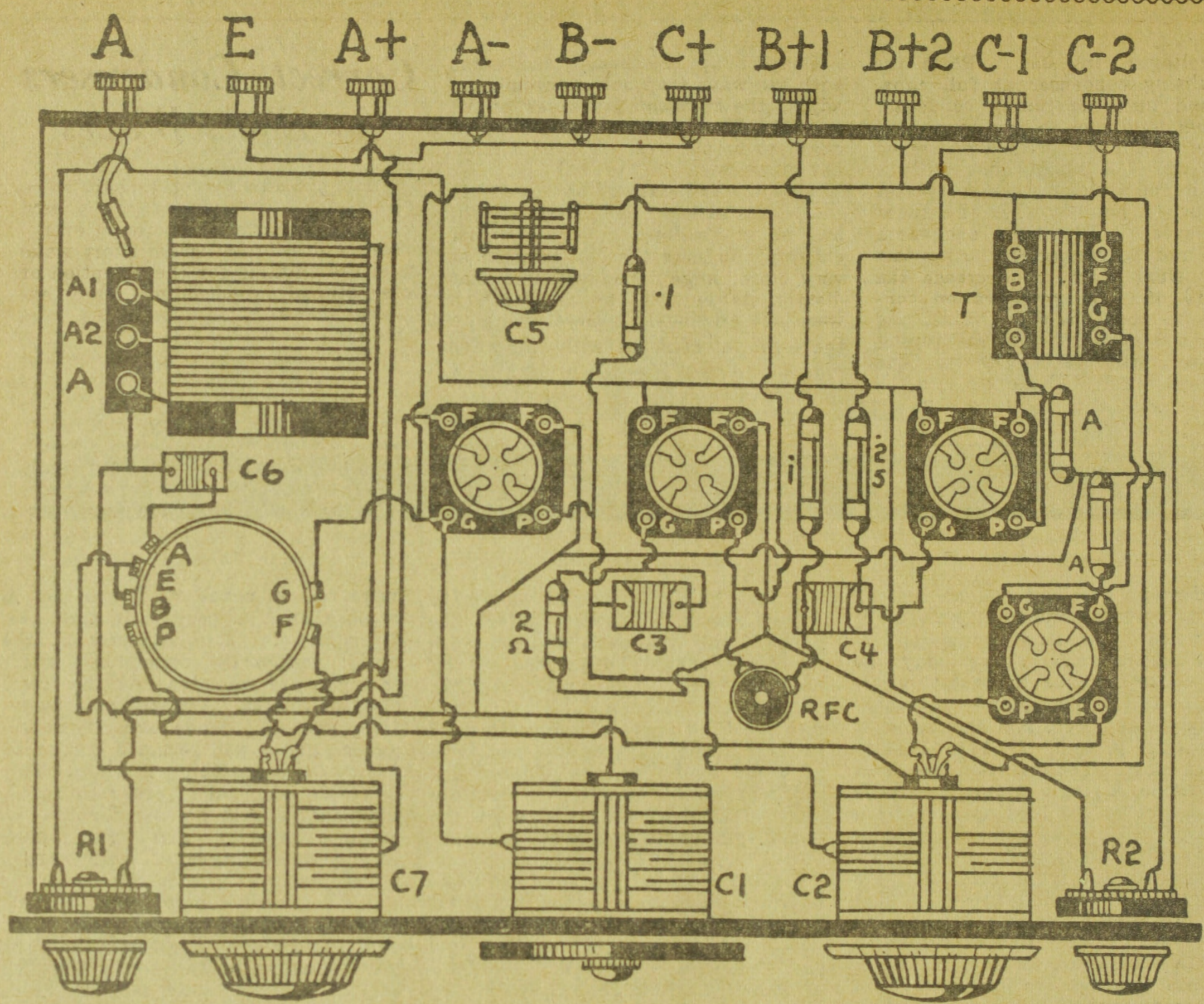


provides an excellent volume control. The two audio amplifying valves are controlled by means of automatic filament resistances. These may be either Amperite or Brachstat resistances. Only one inter-valve transformer is required, and should be of good quality, and of 3½ to 1 ratio at the most. The one used here is a Gecophone. A single circuit jack feeds the output to the loud speaker from the last valve. The neutralising condenser C5 has a capacity of 50 micro-microfarads and is connected between the plate of the detector valve and grid of the R.F. valve. In order to preserve symmetry and at the same time to avoid overcrowding, the wave-trap and the regeneration control condensers are turned by means of plain three inch dials. These are located on either side of the Vernier dial controlling the grid tuning condenser C1. Underneath these two are the filament switch and single circuit jack. The two rheostats are placed on either side of the panel, and in the same line as the other controls. A panel measuring 18 x 7in. will be required together with a baseboard measuring 17½ x 12in. Layout the panel from the template diagram and drill for the controls. Drilling is always a process which should be done with care. It is always advisable to centre-punch lightly the positions to be drilled, otherwise in inexperienced hands the drill may slip and garnish your panel with an unsightly scratch. Do not lay too much weight on the drill, as chipping may occur when the drill breaks through the other side. Most panels obtainable to-day are very solid in their nature, and will stand a lot of rough handling, but there is always the reader who will obtain a cheap quality brittle panel and ultimately regret that he laid too much weight on his drill. It is very disconcerting to split a panel on the last hole! Four nickel-headed screws should be used to attach the panel to the baseboard, and the holes for these should be marked off by holding the panel in position over the edge of the baseboard. Here I will mention that where screws with slots in their heads are used, for any form of panel mounting, the finished job will look much better if the slots are kept in line with the edge of the panel, and not straggling at all angles.

Having mounted the panel and baseboard, it is best to mount the front panel components first, so that the baseboard components may be laid out with ease afterward. The back of panel diagram shows clearly the disposition of each unit. The wave trap is placed on the back edge of the baseboard close to the aerial and earth terminals, and the strip mounting for the plug sockets placed alongside. In close proximity is placed the .0001 fixed condenser C6. The Radiokes Reinartz tuner is placed behind the rheostat R1 controlling the R.F. valve, and the first valve socket V1 to the right and behind. The 4 valve sockets with the resistance capacity unit for the first amplifier and the transformer for the second are all placed in line along the baseboard. The two automatic resistances for the audio stages are arranged alongside sockets V3 and V4. The neutralising condenser C5 is placed behind and in between V1 and V2. The .1 meg. resistance for V2 is placed in front of this. The two meg. resistance, the .00025 fixed condenser and the R.F. choke, are all arranged near to V2 and toward the back of the panel.

Altogether 10 terminals will be required for battery and aerial earth connections. The order along the baseboard from left to right is as follows:—Aerial, earth, A positive, A negative, B negative, B positive 1, B positive 2, C positive, C negative, C negative. Independently of the aerial and earth terminals the remainder are mounted on the usual strip of dilecto. A negative, B negative, and C positive are linked together, and it will be noted that there are two C negative connections. This is really essential in order to obtain independent grid biasing for the resistance capacity and transformer coupled audio stages. The wiring may conveniently be carried out by means of 16's tinned copper wire. This wire is obtainable in small reels. Many constructors are unaware that the wire should not be simply unrolled and used immediately, but should be stretched, and cut into lengths measuring about 2 feet 6 inches. If the wire is used without stretching, the result is invariably a receiver which looks as if a spider had walked across dragging the wires with it. A neatly wired instrument with good right angled bends is a pleasure to behold, but the other kind is distressing to a degree. In many cases when using tinned copper wire, it is advisable to use insulating sleeving or "spaghetti," where wires pass close together or at right angles one over the other. It is quite easy when a receiver is in operation and not fitted into a cabinet to inadvertently press on top of the panel and short wires on the baseboard, thereby consigning to their death two or more perfectly good valves.

Also, one should never tinker about inside a set with a pair of pliers unless all batteries are disconnected. Although it is more expensive, the wiring known as Celatsite or Glazite is the best for the construction of any average set. Commence the wiring by attending to the filament circuits first, as these have the most



complication in wiring. A connection is taken from the A negative to one side of the filament switch and through this to one side of the two automatic filament resistances, and one side of rheostat R2. Instead of continuing to one side of R1, this connection is taken to the negative filament terminal of V1 and to terminal F of the Reinartz unit. This is also connected to the earth terminal and the moving plates of the variable condenser C1. The A positive terminal is connected in turn to the positive filament terminal of V2, V3 and V4, and to one side of the rheostat R1 controlling the R.F. valve. The other side of this rheostat connects to the positive filament terminal of V1. Join up the open sides of R2 and the automatic resistances to the negative filament terminals of V2, V3 and V4. Next from the grid, of the R.F. valve V1, connection is taken to terminal G of the Reinartz unit and the fixed plates of C1. These are also connected to the moving plates of the neutralising condenser T5. Terminal P of the Reinartz unit is connected through to the moving plates of the regeneration condenser C2, and thence to the plate of V1. The plate of V1 is also connected to one side of C3 and the .1 meg. resistance and through this to B positive terminal 2. One side of the single circuit jack and terminal B of the inter-valve transformer are also connected to B positive 2. The fixed plates of the neutralising condenser C5 connect to the plate of the detector valve V2, and through the R.F. choke and the .1 meg. resistance of the first amplifier to B positive 1.; the connection between the radio frequency choke and the .1 meg. resistance is connected to one side of C4, and the other side of this condenser to the grid of V3. For grid biasing purposes on this first amplifier, the .25 meg. resistance is connected to the first C negative terminal on the baseboard. The two meg. leak connected to one side of C3 in the grid circuit of V2 is connected to the filament negative terminal of V2. The plate of V2 is joined to terminal P of the inter-valve transformer, and terminal G to the grid of V4. Terminal F connects to the other C negative terminal. Join up the plate of V4 to the other side of the single circuit jack. The wave trap connections are very clear, and terminal A and the rotor plates of C7 are connected through C6 to the aerial coupling coil of the Renartz tuner, and thence to earth. Many valves may be used for this receiver, but those recommended particularly are of the 4 volt type, being V1, Philips A435, V2 A425, although A415 may be tried here, V3, A425 and V4 B406. In the Osram range, the following valves are suitable, V1, DEH410, V2, DEH410; V3, DEL410; V4, DEL410.

It is, of course, necessary to use a fairly high B. battery voltage with this receiver, and the maximum may be 120 volts. After having checked over the wiring, join up the A and B batteries, putting the maximum voltage on B positive 2 and 100 volts on B positive 1. Place the valves into position and make sure the grid bias is adjusted correctly for the valves

and voltages in use. Place the neutralising condenser at full capacity and turn the tuning condenser C1 from minimum to maximum, and tap the fixed plates with a moistened finger tip. A slight click will be heard in the speaker when the plates are touched, but not when the finger is removed. The aerial and earth should not be connected during this test. Next start to decrease the capacity of the regeneration condenser, to about half the value, and repeat the movement of the tuning condenser, still tapping with the moistened finger. If the set is oscillating, a click will be heard both on touching and removing the finger. Adjust the capacity of the neutralising condenser, and you will find that at one setting, the double click will disappear, and the regeneration condenser may be left set in the one position, still approximating the point of oscillation.

Connect up the aerial and earth with the wave trap out of circuit and adjust the filament voltages of V1 and V2. The local stations should be heard at ample strength over a number of degrees on the dial. Try receiving distant stations by cutting in the wave trap. The adjustment of the dial controlling C7 will almost entirely eliminate the local station at very close range. You will find that distant stations will be heard which were not previously noticed owing to the local interference with the wave trap out. Such a receiver is a boon to the man in the city, particularly the man who lives in a suburb close to a high power station. In conclusion, I trust that this excellent and new type of receiver will satisfy the needs of many of my correspondents who have written to me in despair, regarding interference.

An Excellent Wave-Trap

THIS wave trap is easy to make, and is effective in cutting out the local station when it interferes with interstate reception.

The essential parts are a good .0005 mfd. variable condenser with a slow motion dial or some other vernier movement which allows of fine tuning, and a home-made coil.

These can be mounted on a small panel and baseboard, or in any other convenient method, but it is not advisable to place them on a vacant spot inside the main set, or too near it, as there is then too much risk of coupling taking place, which would ruin the selectivity of the instrument.

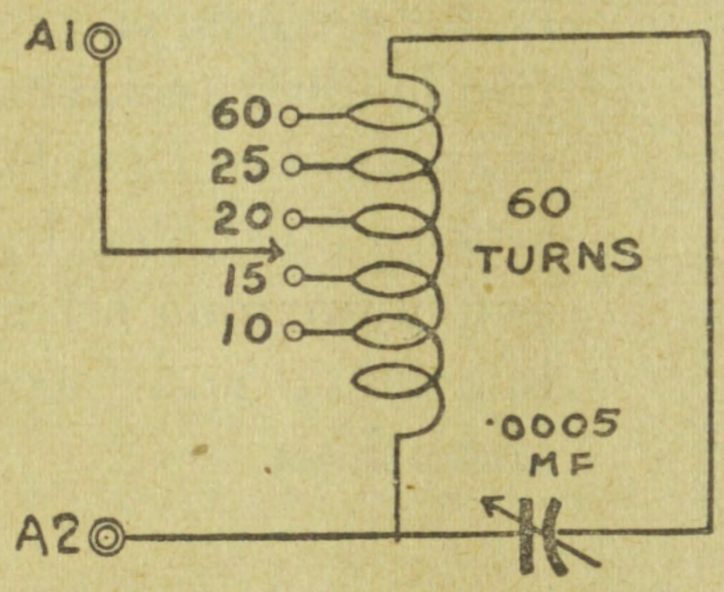
In addition to the condenser, coil, panel, and baseboard, two terminals and a spring clip for tapping the coil will be required.

The coil is made on an ordinary solenoid former, 3-in. in diameter and 3-in. long. (The original coil for this wave trap was wound on an ebonite former.) It consists of 60 turns of No. 22 D.C.C. wire, tapped at the 10th, 15th, 20th, and 25th turns.

At these points the wire is bared so that the spring clip can make contact at the suitable tapping, the clip being fixed by flex to one of the terminals which is called A1.

The other terminal, A2, is joined to the fixed plates of the variable condenser and to the beginning of the coil winding, i.e., to that end nearest to which the first tappings were taken. The moving plates of the varfable condenser are then connected to the end of the coil, that is to say, the end farthest from the tapping points.

This completes the wiring, and in operation, all that is necessary is to connect the trap in series with the set.



First tune in the local station on the main set, and then detune to reduce the volume to about half, then insert the wave trap by connecting the aerial lead to A1, whilst A2 goes to earth terminal of the main set.

Slowly adjust the wave trap condenser until you find the point at which the signals from the local station either fade out altogether, or die away to a whisper.

Then vary the tapping clip and find which turn it should be connected to in order to give the most complete silencing of the local station. Having discovered this, leave the trap alone, and tune on the main set as usual, the difference now being that you will only be able to hear the local station when you are tuned to its wave length.

If using an upright panel and baseboard for the trap, a suitable panel size is 7in. x 6in. with baseboard 8in. x 6in.

Correct Condensers for Short Waves

THE popularity of the short wave bands is increasing day by day, and inquiries are to hand everywhere for information on short wave receivers suitable for the reception of international broadcasting. Many excellent receivers are described from time to time; receivers which give excellent results if only the reader will stick to the specifications outlined by the writer. Many people will construct a receiver with perfectly suitable inductances with loose coupling to the aerial and then spoil the whole thing by the introduction of mechanically and electrically unsuitable condensers for tuning and oscillation control. One great fault is the placing of too great a capacity of tuning condenser across the grid coil, even amounting to a capacity as high as .0005 mfd. The absolute maximum capacity permissible across the grid coil of any short wave receiver is .0001 mfd. This is essential, as a very small change of tuning capacity produces an enormous frequency change on the high frequencies. If too large a condenser is used the resultant tuning will be either critical to a degree or entirely uncontrollable. Some may object to the use of small variable condensers on the ground that the tuning range covered would be inadequate, but this is easily overcome by the provision of separate coil units for each wave band, of which there are several excellent makes on the market. It is often thought that a large variable condenser used in conjunction with a small vernier is satisfactory if the tuning condenser is adjusted to minimum capacity. This is not the case, as the minimum capacity of the combination will be in the neighbourhood of .00001 mfd. It is of great value to use condensers having metal end plates, provided they are connected to the rotor plates and thence to earth; this forms an excellent protection against body capacity effects. There must be absolutely no backlash or end play in the condenser bearings, otherwise the circuit cannot be adjusted accurately, and it will be found when tuning in a station, the relaxation of the fingers on the tuning knob will move the rotor plates and the station will be lost. It is also of great importance to use straight line frequency condensers. By so doing, the signals are spread evenly around the dial, and the tuning is consequently not crowded. The next best type of condenser is the "square law." Condensers for use in short wave work should always be used with a smooth running high reduction vernier dial control.

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BROADCASTING PROGRAMMES for the COMING WEEK

2FC—Coming Features of the Week

Talks

FRIDAY, 20th APRIL:
7.45 p.m.—KATHERINE REECE, principal of the "Prince Charming" Company: Interview by Goodie Reeve.
9.45 p.m.—REV. F. H. RAWARD: "Let's Go Round the World."

SATURDAY, 21st APRIL:
11 a.m.—J. G. LOCKLEY: "Gardening."
9 p.m.—W. F. KAY: "Poverty Point."

Church Services

SUNDAY, 22nd APRIL:
11 a.m.—ST. MARK'S CRURCH OF ENGLAND.
6.20 p.m.—A Talk, by BRYAN BARKER, UNIVERSITY CARILLONIST.
7 p.m.—ST. STEPHEN'S PRESBYTERIAN.

MONDAY, 23rd APRIL:
3.45 p.m.—CAPT. FRED AARONS: "A Call at New Caledonia."
7.45 p.m.—ELLIOTT NAPIER: "The Great Barrier Reef."
8.8 p.m.—HENRY SILVER: "Graphology."

WEDNESDAY, 25th APRIL:
7.45 p.m.—PROFESSOR LOVELL: "Psychology."
8.50 p.m.—CAPTAIN FRED. AARONS: "Anzac."

THURSDAY, 26th APRIL:
7.45 p.m.—AUBREY HALLORAN, F.R.H.S.: "Captain Cook and Kurnell."

Music, &c.

FRIDAY, 20th APRIL:
8.15 p.m.—ALEXANDER SVERJENSKY: Pianoforte Recital.

SATURDAY, 21st APRIL:
8 p.m.—Prologue and incidental music to "Chang," from Prince Edward Theatre.

SUNDAY, 22nd APRIL:
9.30 p.m.—JILL MANNERS, soprano, vocal recital which will include "Lo, hear the gentle lark," with flute obligato, by Neville Amadio.

MONDAY, 23rd APRIL:
8.30 p.m.—2FC STUDIO ORCHESTRA: Special "Old Time Night."

TUESDAY, 24th APRIL:
3.5 p.m.—ORGAN RECITAL, by LILIAN FROST, from Pitt Street Congregational Church.
8.20 p.m.—CHARLES O'MARA, Irish entertainer.

WEDNESDAY, 25th APRIL:
3.30 p.m.—Soldiers' Memorial from Basement of Town Hall.
4.30 p.m.—SPECIAL CARILLON RECITAL from SYDNEY UNIVERSITY.
8.15 p.m.—SYDNEY MALE VOICE CHOIR.

THURSDAY, 26th APRIL:
3.5 p.m.—CHRISTIAN HELLEMANN: Organ Recital.
8.10 p.m.—Excerpts from "Pagliacci."

Comedy, Drama, &c.

FRIDAY, 20th APRIL:
8.20 p.m.—"TUNE IN AND LISTEN"—novelty drolleries.

SATURDAY, 21st APRIL:
9.20 p.m.—BRUNTON GIBB, entertainer.

SUNDAY, 22nd APRIL:
9.30 p.m.—SCOTT ALEXANDER: Sketches.

TUESDAY, 24th APRIL:
8.20 p.m.—EDGAR WARWICK AND EILEEN DAWN: Sketches.

WEDNESDAY, 25th APRIL:
8.20 p.m.—SCOTT ALEXANDER: Sketches.

Friday, April 20

2FC, SYDNEY

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

EARLY MORNING SESSION.
7 a.m. to 8 a.m.

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.—A Reading.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben." Studio music.
11.5 a.m.—A.P.A. and Reuter's Cable Services.
11.10 a.m.—Studio music.
11.15 a.m.—A talk on Home Cooking and Recipes by Miss Ruth Furst.
11.30 a.m.—Close down.

MIDDAY SESSION.
12 noon.—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange, first call.
12.3 p.m.—Official weather forecast, rainfall.
12.5 p.m.—Studio music.
12.10 p.m.—Summary of "Sydney Morning Herald" news service.
12.15 p.m.—Rugby wireless news.
12.20 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.3 p.m.—"Evening News" midday news service.
Producers' Distributing Society's Report.
1.20 p.m.—Studio music.
1.28 p.m.—Stock Exchange, second call.
1.30 p.m.—Studio music.
1.35 p.m.—Richard Parry, bass.
1.40 p.m.—Studio music.
1.55 p.m.—Richard Parry, bass.
2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.
3 p.m.—"Big Ben" and announcements.
3.5 p.m.—A Record Recital.
3.30 p.m.—A talk by "Delisse."
3.45 p.m.—Rita Head, mezzo.
3.50 p.m.—Pianoforte solo by pupil of Miss Bessie Coleman.
4 p.m.—"Big Ben."
Florence Grant, soprano.
4.5 p.m.—A Reading.
4.15 p.m.—Pianoforte solos by pupil of Miss Bessie Coleman.
4.25 p.m.—Rita Head, mezzo.
4.30 p.m.—Studio music: Popular Records.
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Florence Grant, soprano.
4.50 p.m.—Studio music.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.
5.40 p.m.—The Chimes of 2FC.
5.45 p.m.—The "Hello Man" talks to the children.
6.15 p.m.—Story time for the young folk.
6.30 p.m.—Dinner music.
Sporting information told by the 2FC Commissioner.
7 p.m.—Big Ben.
7.10 p.m.—Dalgety's market reports (wool, wheat, stock).

7.18 p.m.—Fruit and vegetable markets.
7.22 p.m.—Weather and shipping news.
7.26 p.m.—"Evening News" late news service.

NIGHT SESSION.

7.40 p.m.—Programme announcements.
7.45 p.m.—Goodie Reeve will interview Kathryn Reece, the new Broadway Star for the "Prince Charming" Company.
8 p.m.—"Big Ben."
Alexander Sverjensky, pianoforte solos:
(a) "Prelude in A Flat Major" (Chopin).
(b) "Prelude in B Major" (Chopin).
(c) "Valse in C Sharp Minor" (Chopin).
8.12 p.m.—Sydney Calland, baritone.
8.20 p.m.—The "Smart Set" Instrumental Trio (Leader, Molly Gant).
8.32 p.m.—"Tune in and Listen."
8.45 p.m.—Alexander Sverjensky, pianoforte solos:
(a) "Sonet of Petrarca" (Liszt).
(b) "Impromptu" (McDowell).
8.55 p.m.—Sydney Calland, baritone.
9.4 p.m.—The "Smart Set" Instrumental Trio (Leader, Molly Gant).
9.15 p.m.—Rev. F. H. Raward:
Talk, "Let's Go Round the World."
9.30 p.m.—"Tune In and Listen."
9.40 p.m.—The "Smart Set" Instrumental Trio (Leader, Molly Gant).
9.50 p.m.—From Her Majesty's Theatre, Sydney: The Second Act of the Musical Play,
"ROSE MARIE,"
featuring Harriet Bennet and Frederick Bentley.
Musical numbers:
Opening Chorus.
Trio, "Only a Kiss," Frederick Bentley, Yvonne Banvard and James Hughes.
Sextette, "Finaletto," Harriet Bennet, Reginald Dandy, Noel Allan, Lou Vernon, Mabel Lambeth and Stephanie Deste.
Empire March and Gavotte.
Song and Dance, "Minuet of the Minute," Harriet Bennet, Frederick Bentley and Stephanie Deste.
Dance, "Wanda Waltz," Stephanie Deste.
(a) Bridal Procession.
(b) Song, "Door of My Dreams," Harriet Bennet and Chorus.
Bridal Finale.
Finale Ultimo.
Scenes:
1. A Novelty Shop in Quebec.
2. Grand Ballroom, Chateau Fontenac, Quebec.
3. Impression: The Cellar of a Hotel on the River Front, Quebec.
4. On a Hill near Kootenay Pass.
5. The Castle.
10.57 p.m.—From the Studio:
To-morrow's programme and late news.
11 p.m.—"Big Ben."
The Ambassadors Dance Orchestra.
11.45 p.m.—National Anthem.
10.57 p.m.—To-morrow's programme and late news.
11 p.m.—"Big Ben."
The Ambassadors Dance Orchestra, in popular numbers until 11.45 p.m.
11.45 p.m.—National Anthem.

2BL, SYDNEY.

Broadcaster's Ltd.
Wave Length, 353 Metres.
FRIDAY, 20th APRIL, 1928.

EARLY MORNING SESSION.
8 a.m. to 9 a.m.

MORNING SESSION.

10.30 a.m.—G.P.O. Clock and chimes.
Musical programme from studio.
11 a.m.—G.P.O. Clock and chimes.
Talk on "Croquet" by Miss Gwen Varley, Broadcasters Womens Sports Authority.
Social Notes—Replies to correspondents.
Talk on "Feeding the Family" by Mrs. Jordan.
12 noon.—G.P.O. Clock and chimes.
Speucial Ocean forecast and weather report.
12.3 p.m.—Musical programme from the studio
12.8 p.m.—Information, Mails, Shipping, and port directory.
12.11 p.m.—Boats in call by wireless.
12.13 p.m.—Fruit Market Report.
12.15 p.m.—Vegetable Market report.
12.17 p.m.—London Metal Market report.
12.19 p.m.—Dairy Farm and Produce Market report.
12.22 p.m.—Forage Market report.
12.24 p.m.—Fish Market report.
12.26 p.m.—Rabbit Market report.
12.28 p.m.—Stock Exchange Report.
12.30 p.m.—H.M.V. Gramophone recital.
1.27 p.m.—Stock Exchange report.
1.30 p.m.—G.P.O. Clock and chimes.
Talk to children and special entertainment for Children in Hospital.
2 p.m.—G.P.O. Clock and chimes.
Close down.

AFTERNOON SESSION.

Racing information broadcast immediately after each race by courtesy of the "Sun."
3 p.m.—G.P.O. Clock and chimes.
Talk by Mrs. Jordan.
3.15 p.m.—Civil Service Stores Trio—direction Miss de Courcey Bremer.
3.30 p.m.—G.P.O. Clock and chimes.
Talk on "Sweets" by Miss Kathleen Jordan.
4 p.m.—G.P.O. Clock and Chimes.
Civil Service Stores Trio.
4.15 p.m.—Talk on "The Women of Ancient Rome."
4.35 p.m.—Musical programme from the studio
4.50 p.m.—News from the "Sun."
4.57 p.m.—Features of evenings programme.
4.59 p.m.—Racing Resumé.
5 p.m.—G.P.O. Clock and chimes.
Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and chimes.
Children's Session.

SPECIAL COUNTRY SESSION.

6.30 p.m.—G.P.O. Clock and chimes.
Australian Mercantile Land and Finance Co.'s report.
Weather report and forecast by courtesy of Govt. Meteorologist.
Producers Distributing Society's Fruit and Vegetable Market report.
Stock Exchange Report.
Grain and Fodder report ("Sun.")
Dairy Produce Report ("Sun.")
N.R.M.A. Report.
6.45 p.m.—Country News from the "Sun."
7 p.m.—G.P.O. Clock and chimes.
Gulbransen Dinner Musuic.
7.30 p.m.—G.P.O. Clock and chimes.
Talk on "Gardening Science" by Mr. Cooper, Park Superintendent, City Council.
8 p.m.—G.P.O. Clock and chimes.
Broadcasters Topical Chorus.
8.3 p.m.—The Rose Bay Winter Garden Orchestra broadcast from the studio.
8.10 p.m.—Miss Hilda Walker, soprano.
8.17 p.m.—The Rose Bay Winter Garden Orchestra.
8.23 p.m.—Miss Grace Savierri, soubrette.
8.30 p.m.—Saxophone solos.
8.36 p.m.—The Rose Bay Winter Garden Orchestra.
8.43 p.m.—Miss Hilda Walker.
8.50 p.m.—The Rose Bay Winter Garden Orchestra.
9 p.m.—G.P.O. Clock and chimes.
Miss Grace Savierri.
9.7 p.m.—Weather report and forecast by courtesy of Mr. C. J. Mares, Govt. Meteorologist.
The sporting editor of the "Sun" will talk on the prospects of Saturday's racing.
9.22 p.m.—The Rose Bay Winter Garden Orchestra.
9.29 p.m.—Miss Madge Clague, contralto.
9.36 p.m.—Violin solos.
9.43 p.m.—Mr. Alfred Wilmore, tenor.
9.50 p.m.—The Rose Bay Winter Garden Orchestra.
9.57 p.m.—Miss Madge Clague.
10.4 p.m.—The Rose Bay Winter Garden Orchestra.
10.11 p.m.—Mr. Alfred Wilmore.
10.18 p.m.—Resume of following day's programme.
10.22 p.m.—Romano's Restaurant Dance Orchestra under the direction of Mr. Merv. Lyons. During intervals between dances "Sun" news will be broadcast.
11.30 p.m.—G.P.O. Clock and chimes.
National Anthem.

2GB, SYDNEY

Theosophical Broadcasting Service.
Wave Length, 316 Metres.
FRIDAY, 20th APRIL, 1928.

MORNING SESSION.

10 a.m.—Music.
10.10 a.m.—Happiness Talk by Alfred E. Bennett.
10.20 a.m.—Music.
10.30 a.m.—Women's Session by Miss Helen J. Beegling.
11 a.m.—Close down.

AFTERNOON SESSION.

2 p.m.—Music.
2.7 p.m.—Address.
2.22 p.m.—Music.
2.37 p.m.—Address.
3 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—Children's Session by Uncle George
6.30 p.m.—Stock and Market reports by New Zealand Loan and Mercantile Agency, Ltd.
7.15 p.m.—Music.
7.30 p.m.—Address.
7.40 p.m.—Music.
8 p.m.—Opening Chorus.
8.2 p.m.—Violin Solos by Mr. Leonard Brewer
8.8 p.m.—Songs by Miss Florence Gordon.
8.15 p.m.—Address.
8.30 p.m.—The Weston Duo:
Steel Guitar Specialists.
8.37 p.m.—Humorous items by Mr. Heath Burdock.
8.47 p.m.—Cornet solos by Mr. Phil Couchman
8.54 p.m.—Songs by Miss Noel Palfreyman.
9.1 p.m.—Violin solos by Mr. Leonard Brewer
9.9 p.m.—Humorous Recital by Mr. Heath Burdock.
9.29 p.m.—The Weston Duo:
Steel Guitar Specialists.
9.36 p.m.—Songs by Miss Florence Gordon.
9.43 p.m.—Cornet Solos by Mr. Phil Couchman
9.50 p.m.—Songs by Miss Noel Palfreyman.
10 p.m.—Close down.

2UW, SYDNEY

Sandel Radio, Ltd.
Wave Length, 267 Metres.
FRIDAY, 20th APRIL, 1928.

EVENING SESSION.

7 p.m.—Studio items.
7.10 p.m.—Where to go, session.
7.14 p.m.—Dinner music.
7.45 p.m.—Vocal and instrumental items.
8 p.m.—News items and shipping intelligence.
8.20 p.m.—Request numbers.
8.45 p.m.—Weather forecast.
8.48 p.m.—Vocal and instrumental items.
9 p.m.—Dance music by courtesy of Morley Johnsons Ltd.
9.55 p.m.—Announcements.
10 p.m.—Close down.

3LO, MELBOURNE

Broadcasting Co. of Aust.
Wave Length, 371 Metres.
FRIDAY, 20th APRIL, 1928.

EARLY MORNING SERVICE.
7.15 a.m. to 8.15 a.m.

MORNING SESSION.

11 a.m.—3LO'S CULINARY COUNSELS, or how to create creature comforts with a minimum of cash.

TOMATO JELLY.

1 pint Tomato pulp or left-over soup.
1-oz. gelatine.
Salt and pepper.
Chopped onion or celery.
1-oz. gelatine.

Soak gelatine in a little cold water. Bring tomato soup to boil, and dissolve the gelatine in it. Strain and pour into little mould and set on ice. Serve with salad dressing and garnish with lettuce and cress, and place a caper on each.

THE GLORY OF THE GARDEN.—Practical Hints on Garden Management. Shape the size of your garden plot in accordance with what time you are prepared to devote to it.

From the outset, make yourself master. Once it gets beyond you, the charm is lost. Run your garden on business lines, adopting from the commencement a methodical plan of action.

11.5 a.m.—FRANCES FRASER:
"Pioneer Women in English Literature."
11.20 a.m.—Musical interlude.
11.25 a.m.—"AU FAIT" will speak on, "Fashions for Women."
11.40 a.m.—Musical interlude.
11.45 a.m.—Under the Auspices of the Public Health Department, Dr. H. N. Seatarby:
"Serums and Vaccines."

MIDDAY NEWS SESSION.

12.0 noon.—Melbourne Observatory Time Signal.
12.1 p.m.—Metal Prices received by the Australian Mines and Metals' Associations from the London Stock Exchange this day; Reuter's and the Australian Press Association Cables; British Official Wireless News from Rugby; "Argus" News Service.

MIDDAY SESSION.

12.20 p.m.—THE GYPSY PLAYERS:
"Ballet Music from Faust"—Part I. (Gounod).
12.30 p.m.—MINA HESELEVA, Soprano:
"Mazurka" (Chopin-Viardot).
"Vainka's Song" (Von Stutzman).
12.37 p.m.—Stock Exchange Information.
12.40 p.m.—AGNES FORTUNE, Piano:
Selected.
12.47 p.m.—THE GYPSY PLAYERS:
String Quartette, "Serenade" (Hadyn).
1.0 p.m.—MELBOURNE OBSERVATORY TIME SIGNAL.
1.1 p.m.—AMBROSE McMAHON, Baritone:
"Invictus" (Hahn).
"Sincerity" (Clarke).
1.8 p.m.—Meteorological Information; Weather Forecast for Victoria, Tasmania, South Australia, and New South Wales; Ocean Forecast; River Reports.
1.15 p.m.—THE GYPSY PLAYERS:
"Trio."
1.22 p.m.—MINA HESELEVA, Soprano:
"Polonaise"—Mignon (Thomas).
"Snow Maidem" (Rimsky-Korsakoff).
11.30 p.m.—THE GYPSY PLAYERS:
"Ballet Music from Faust"—Part II. (Gounod).
1.38 p.m.—AMBROSE McMAHON, Baritone:
"Star of Bethlehem" (Stephen Adams).
"Believe Me" (Moore).
1.45 p.m.—Close Down.

NOTE.—The result of the University Rowing Championship Final will be given during the afternoon.

AFTERNOON SESSION.

2.15 p.m.—THE STATION ORCHESTRA:
Selection, "The Bohemian Girl" (Balfe).
"The Little Old Clock on the Mantle" (Wheeler).
2.25 p.m.—JACK LUMSDAINE, Whispering Baritone (by permission of Tivoli Theatres, Ltd.):
"Baby Mine."
"Bungalow and You."
2.32 p.m.—THE STATION ORCHESTRA:
"Um peu d'amour" (Silesu).
"March Militaire" (Schubert).
2.40 p.m.—BERYL HAYDEN, Soubrette (by permision of J. C. Williamson, Ltd.):
"Sad Endings" (Jackson).
2.47 p.m.—THE STATION ORCHESTRA:
Selection, "Miss Hook of Holland."
3.0 p.m.—Melbourne Observatory Time Signal.
3.1 p.m.—FRANCES FRASER, will speak on:
"Travels with Munchhausen and de Rougemont."

While men met with very real adventure in unknown lands, and the account of their travels, though true, seemed stranger than fiction, there were some travellers who drew on their imagination and imposed absurd and ridiculous tales on their readers—like Othello, who told of "Anthropophagi and men whose heads do grow beneath their shoulders." Of this class of traveller there was one famous example in the eighteenth century, and another in the nineteenth century. These were Munchhausem and de Rougemont."

3.15 p.m.—THE STATION ORCHESTRA:
"Melodies from 'My Lady Frayle'" (Finck)
3.25 p.m.—ROY GALLOWAY, Baritone (by permission of J. C. Williamson, Ltd.):
Selected.
3.32 p.m.—THE STATION ORCHESTRA:
"Indian Love Lyrics" (Finden).
"My Blue Heaven" (Donaldson).
3.45 p.m.—RUPERT HAZELL AND ELSIE DAY:
"Harmonylarity."
4.0 p.m.—ORGAN RECITAL, by C. E. MONTEATH, F.R.G.O., A.R.C.M., transmitted from St. Peter's Church:
"March Upon a Theme of Handel" (Guilmont).
"Cantilene Pastorale" (Guilmont).
"Choral Prelude" (In Thee Joy), (Bach).
"Andantino in D Flat" (Lemare).
"Triumphal March" (Lemmens).
FROM THE STUDIO:
4.25 p.m.—ROY GALLOWAY, Baritone:
"The Moors of Devon."
Selected.
4.32 p.m.—THE STATION ORCHESTRA:
"African Dances" (Ring).
4.37 p.m.—BERYL HAYDEN, Soubrette (by permission of J. C. Williamson, Ltd.):
Impersonations.
4.44 p.m.—Weather Forecast from Adelaide; Weather Forecast for Mildura District.
4.45 p.m.—THE STATION ORCHESTRA:
Old Time Melodies.
4.53 p.m.—JACK LUMSDAINE, The Radio Rascal:
"Dew, Dew Dewey Day."
"Calling."
5.0 p.m.—"Herald" News Service; Stock Exchange Information.

EVENING SESSION.

6.0 p.m.—Answers to Letters and Birthday Greetings by "BILLY BUNNY."
6.20 p.m.—"BOBBY BLUEGUM" will have a sing-song with the children—listen for his newest song! Do you remember his motto? "Be the fellow your Mother thinks you are."
6.40 p.m.—"BILLY BUNNY" will continue his
"Stories of the Australian Bush."
7.0 p.m.—Official Report of Newmarket Stock Sales, by the Associated Stock and Station Agents, Bourke Street, Melbourne.
7.5 p.m.—The "Herald" News Service; Weather Synopsis; Shipping Movements.
7.12 p.m.—Stock Exchange Information.
7.17 p.m.—Fish Market Reports, by J. R. Borrett, Ltd.; Rabbit Prices.
7.19 p.m.—River Reports.
7.21 p.m.—Market Reports, by the Victorian Producers' Co-operative Co., Ltd.; Poultry, Grain, Hay, Straw, Jute, Dairy Produce; Potatoes and Onions; Market Reports of Fruit by the Victorian Fruiterers' Asosciation; Retail Prices; Wholesale Prices of Fruit by the Wholesale Fruiterers' Association; Citrus Fruits.

NIGHT SESSION.

7.30 p.m.—Under the auspices of the Department of Agriculture, L. C. BARTELS, senior irrigation officer:
"Irrigated Agriculture—Preparing ground for sowing permanent crops."
. . . the voice of that fitful song, sings on and is never still."—Longfellow.
7.45 p.m. — COLLINGWOOD CITIZENS' BAND:
March, "Mixxology."
Overture, "Barber of Seville."
7.52 p.m.—OLIVER PEACOCK, baritone:
"Do you know my garden" (Haydn Wood).
"West of the Great Divide" (Ball).
8 p.m.—H. K. LOVE:
"Technicalities."

Mr. Love will be glad to attend to your wireless difficulties, and we ask you to write to him for any information you may require.

8.10 p.m. — COLLINGWOOD CITIZENS' BAND:
Selection of Gilbert and Sullivan Works.
8.17 p.m.—BERYL HAYDEN, Soubrette (by permission J .C. Williamson, Ltd.):
"Castles in the air" (West).
8.24 p.m. — COLLINGWOOD CITIZENS' BAND:
Cornet and euphonium duets.
"Excelsior."
"List to the Convent Bells."
8.34 p.m.—ERNEST SAGE, baritone:
Selected.
"Two Grenadiers" (Schumann).
8.41 p.m.—RUPERT HAZELL AND ELSIE DAY, will entertain you in
"Harmonylarity."
8.55 p.m.—THE GYPSY PLAYERS:
"Hiawatha's Wedding" (Coleridge Taylor).
9.5 p.m.—MINA HESELEVA, soprano:
"Angel guard Thee" (Godard).
With violin obligato by Bertha Jorgenson:
"Huguenotes" (Meyerberr).
9.12 p.m.—BERTHA JORGENSON, violin:
"A Tale" (Coleridge Taylor).
9.20 p.m.—ERNEST SAGE, baritone:
"O, pure and tender star of eve" (Wagner).
"O, thank me not" (Mallinson).
9.27 p.m.—THE GYPSY PLAYERS:
"Death of Minihaha" (Coleridge Taylor).
9.34 p.m.—MINA HESELEVA, soprano:
"Ave Maria" (Gounod).
With 'cello obligato by Helga Brennicke.
"The Star" (Rogers).
9.41 p.m.—THE GYPSY PLAYERS:
"Hiawatha's Wedding," Part 2 (Coleridge Taylor).
9.50 p.m.—"AINTREE" will speak on
"To-morrow's races."
10 p.m.—JACK LUMSDAINE, the radio rascal (by permission Tivoli Theatres, Ltd.):
"There must be a silver lining."
"That's my Mammy."
10.7 p.m. — COLLINGWOOD CITIZENS' BAND:
Intermezzo, "Penelope's Garden."
10.14 p.m.—"Argus" news service. Meteorological information. British official wireless news from Rugby. Road notes, supplied by the ROYAL AUTOMOBILE CLUB OF VICTORIA announcements.
THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS:

"When installing chains on the rear wheels, instal them on both wheels or none at all. Only one chain may result in a serious accident. Chains on all four wheels help the steering of the car."

10.26 p.m.—BERYL HAYDEN, soubrette:
Selected.
10.32 p.m. — COLLINGWOOD CITIZENS' BAND:
Cornet solo, "Your eyes have told me so."
10.40 p.m.—JACK LUMSDAINE, whispering baritone:
"Hello, Helen."
"Yesterday."
10.47 p.m. — COLLINGWOOD CITIZENS' BAND:
"Russian Lullaby."
Selected.
11 p.m.—OUR GREAT THOUGHT:
"If we do not plant knowledge when young, it will give us no shade when we are old."—Chesterfield.
THE SHRINE OF REMEMBRANCE:
"A man's first care should be to avoid the reproaches of his own heart, his next, to escape the censures of the world.—Addison.

Never let it be said that Victorians have in any way forgotten those who did not return from the Great War.

11.1 p.m.—THE VAGABONDS.
11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

Associated Radio Co.

Wave Length, 484 Metres.

FRIDAY, 20th APRIL, 1928.

MORNING NEWS SESSION.
11 a.m. to 12 noon.

MIDDAY CONCERT SESSION.
12 noon to 1 p.m.

Transmitted from Panatrope House, 252 Collins Street (by exclusive permission of Wills and Paton, Ltd.), on the Brunswick Panatrope.

MATINEE SESSION.

ORCHESTRAL DANCE CONCERT.

2 p.m.—Ayarz Dansonians.
A half-hour Dance Session by Melbourne's favorite Dance Band. All the latest popular hits, each one announced prior to its presentation.
2.30 p.m.—Melbourne Concert Orchestra:
"Ballet Russe" (Luigini).
"My Desire" (Cadman).
2.45 p.m.—Miss Alice Mallon, soprano:
"You in a Gondola" (Clarke).
"Sapphic Ode" (Brahms).
2.53 p.m.—Melbourne Concert Orchestra:
"Gounod Fantasie" (Urbach).
3.10 p.m.—Miss Alice Mallon, soprano:
"Mattinati" (Tosti).
"I'm a longin' fo' you" (Karl Fuhmann).
3.18 p.m.—Ayarz Dansonians.
3.30 p.m.—Interval announcements.
3.35 p.m.—Interval talk on Cookery in the Home.
3.45 p.m.—Melbourne Concert Orchestra:
"Serenata Lamentona" (Humphries).
Selection, "Sunny" (Kern).
4 p.m.—G.P.O. Clock says "Four."
4.1 p.m.—Second weather forecast.
4.3 p.m.—Miss Valerie Walsh, contralto:
"Fuchsia Tree" (Roger Quilter).
"The Bitterness of Love" (James Dunne).
4.10 p.m.—Miss Ethel Brearley, piano:
"Refrain de Berceau" (Palmgren).
4.14 p.m.—Melbourne Concert Orchestra:
Suite, "Rustic Revels" (Percy Fletcher).
"In the Ruins" (Kempinski).
4.30 p.m.—Miss Valerie Walsh, contralto:
"Spring Sorrow" (John Ireland).
"Honey Chile" (Lily Strickland).
4.38 p.m.—Ayarz Dansonians.
4.50 p.m.—To-night's Entertainment. Announcements.
5 p.m.—G.P.O. Clock says "Five."
"God Save the King."

CHILDREN'S SESSION.

6.30 p.m.—3AR's Cousin Peter.

EVENING SESSION.

BALL ROOM AND CONCERT HALL.

7.15 p.m.—Health Session: Mr. George Beattie, Principal of the Beattie College of Physical Culture, on "Physical Fitness."
7.30 p.m.—Captain Lingham will speak about his exploits in the air in connection with Sky Advertising.
7.40 p.m.—Miss Betty Ross Clarke, leading lady in "The Bride," will give a talk from her dressing room.
7.45 p.m.—Sport Session: "Harlequin" presents his budget of news and comments on Sport of the Day.
7.50 p.m.—Macnamara's Stock Reports.
8 p.m.—G.P.O. Clock says "Eight."
8.1 p.m.—Melbourne Concert Orchestra:
"Melodious Memories" (Finck).
8.18 p.m.—Miss Beth Corrie, contralto:
"Come, gentle night" (Elgar).
"A Spirit Flower" (Campbell Tipton).
8.26 p.m.—Ayarz Dansonians.
8.42 p.m.—Miss Beth Corrie, contralto:
"Lament of Isis" (Granville Bantock).
"The Ash Grove" (Welsh Air).
8.50 p.m.—Announcements.
9.2 p.m.—Melbourne Concert Orchestra:
Suite, "Don Quixote" (Safranek).
"Canzonetta" (Tschaikowsky).
9.17 p.m.—Mr. C. Richard Chugg, flute:
"Claire de Lune" (Debussy).
9.21 p.m.—Ayarz Dansonians.
9.31 p.m.—"Harlequin": Sports results.
9.39 p.m.—Melbourne Concert Orchestra.
9.50 p.m.—Announcements.
10 p.m.—G.P.O. Clock says "Ten."
10.1 p.m.—Semi-Final Weather Forecast, specially for our country listeners.
10.3 p.m.—Mr. Michael Connelly, Irish baritone:
"The Irish Emigrant" (Barker).
"The Harp that Once" (Moore).
10.11 p.m.—Melbourne Concert Orchestra:
"In a Lover's Garden" (Ketelbey).
10.26 p.m.—Mr. Michael Connolly, Irish baritone:
"The Meeting of the Waters" (Traditional).
"She is Far from the Land" (Lambert).
10.33 p.m.—Ayarz Dansonians.
10.45 p.m.—"Harlequin": Sport results.
10.50 p.m.—"Age" News Bulletin, exclusive to 3AR.
10.58 p.m.—Final weather forecast.
10.59 p.m.—Our Australian Good-night Quote is taken from the poem, "The Old Bush School," by John O'Brien.
11 p.m.—G.P.O. Clock says "Eleven."
"God Save the King."

4QG, BRISBANE.

Queensland Radio Service

Wave Length, 385 Metres.

FRIDAY, 20th APRIL, 1928.

MORNING SESSION.
10.30 a.m. to 11.30 a.m.

MIDDAY SESSION.

1 p.m.—Market reports; weather information; "The Daily Mail" and "The Daily Standard" news.
1.30 p.m.—Lunch hour music.
1.58 p.m.—Standard time signal.
2 p.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—A programme of music by the Studio Orchestra (conductor, Mr. A. R. Featherstone), including—
Overture:
"Life's a Dream" (Eilenberg).
Contralto Solo:
Selected.
Miss Vera Parker.
Valse:
"Wooing of the Waves" (Braham).
Characteristic:
"The Birds and the Brook" (Stults).
Saxophone Solo:
"Supplication" (Guarente).
Minuet:
"The Devil's Serenade" (Purner).
Contralto Solo:
Selected.
Miss Vera Parker.
Selection:
"Robin Hood" (Wiegand).
March:
"Over the Top" (Crosby).
4.15 p.m.—"The Telegraph" news.
4.30 p.m.—Close down

EARLY EVENING SESSION.

6 p.m.—Mail train running times; "Daily Standard" news; weather information; announcements.
6.15 p.m.—Dinner music.
6.30 p.m.—Bedtime stories by "The Sandman."
7 p.m.—Special news service; market reports; stock reports.
7.30 p.m.—Weather news; announcements; "Daily Standard" news.
7.43 p.m.—Standard time signal.
7.45 p.m.—To-morrow's racing reviewed.

NIGHT SESSION.

To-night's programme has been arranged by Mr. Erich John.

8 p.m.—GROUP 1—GRAND OPERA:
Instrumental:
"March" (from "Aida"—Verdi).
String Trio.
"Gipsy Chorus" (from "Preciosa"—Weber).
Double Quartette.
Solo:
"Ye Powers that Dwell Below" (from "Alceste"—Gluck).
Miss Audrey Bell, contralto.
"Fays and Elves" (from "Martha—Flotow).
Double Quartette.
A Thought for To-night:
"A Universal God."
Will. H. Lister.
Instrumental:
"Serenade" (from "Millions of Arlequin"—Drigo).
String Trio.
GROUP 2—NEAPOLITAN FOLK SONGS:
"Santa Lucia."
Double Quartette.
Duet:
"Tiritomba."
Miss Mildred Bell, contralto, and Mr. Albert Falk, baritone.
Soprano solo:
"O Lowly Window."
Miss Mabel Malouf.
"Funiculi Fanicula."
Double Quartette.
Instrumental:
"Serenade" (Toselli).
String Trio.
GROUP 3—SACRED:
"Blessed are the Merciful" (Vicars).
Double Quartette.
Duet:
"Spirit Divine" (Beach).
Miss Maebl Malouf, soprano, and Mr. Geo. Williamson, tenor.
Solo:
"His Almighty Hand" (Hamblen).
Mr. Albert Falk, baritone.
"O Father Almighty" (Ogden).
Double Quartette.
Instrumental:
"Cavatina" (Raff).
String Trio.

Part II.

GROUP 4—CLASSICAL:
"Gipsy Life" (Schumann).
Double Quartette.
Duet:
"Cloe's Warning" (Beethoven).
Miss Mael Malouf, soprano, and Miss Mildred Bell, contralto.
Tenor Solo:
"New Love, New Life" (Beethoven).
Mr. Jack Lord.
Instrumental:
"Military March, No. 1." (Schubert).
String Trio.
GROUP 5—CHARACTERISTIC:
Solo:
"The Spinning Wheel" (Hartley).
Miss Maye Hughes, soprano, and Double Quartette.
Solo:
"Clock Song" (Wassell).
Mr. Tom Ryan, bass, and Double Quartette.
Duet:
"Jolly Shepherd" (Rowley).
Misses. Mildred and Audrey Bell, contraltos.
"The Fox Hunt" (Wheeler).
Double Quartette.
Instrumental:
"The Swan" (Saint-Saens).
String Trio.
GROUP 6—LIGHT OPERA:
"Finale of First Scene" (from "Chu Chin Chow" Norton).
Double Quartette.
Duet:
"Poaching" (from "The Dairy Maid"—Rubens).
Messrs. Jack Lord and Walter Land, tenors.
"If You'll Come to Tea" (from "The Geisha"—Jones).
Double Quartette.
Instrumental:
"Country Dance" (from Nell Gwyn"—Ed. German).
String Trio.

A RADIO NOVELTY—"A TEST FOR QUICK WITS."

The latter portion of to-night's programme will take the form of the third of a series of four Radio Novelties, which are being presented to listeners over a period of four weeks.

Those who are interested in the novelty should arm themselves with a piece of paper and a pencil, and should listen carefully to the preliminary instructions which will be given from the station at the commencement of the Radio Novelty.

10 p.m.—From the Studio:
Radio Novelty, "A Test for Quick Wits."
10.30 p.m.—From the Studio:
"The Daily Mail" news; weather news.
Close down.

5CL, ADELAIDE.

Central Broadcasters, Ltd.

Wave Length, 395 Metres.

FRIDAY, 20th APRIL, 1928.

MIDDAY SESSION.

12 noon.—G.P.O. Chimes.
12.1 p.m.—"Advertiser" News Service and British Wireless news.
12.30 p.m.—Musical numbers on the Studio "Recreator."

Tungar

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It's a G.E. Product
backed by
G.E. Prestige

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Tungar is simplicity itself. It simply taps the current from your electric light socket or power point—rectifies it—and pours it into your battery. All you do is plug into the socket and connect up your battery "A" or "B."

You can leave it to charge your battery while you sleep or listen-in. Need not even disconnect your battery from your set. Tungar cannot blow your valves.

Take battery charging into your own hands and free yourself of battery troubles for life. The new reduced price of £7 for the 2 amp. Tungar brings it within reach of practically everyone—for remember Tungar is the product of the great General Electric Company and built not simply to sell but to give years of service.

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CANBERRA

AUSTRALIAN GENERAL ELECTRIC
Australian General Electric Company, Ltd
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53 King Street, NEWCASTLE.

611 Dean Street
ALBURY

12.50 p.m.—S. C. Ward and Co's Stock Exchange Intelligence.
12.57 p.m.—Meteorological information.
1 p.m.—G.P.O. Chimes.
1.1 p.m.—Musical numbers on the Studio "Recreator."
1.57 p.m.—Meteorological information.
2 p.m.—G.P.O. Chimes and close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Chimes.
3.1 p.m.—Musical numbers on the Studio "Recreator."
3.30 p.m.—Menu talk.
3.45 p.m.—Musical numbers on the Studio "Recreator."
4.57 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.
5 p.m.—G.P.O. Chimes and close down.

EVENING SESSION.

6 p.m.—G.P.O. Chimes.
6.1 p.m.—Children's entertainment by the 5CL Radio Family.
6.30 p.m.—Dinner Music on the Studio "Recreator."
6.50 p.m.—General Market reports by A. W. Sandford and Co., A. E. Hall and Co., Dalgety and Co., S.A. Farmers Co-operative Union, Taylor Bros., Interstate Fruit and Produce Market Co. Ltd. Retail Grocers Association.
7 p.m.—G.P.O. Chimes.
7.1 p.m.—"Windbag's" Sporting Service.
7.8 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.
7.15 p.m.—Football talk by "High Mark."
7.25 p.m.—Studio Orchestra.
7.35 p.m.—Don Wildsmith, baritone:
"The Old Sidecar" (Airlie Dix).
"Devonshire Cream and Cider" (Sanderson).
7.42 p.m.—Studio Orchestra.
7.53 p.m.—Don Wildsmith, baritone:
"Maire, My Girl" (Aitken).
7.56 p.m.—Studio Orchestra.
8 p.m.—G.P.O. Chimes.
8.1 p.m.—Relay—Selections by Malcolm Reid and Co.'s Orchestra.
8.15 p.m.—Jean Sinclair, countralto:
"Three Fishers" (Hullah).
"My ain Folk" (Lemon).
8.22 p.m.—Orchestral selections by Malcolm Reid and Co.'s Orchestra.
8.30 p.m—Musical Sketch by Marjorie and Norman Shepherd.
8.42 p.m.—Orchestral selections by Malcolm Reid and Co.'s Orchestra.
9.1 p.m.—Meteorological information, weather forecast, Dalgety's Wheat report.
9.2 p.m.—British Wireless news.
9.8 p.m.—Jean Sinclair, Contralto:
"You along o' Me."
9.11 p.m.—Studio Orchestra.
9.18 p.m.—Vera Clarkson, soprano:
"Spring's Awakening" (Sanderson).
"Sing Joyous Bird" (Phillips).
9.26 p.m.—Studio Orchestra.
9.34 p.m.—Musical monologue by Norman Shepherd.
9.39 p.m.—Vera Clarkson, soprano:
"One Little Hour" (Evelyn Sharp).
9.42 p.m.—Studio Orchestra.
9.50 p.m.—Marjorie Shepherd, soprano, Operatic Excerpts.
9.56 p.m.—Studio Orchestra.
10.1 p.m.—"Advertiser" news service.
10.10 p.m.—Racing anticipations by "Windbag."
10.20 p.m.—Studio Orchestra.
10.26 p.m.—British Wireless News.
10.34 p.m.—Relay from Glenelg, The Maison Dance Band.
10.55 p.m.—To-morrow's programme and weather forecast.
11 p.m.—G.P.O. Chimes and National Anthem.

6WF, PERTH

Westralian Farmer's.

Wave Length, 1250 Metres.

FRIDAY, 20th APRIL, 1928.

MIDDAY SESSION.

12.30 p.m.—Tune in.
12.25 p.m.—Markets, News and Cables.
1 p.m.—Time signal.
1.1 p.m.—Weather notes, supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—Studio Quintette, conducted by Mr. Val Smith.
2 p.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—Tune in.
3.35 p.m.—Organ music relayed from the Grand Theatre, Murray Street
Vocal and instrumental numbers from the Studio.
4.30 p.m.—Close down.

EVENING SESSION.

6.45 p.m.—Tune in.
6.50 p.m.—Stories for the Kiddies by Uncles Henry, Bertie and Duffy.
7.20 p.m.—Stocks, Markets, News.
7.45 p.m.—Racing talk by the Sporting editor of "Truth" Newspaper Co.
8 p.m.—Time signal.
8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
Station announcements such as alterations to programmes, etc.
8.3 p.m.—Popular Night.
Musical programme from the studio, including vocal and instrumental artists.
Items by the Misses Mason and De Boulay, Instrumental Duo, of the s.s Katoomba.
Vaudeville items by Ed. Warrington's Revue, relayed from the Luxor Theatre.
9.35 p.m.—Health talk by Mr. H. S. Hatton, Principal of Hatton's Physical Culture School.
10 p.m.—Late News items by courtesy of "The Daily News" Newspaper Co.
Ships within Range announcement.
Weather Report and Forecast.
10.30 p.m.—Close down.

104.5 METRE TRANSMISSION.

Simultaneous broadcast on 104.5 Metres of Programme given on 1250 metres, commencing at 6.45 p.m.

7ZL, HOBART

Tasmanian Broadcasters, Ltd.

Wave Length, 516 Metres.

FRIDAY, 20th APRIL, 1928.

MORNING SESSION.

11 a.m.—G.P.O. Clock chimes the hour.
11.1 a.m.—Special Midlands Weather forecast.
11.5 a.m.—British Official Wireless news.
11.10 a.m.—Mercury morning news service.
11.30 a.m.—Shipping information.
Ships within wireless range.
Mail notices.
Commercial news.
Foreign Exchange markets.
Produce sales. Housewives guide.
Railway Sales.
11.45 a.m.—Musical selection.
11.50 p.m.—Whats Doing.
Amusement guide.
11.55 a.m.—Tasmanian Weather station 9 a.m. report.
12 noon.—G.P.O. Clock chimes the hour.
Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Clock chimes the hour.
3.1 p.m.—Musical selection.
3.5 p.m.—Hobart Stock Exchange quotations.
Weather information.
Items of interest.
3.15 p.m.—Selections by 7ZL Studio Trio:
March, "Sunshine" (Bennett).
"If Winter Comes. (Tennant).
"Musical Telegrams" (Rubach).
Clarionet solo, Selected. Mr. Arthur Young.
"Punch and Judy" (Vivier).
Selection, "Floradora" (Stuart).
Pianoforte Solo. Selected. Mr. A. Roberts.
Violin Solo. Selected. Mr. E. J. McCann.
4.15 p.m.—Educational Talk.
4.30 p.m.—Close down.

EARLY EVENING SESSION.

6.30 p.m.—Children's Corner with the Radio Lady.
7 p.m.—Uncle Hectors' half hour.

NIGHT SESSION.

7.30 p.m.—Fruit, Poultry and Produce reports, through the courtesy of Robertus and Co. Ltd.
7.35 p.m.—Chat on to-morrows Football Prospects.
7.50 p.m.—Mercury special Tasmanian news service.
Railway auction produce sales.
Weather forecasts.
Hobart Stock Exchange quotations.
8 p.m.—G.P.O. Clock chimes the hour.
8.1 p..m—Broadcast by Direct wire from Lyceum Club Hobart.
Weekly Lecture.
Concert from the Studio:
Miss Elsie Lampkin, soprano.
Miss Beryl Scetrine, soprano.
Miss Ruby Piesse, accompanist.
Mrs. M. Green, soprano.
Miss L. Brookwell, pianoforte solo's.
Mr. Harry Foster, baritone.
9.40 p.m.—British Official Wireless news.
9.50 p.m.—Mercury special interstate news service.
Ships within wireless ruange.
Tasmanian District weather reports.
9 p.m. Weather reports.
Travellers week-end information.
Tasmanian District weather reports
Station announcements.
Saturday's programme.
10 p.m.—Close down.

Saturday, April 21

2FC, SYDNEY.

EARLY MORNING SESSION.
7 a.m. to 8 a.m.

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.—A talk on Racing by the 2FC Commissioner.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben."
A.P.A. and Reuter's Cable Services.
11.5 a.m.—A talk on Gardening by Mr. G. J. Lockley ("Redgum").
11.30 a.m.—Close down.

MIDDAY SESSION.

12 noon.—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange.
12.3 p.m.—Studio music.
12.10 p.m.—"Sydney Morning Herald" news service.
12.15 p.m.—Rugby wireless news.
12.20 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.3 p.m.—"Evening News" midday news service.
1.15 p.m.—Studio music.
2 p.m.—"Big Ben."Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.
3.5 p.m.—From the Parramatta River on the occasion of the Great Public Schools, Head of the River, Regatta:
The finals of the first and second Fours and the Senior Eights will be described by Roger Fitzhardinge, Interstate and International oarsman.
Note: During the intervals of G.P.S. Regatta descriptions, the following musical items will be given:
Tom Foggitt, novelty pianist.
Peggy Shaw, soubrette:
"Sunshine."
"Two Little, True Little."
Nancye McGilchrist, violinist.
From the Ambassadors:
The Ambassadors Dance Orchestra, conducted by Al. Hammet.
4.45 p.m.—Complete sporting resume.
5.10 p.m.—Close down.

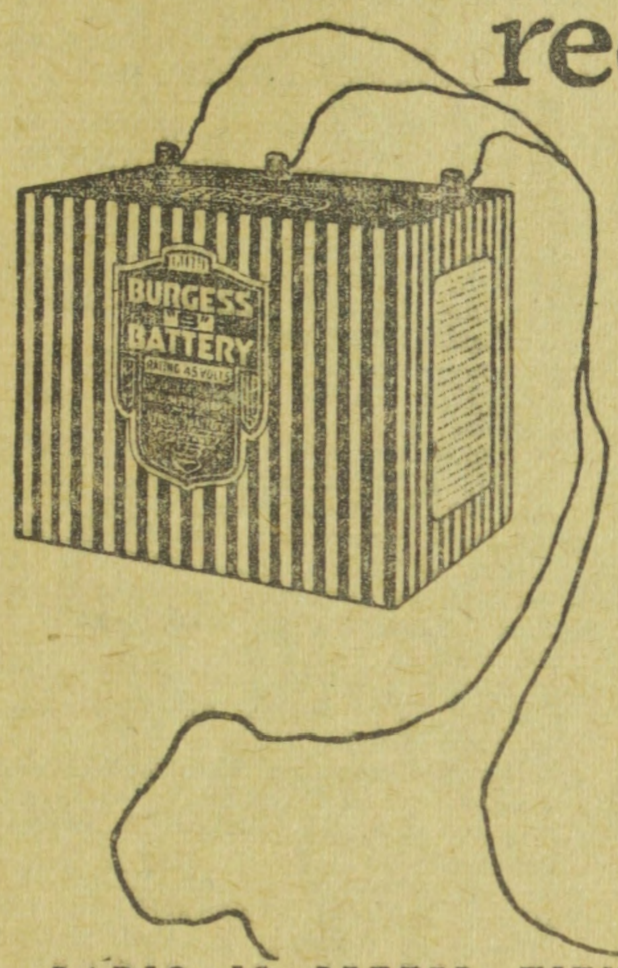
EARLY EVENING SESSION.

5.40 p.m.—The Chimes of 2FC.
5.45 p.m.—The "Hello Man" talks to the children.
6.15 p.m.—Story time for the young folk.
6.30 p.m.—Dinner music.

CHROME

THE PRESERVATIVE

As remarkable as the record back of it



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Happy though Married!

An old bachelor once wrote a book about the best way to be happy, though married, but the divorce courts were just as full afterwards.

The best way I know of is to put in a good wireless set—something polished and pretty. I did, and the result is that my wife has turned life into a dainty sandwich, and there is no matrimonial indigestion as a result.

She begins the day by reducing exercises, following directions by radio. Personally, it seems slightly indelicate to be exercising in a dressing-gown before a loud-speaker—but I wisely refrain from comment.

Cooking, scrubbing, dusting, bed-making, etc., are all done to music, and eleven o'clock tea is spent beside the wireless. The day seems half the length to her, and twice as interesting.

In the evening, we visit band concerts, theatres, political meetings, the stadium, and a motor race—all by wireless.

The only rift in the wireless lute came from foolish economy on my part. I bought a cheap battery, which crackled, and ran down. What my wife said about the battery should have given her ten days, without the option. I paid more in mental anguish than the cost of ten first-class batteries.

Finally, I bought the very best dry battery on the market—the good old Burgess—and now my life is a mixture of rose petals and cream; which taught me for the ninth time that you cannot satisfy a woman with cheapness. Whether it is a hat, or a coat, or a radio battery, she must have the best.

Secretly, I am convinced that my wife believes her only instance of faulty taste was in the choice of a husband. But she has refrained from saying so, since that happy day I brought home the Burgess. Go thou and do likewise.*

7 p.m.—"Big Ben." Late sporting news.
7.15 p.m.—Weather intelligence.
7.18 p.m.—"Evening News" late news service.
7.28 p.m.—Studio music.

NIGHT SESSION.

7.40 p.m.—Programme announcements.
7.45 p.m.—W. F. Kay will continue his series of Theatrical talks:
No. 2: "Poverty Point III."
8 p.m.—"Big Ben."
From the Prince Edward Theatre, Sydney:
1. Introductory music by Prince Edward Concert Orchestra, conducted by Albert Cazabon.
2. Incidental music to "Solitudes," a Fox variety subject.
3. Eddie Horton, world-famed Organist, at the Wurlitzer Orchestral Organ in special novelty numbers.
4. Incidental music to the Cartoon, "Rail Rode."
5. Violin solos by Albert Cazabon. Accompanist, Paul Vinogradoff.
6. Incidental music to the Picture, "Find the King."
7. Albert Cazabon and Concert Orchestra in "Operatic Gems."

Vocalists:
Molly de Gunst, soprano.
Aneurin J. Morris, tenor.
Lionel Lunt, baritone.

9.5 p.m.—From the Studio:
Late weather forecast.
9.6 p.m.—Cyril Monk, violinist.
9.14 p.m.—Norman Francis, tenor.
9.21 p.m.—Alexander Sverjensky, pianoforte solos:
(a) "Prelude in A Flat Major" (Chopin).
(b) "Prelude in B Major" (Chopin).
(c) "Valse in C Sharp Minor" (Chopin).
9.31 p.m.—Frank Chapman, comedian.
9.38 p.m.—Cyril Monk, violinist.
9.46 p.m.—Norman Francis, tenor.
9.54 p.m.—Brunton Gibb, entertainer.
10.2 p.m.—Frank Chapman, comedian.
10.10 p.m.—Alexander Sverjensky, pianoforte solos:
(a) "Sonet of Petrarca" (Liszt).
(b) "Impromptu" (McDowell).
(c) "Dance Rustique" (Boscoff).
10.20 p.m.—Brunton Gibb, entertainer.
10.30 p.m.—Late weather forecast.
10.31 p.m.—Harrison White, banjo solos.
10.38 p.m.—From the Ambassadors:
The Ambassadors Dance Orchestra. Conductor, Al. Hammet.
10.48 p.m.—From the Studio:
Harrison White, banjo solos.

2BL, SYDNEY.

SATURDAY, 21st APRIL, 1928.

EARLY MORNING SESSION.
8.0 a.m. to 9.0 a.m.

MORNING SESSION.

11.0 a.m.—G.P.O. Clock and Chimes; Social Notes by Mrs. Jordan. Talk on "Simple Cooking for Children," By Mrs. Jordan.

AFTERNOON SESSION.

Racing information broadcast immediately after each race, by courtesy of the "Sun."
12.0 noon.—G.P.O. Clock and Chimes; Special Ocean Forecast and Weather Report.
12.3 p.m.—Musical Programme from the Studio.
12.20 p.m.—News from the "Sun."
12.25 p.m.—Sporting and Athletic Fixtures.
12.27 p.m.—What's on at the Pictures and Theatres.
12.30 p.m.—Musical Programme from the Studio.
12.40 p.m.—News from the "Sun."
12.50 p.m.—Musical Programme from the Studio.
1.0 p.m.—G.P.O. Clock and Chimes.
During the afternoon descriptions of the Finals of the Great Public Schools Regatta will be broadcast.
During the day descriptions of each race at City Tattersall's Races, interspersed with Musical Items from the Studio.
4.55 p.m.—Racing Resume.
5.0 p.m.—G.P.O. Clock and Chimes; Close Down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes; Children's Session.
6.30 p.m.—Racing Resume; Sporting Resume.
7.0 p.m.—G.P.O. Clock and Chimes; Dinner Music.
7.30 p.m.—Talk on "Aborigines," by "Bringa."
8.0 p.m.—G.P.O. Clock and Chimes; Broadcasters' Topical Chorus.
8.3 p.m.—Dance Night; Anne Henderson's Happiness Girls.
9.0 p.m.—Description of the Boxing Contest broadcast from the Stadium.
9.30 p.m.—The Wentworth Cafe Orchestra, under the Direction of Mr. Merv. Lyons, broadcast from the Wentworth.
During intervals between Dances, "Sun" News will be broadcast.
11.45 p.m.—G.P.O. Clock and Chimes; National Anthem.

2UW, SYDNEY

SATURDAY, 21st APRIL, 1928.

EVENING SESSION.

7 p.m.—Studio items.
7.10 pm.—Where to go, session.
7.14 p.m.—Dinner music.
7.45 p.m.—Vocal and instrumental items.
8 p.m.—News items, sporting results and shipping intelligence.
8.20 p.m.—Dance programme by courtesy of Morley Johnsons Ltd.
9 p.m.—Request numbers.
9.20 p.m.—Dance music
9.58 p.m.—Announcements.
10 p.m.—Close down.

3LO, MELBOURNE.

SATURDAY, 21st APRIL, 1928.

EARLY MORNING SESSION.
7.15 a.m. to 8.15 a.m.

MORNING SESSION.

11 a.m.—THE STATION ORCHESTRA:
"The Wedding of The Rose" (Jessel).
Selection, "The Blue Kitten" (Friml).
11.10 a.m.—MINA HESELEVA, soprano:
"Villanelle" (Del Acqua).
"Parla—valse" (Arditi).
11.17 a.m.—THE STATION ORCHESTRA:
"Ballet Music from 'Faust'" (Gounod).
11.27 a.m.—AMBROSE McMAHON, baritone:
"Avourneen" (King).
"The Dawning of the Day" (Old Irish).
11.34 a.m.—THE STATION ORCHESTRA:
"Eastern Romance" (Rimsky-Korsakoff).
11.40 a.m.—MINA HESELEVA, soprano:
"The Fish" (Arenski).
"He Loves Me Not" (Mascagni).
11.47 a.m.—THE STATION ORCHESTRA:
"Coppelia Ballet" (Delibes).
12 noon—MELBOURNE OBSERVATORY TIME SIGNAL:
12.1 p.m.—British official wireless news from Rugby. Reuter's and the Australian Press Association cables. "Argus" news service. Announcements.
"Music so softens and disarms the mind
That not an arrow does resistance find."
—Waller.
12.20 p.m.—THE GYPSY PLAYERS:
Selection, "The Beloved Vagabond" (Glass).
12.30 p.m.—ERNEST SAGE, baritone:
"The Harp that Once" (Moore).
Selected.
12.37 p.m.—Stock Exchange information.
12.40 p.m.—THE GYPSY PLAYERS:
String Quartette, "The Mill." (Raff).
"Minuet" (Mozart).
12.50 p.m.—BERTHA JORGENSEN AND BESSIE GAUNSON.
12.57 p.m.—ERNEST SAGE, baritone:
"Old Barty" (D. Grant).
Selected.
1.4 p.m.—THE GYPSY PLAYERS:
"Sinfonia" (Rosse).
"Minuetto" (Haydn).
1.11 p.m.—Meteorological information. Weather report and rainfall for Victoria, Tasmania, South Australia, and New South Wales. Ocean reports. River reports.
1.18 p.m.—THE STATION ORCHESTRA:
"Song of the Volga Boatmen" (Weiniger).
1.23 p.m.—RUPERT HAZELL AND ELSIE DAY:
"Harmonylarity."
1.35 p.m.—THE STATION ORCHESTRA:
"Un peu d'amour" (Silesu).
1.40 p.m.—JACK LUMSDAINE, Whispering Baritone (by permission Tivoli Theatre Ltd).
Selected.
1.45 p.m.—Close down.

AFTERNOON SESSION.

NOTE.—Results of Echuca Races will be given during the afternoon.
2.15 p.m.—Description of HURDLE RACE, 2 miles, ASPENDALE RACES, by Eric Welch.
2.20 p.m.—HARRY SHUGG'S BAND:
Popular Airs.
2.45 p.m.—Description of MAIDEN PLATE, 5 furlongs, ASPENDALE RACES by Eric Welch.
2.50 p.m.—Description of LEAGUE FOOTBALL MATCH, GEELONG v. COLLINGWOOD at Geelong by Rod McGregor.
3.5 p.m.—HARRY SHUGG'S BAND:
Musical Comedy.
3.15 p.m.—Description of ASPENDALE PLATE, 6 furlongs, ASPENDALE RACES, by Eric Welch.
3.20 p.m.—Description of LEAGUE FOOTBALL MATCH, GEELONG v. COLLINGWOOD, at Geelong, by Rod McGregor.
3.30 p.m.—HARRY SHUGG'S BAND:
Operatic Selection.
3.42 p.m.—Results of QUARTER TIME LEAGUE AND ASSOCIATION FOOTBALL.
3.45 p.m.—Description of ASPENDALE PARK HANDICAP, 1 mile, ASPENDALE RACES, by Eric Welch.
3.50 p.m.—Description of LEAGUE FOOTBALL MATCH, GEELONG v. COLLINGWOOD, at Geelong, by Rod. McGregor.
4 p.m.—HARRY SHUGG'S BAND:
Selected.
4.15 p.m.—Description of ASPENDALE PURSE, 7 furlongs, ASPENDALE RACES by Eric Welch.
4.20 p.m.—Results of League and Association Football—HALF TIME.
4.23 p.m.—HARRY SHUGG'S BAND:
Selected.
4.35 p.m.—Description of LEAGUE FOOTBALL MATCH, GEELONG v. COLLINGWOOD at Geelong, by Rod McGregor.
4.45 p.m.—Description of WELTER HANDICAP, 1¼ miles, ASPENDALE RACES, by Eric Welch.
4.50 p.m.—Description of LEAGUE FOOTBALL MATCH, GEELONG v. COLLINGWOOD at Geelong, by Rod McGregor.
5 p.m.—Results of LEAGUE and ASSOCIATION FOOTBALL—¾ TIME.
5.3 p.m.—"Herald" news service. Stock Exchange information. Sporting results.
5.15 p.m.—Description of LEAGUE FOOTBALL MTACH, GEELONG v. COLLINGWOOD, at Geelong, by Rod. McGregor.
5.30 p.m.—Close down.

EVENING SESSION.

5.50 p.m.—Sporting results, including final scores of LEAGUE AND ASSOCIATION FOOTBALL.

CHILDREN'S HOUR.

6 p.m.—Answers to Letters and Birthday Greetings by "LITTLE MISS KOOKABURRA."
6.20 p.m.—Musical interlude.
6.25 p.m.—"LITTLE MISS KOOKABURRA" has a story for the tiny ones, "Hector."
And for the bigger "Kookaburrettes" she has the first instalment of a new serial story:
"Pickles on the Prowl."
7 p.m.—Sporting results.
7.5 p.m.—"Herald" news service. Weather synopsis. Shipping movements.
7.12 p.m.—Stock Exchange information.
7.17 p.m.—River reports.
7.20 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd. Poultry, Grain, Hay, Straw, Jute, Dairy Produce, Potatoes and Onions. Market reports of Fruit by the Victorian Fruiterers' Association—Retail prices. Wholesale prices of Fruit, by the Wholesale Fruit Merchants' Association. Citrus fruits.

NIGHT SESSION.

7.30 p.m.—E. E. PESCOTT.
"Australian Nut and Fruit-bearing Trees."
7.45 p.m.—DR. J. A. LEACH:
"Long Tailed Parrots."

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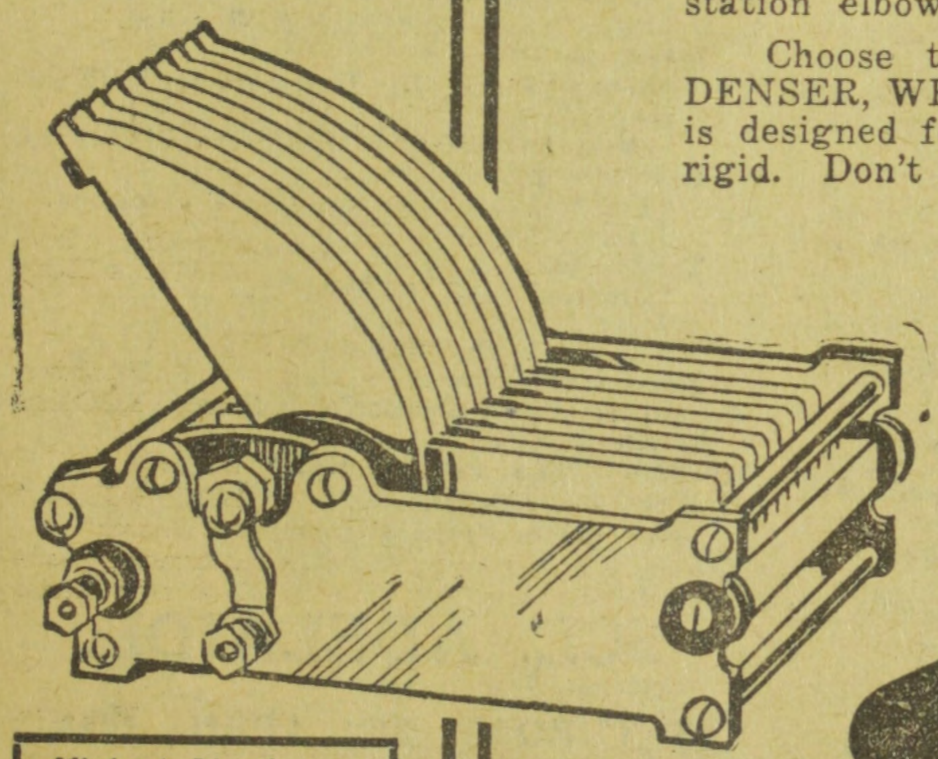

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8 p.m.—CLARENCE WEBER, wil speak on "Blood Pressure."
8.15 p.m.—Birthday Greetings and Programme announcements.
8.16 p.m.—THE GYPSY PLAYERS:
"Marcia Lurca" (Mozart).
"Minuetto Originale" (Beethoven).
8.26 p.m.—MINA HESELEVA, soprano:
Aria from "Robert Il Diavolo" (Meyerbeer).
"Away at the River" (Arensky).
8.33 p.m.—HELGA BRENNICKE, 'cello:
"Scherzo" (Beethoven).
8.40 p.m.—THE GYPSY PLAYERS:
"Trio" (Haydn).
8.50 p.m.—ROY GALLOWAY, baritone (by permission of J. C. Williamson, Ltd.):
Selected.
8.57 p.m.—THE GYPSY PLAYERS:
"Quartet" (Beethoven).
9.7 p.m.—JACK LUMSDAINE, Whispering baritone (by permission of Tivoli Theatres, Ltd.):
"Tenderly."
"Honeymoon Cottage."
9.14 p.m.—THE STATION ORCHESTRA:
"Indian Love Lyrics" (Finden).
9.20 p.m.—RUPERT HAZELL AND ELSIE DAY:
"Harmonylarity."
9.35 p.m.—THE STATION ORCHESTRA:
"African Dances" (Ring).
9.40 p.m.—Description of To-night's Stadium Event by ERIC WELCH.

FROM THE STUDIO.

10.10 p.m.—THE STATION ORCHESTRA:
"Sobre Las Olas" (Rosas).
10.15 p.m.—AMBROSE McMAHON, baritone:
"Toreador Song"—Carmen (Bizet).
"Parted" (Tosti).
10.22 p.m.—THE STATION ORCHESTRA:
"The Voice of the Bells" (Thurban).
10.27 p.m.—BERYL HAYDEN, Soubrette (by permission of J. C. Williamson, Ltd.):
Selected.
10.34 p.m.—THE STATION ORCHESTRA:
"Wildflower."
10.40 p.m.—ROY GALLOWAY, baritone:
Selected.
10.47 p.m.—Late Sporting results.
THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY:—
"When driving do not attempt to carry on o conversation with others in the car. Safe driving demands your full and undivided attention."
THE SHRINE OF REMEMBRANCE:—
THE MAYOR OF GEELONG considers it "A national and personal duty to remember the self-sacrificing bravery of our Australian manhood in fighting for honor, integrity and freedom."
ARE YOU DOING YOUR SHARE TOWARDS THE SHRINE OF REMEMBRANCE?
11 p.m.—OUR GREAT THOUGHT:
"A wise man will make more opportunities than he finds."—Bacon.
11.1 p.m.—THE VAGABONDS.
11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

SATURDAY, 21st APRIL, 1928.

MORNING NEWS SESSION.
11 a.m. to 12 noon.

MIDDAY CONCERT SESSION.
12 noon to 1 p.m.
Transmitted from Panatrope House, 252 Collins Street (by exclusive permission of Wills and Paton, Ltd.), on the Brunswick Panatrope.

MATINEE SESSION.

ORCHESTRAL DANCE CONCERT.
Sport Results: During the afternoon the results of the Aspendale Park Races will be broadcast, together with other information, immediately each race is run.
2 p.m.—Ayarz Dansonians:
A half-hour dance session by Melbourne's favorite Dance Band The latest popular hits, each one announced prior to its presentation.
2.30 p.m.—Melbourne Concert Orchestra:
"Incidental Music to the Merchant of Venice" (Rosse).
2.45 p.m.—Miss Freda Treweek, mezzo-soprano:
"O Fair and Sweet and Holy" (Rubinstein).
"Night in May" (Brahms).
2.53 p.m.—Melbourne Concert Orchestra.
3.9 p.m.—Miss Freda Treweek, mezzo-soprano:
Negro Spirituals:
"I've been in the Storm so Long" (arr. Frey).
"Nobody knows the trouble I've seen."
3.16 p.m.—Melbourne Concert Orchestra:
Selection, "The Blue Kitten" (Friml).
"Liebesleid" (Kreisler).
3.30 p.m.—Interval Announcements.
3.40 p.m.—Melbourne Concert Orchestra.
4 p.m.—G.P.O. Clock says "Four."
4.1 p.m.—Second weather forecast.
4.3 p.m.—Mr. James Scott, bass-baritone:
"Who Keeps the Sea" (Smith).
"The Swan" (Grieg).
4.11 p.m.—Melbourne Concert Orchestra:
Selection, "Lollipop" (Youmans).
"Ballet Music" from "King Manfred" (Reinecke).
4.32 p.m.—Mr. James Scott, bass-baritone:
"Linden Lea" (Vaughan Williams).
"None but the Lonely Heart" (Tschaikowsky).
4.40 p.m.—Melbourne Concert Orchestra:
"Ballet Music from Die Judin" (Halevy).
4.55 p.m.—To-night's Entertainment.
Announcements.
5 p.m.—G.P.O. Clock says "Five."
"God Save the King."

CHILDREN'S SESSION.

6.30 p.m.—Uncle Mac's Entertainment.

EVENING SESSION.

DANCE CONCERT.

7.20 p.m.—Sport Session: "Harlequin" presents his budget of up-to-date news and comments on Suort of the Day.
7.45 p.m.—Everyman's Garden: Special week-end talks by Mr. W. R. Warner, President of the Nurserymen's and Seedsmen's Association of Victoria.
8 p.m.—G.P.O. Clock says "Eight."
8.1 p.m.—Ayarz Dansonians.
8.16 p.m.—Moana Lua Duo (Spanish and Hawaiian Guitars):
"Vals espanol" (arr. Compston).
"La Picarilla" (Esteban).
8.23 p.m.—Ayarz Dansonians.
8.39 p.m.—Moana Lua Duo (Spanish and Hawaiian Guitars):
"Southern Blues" (Akoni).
"Isle of Golden Dreams" (Meyer).
8.46 p.m.—Mr. Ernie Pettifer, saxaphone:
"Velma" (Rosebrook).
8.50 p.m.—Announcements.
9.2 p.m.—Ayarz Dansonians.
9.18 p.m.—Mr. Charles Trewavis, baritone:
"The Bandolero" (Stuart).
"A Sergeant of the Line" (Squire).
9.26 p.m.—Ayarz Dansonians.
9.42 p.m.—Moana Lua Duo (Guaranita and Tiple):
"Danza Mignonne" (Nicolo Podista).
"Fado Dos Cantadors" (Nicolo Podista).
9.50 p.m.—Announcements.
10 p.m.—G.P.O. Clock says "Ten."
10.1 p.m.—Second weather forecast.
10.3 p.m.—Ayarz Dansonians.
10.19 p.m.—Mr. Charles Trewavis, baritone:
"A Castilian Lament" (del Riego).
"Eleanor" (Coleridge-Taylor).
10.27 p.m.—Ayarz Dansonians.
10.45 p.m.—"Harlequin": Sport results.
10.52 p.m.—To-morrow's entertainment.
Announcements.
10.58 p.m.—Final weather forecast.
10.59 p.m.—Our Australian Good-night Quote is taken from the poem, "In a Garden," by George Essex Evans.
11 p.m.—G.P.O. Clock says "Eleven."
"God Save the King."

4QG, BRISBANE.

SATURDAY, 21st APRIL, 1928.

MORNING SESSION.

The complete morning service will be relayed from the Seventh Day Adventist Church at Buranda.
11 a.m.—From Buranda:
Church Service.
12.30 p.m.—Close down.

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

The B.A.T.C. Race Meeting will be described direct from Albion Park.
From Albion Park:.
A description of the B.A.T.C. Races.
5 p.m.—Close down.

EARLY EVENING SESSION.

6 p.m.—News service for distant listeners.
6.30 p.m.—Bedtime stories by "Uncle Ben."
7.15 p.m.—Racing results.
7.20 p.m.—To-day's sporting news described.
7.30 p.m.—Sailing notes by Mr. Fred Smith.

NIGHT SESSION.

8 p.m.—From the Studio:
A Programme arranged by Mrs. T. Croft.
Baritone solo:
"My Task" (Aslford).
Mr. Yates.
Violin solo:
"Ave Maria" (Gounod).
Miss Leeding.
Mezza-soprano solo:
"By the Waters of Minnetonka" (Lieurance).
Miss Crippa.
Pianoforte solo:
Selected.
Mrs. Taylor.
Tenor solo:
Selected.
Mr. A. Hughes.
Pianoforte solo:
Selected.
Mrs. Taylor.
Mezzo-soprano solo:
"Come, for it's June" (Dorothy Foster).
Miss McKinnin.
Violin solo:
"Serenata" (Toselli).
Miss Irene Eade.
Vocal Duet:
"Come Back to Me."
Mrs. Croft and Mr. A. Hughes.
Mandolin Duet:
"Sextet Lucia Di Lammermoor" (Donizetti).
Mrs. Britton and Miss Vera Simmonds.
Contralto solo:
"Farewell to Summer (Noel Johnson).
Mrs. Croft.
Tenor solo:
"Cradle Song" (Schubert).
Mr. Croft.
9 p.m.—From the Speedway:
Motor Cycle Races.
9.30 p.m.—From Lennon's Ballroom:
Dance Music.
10 p.m.—"The Sunday Mail" news.
Weather news.
Close down.

5CL, ADELAIDE.

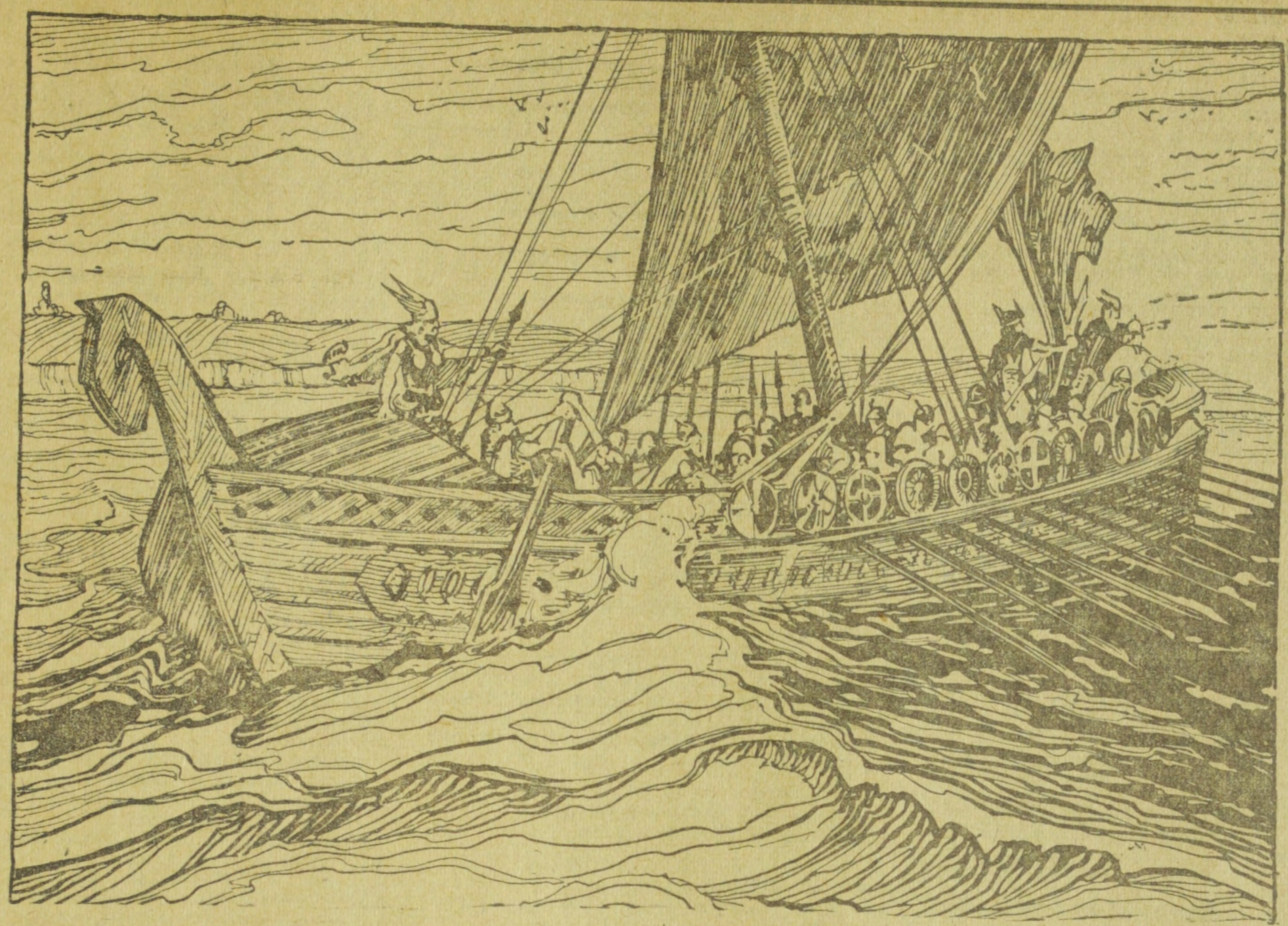
SATURDAY, 21st APRIL, 1928.

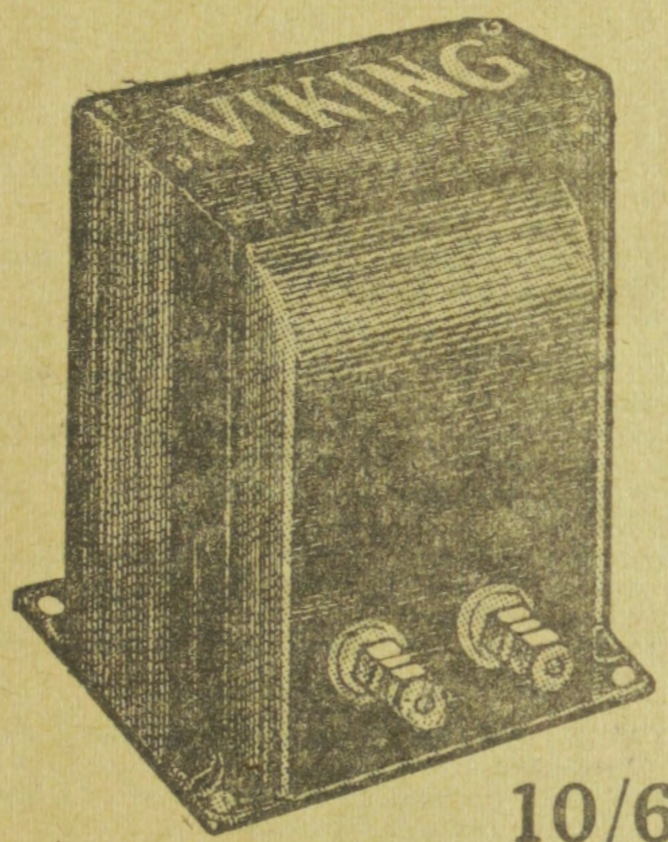
MORNING SESSION.

11 a.m.—G.P.O. Chimes.
11.1 a.m.—"Advertiser" News Service and British Wireless News.
11.30 a.m.—Musical numbers on the Studio "Recreator."
12 noon.—G.P.O. Chimes and close down.

AFTERNOON SESSION.

1 p.m.—Relayed from Cheltenham Racecourse, a running description of events of the S.A. Amatuer Turf Club's meeting, by Mr. Arnold Treloar, interspersed with interstate results and musical numbers from the Studio.
5 p.m. (Approx).—Close down.





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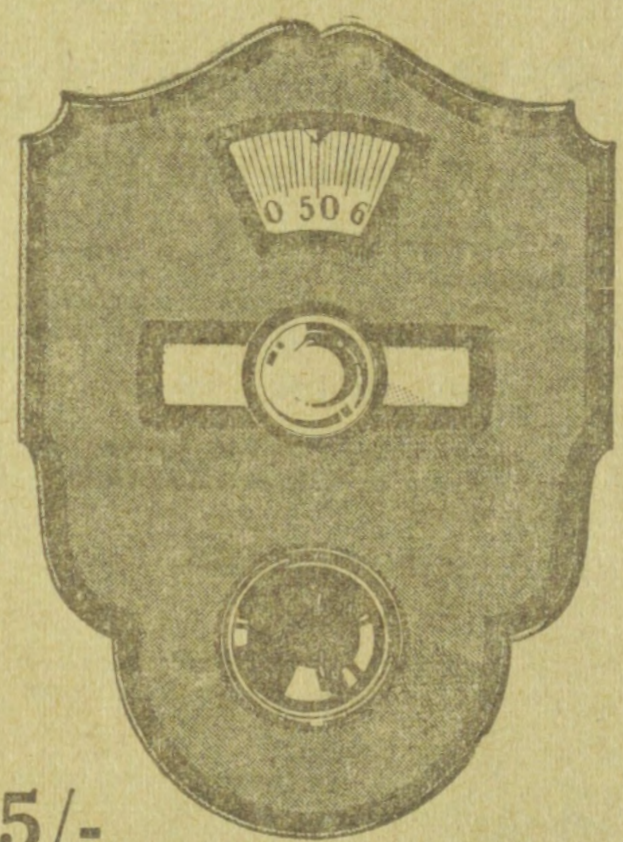

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EVENING SESSION.

5.50 p.m.—Resume of the afternoons' sporting results.
6 p.m.—G.P.O. Chimes
6.1 p.m.—Children's entertainment by 5CL Radio Family.
6.30 p.m.—Dinner Music on the Studio "Recreator."
7 p.m.—G.P.O. Chimes.
7.1 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.
7.8 p.m.—British Wireless News.
7.15 p.m.—Talk on "Heroes of Mission."
7.30 p.m.—Interstate and local sporting results
7.50 p.m.—Musical numbers on the studio "Recreator."
8 p.m.—G.P.O. Chimes.
8.1 p.m.—Mrs. Hubert James, contralto: "Lie there, My Lute" (MacCumm). "I heard you singing" (Coates).
8.8 p.m.—Harry Hutchins, violinist, "Scene de Ballet" (De Beriot).
8.15 p.m.—Don Wildsmith, baritone: "The Floral Dance" (Moss). "Nirvana" (Adams).
8.22 p.m.—Relay from Glenelg, The Maison Dance Band.
8.45 p.m.—Mrs. Hubert James, contralto: "The Spinet" (Arundale).
8.49 p.m.—Harry Hutchins, violinist: "Sonata in A" (Handel).
9.1 p.m.—Meteorological information, Weather forecast, Dalgety's Wheat report.
9.2 p.m.—British Wireless News.
9.8 p.m.—Relay from Glenelg, The Maison Dance Band.
9.20 p.m.—Don Wildsmith, baritone: "Off to Philadelphia" (Haynes).
9.24 p.m.—Harry Hutchins, violinist: "1st Movement of 4th Concerto" (Vieuxtemps).
9.32 p.m.—Relay from Glenelg, The Maison Dance Band.
10.1 p.m.—Interstate and local sporting results
10.15 p.m.—Relay from Glenelg, The Maison Dance Band.
10.55 p.m.—To-morrow's programme and weather forecast.
11 p..m—G.P.O. Chimes and National Anthem.

6WF, PERTH.

SATURDAY, 21st APRIL, 1928.

MIDDAY SESSION.

12 noon.—Tune in.
12.5 p.m.—Musical programme, including pianoforte selections by Miss Evelyn Willis A.R.C.M.
12.47 p.m.—Markets, News, and Cables.
1 p.m.—Time signal.
1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—Close down.

AFTERNOON SESSION.

1.55 p.m.—Tune in.
2 p.m.—At Ascot.
Running commentary of the following Racing events relayed from Ascot Racecourse, Ascot.
3.30 p.m.—From the Studio.
Musical programme, including vocal and instrumental numbers.
Sports results.
5.30 p.m.—Close down.

EVENING SESSION.

6.45 p.m.—Tune in.
The evening transmission is broadcast on 104.5 metre as well as the usual wavelength.
6.50 p.m.—Stories for the Kiddies by Uncles Henry, Bertie and Duffy.
7.20 p.m.—Stocks, Markets, News.
7.45 p..m—Talk.
8 p.m.—Time signal.
8.1p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia. Station announcements such as alterations to programmes, etc.
8.3 p.m.—Music and Song.
Musical programme from the studio, including vocal and instrumental artists.
Mr. R. W. Trotter, elocutionist.
Vocal items by the Wendowie Quartette, Male Quartette.
Miss Evelyn Willis, A.R.C.M. pianist.
10 p.m.—Late News items by courtesy of "The Daily News" Newspaper Co.
Ships within Range announcement.
Weather report and forecast.
10.30 p.m.—Close down.

104.5 METRE TRANSMISSION.

Simultaneous broadcast on 104.5 metres of Programme given on 1250 metres, commencing at 6.45 p.m.

7ZL, HOBART

SATURDAY, 21st APRIL, 1928.

MORNING SESSION.

11 a.m.—G.P.O. Clock chimes the hour.
11.1 a.m.—Special Midlands Weather forecast.
11.5 a.m.—British Official Wireless News.
11.10 a.m.—Mercury morning news service.
11.30 a.m.—Shipping information.
Ships within wireless range.
Mail notices. Commercial news.
Foreign Exchange markets.
Housewives guide. Produce sales.
Railway sales.
11.45 a.m.—Hobart Stock Exchange quotations.
11.50 a.m.—Sporting anticipations.
Boat Express information.
11.55 a.m.—Tasmanian Weather stations 9 a.m. report.
12 noon.—G.P.O. Clock chimes the hour.
Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Clock chimes the hour.
Broadcast from North Hobart Oval description of Football Match N.T. v. Cananore.
Sporting results announced during interval.
5 p.m.—Close down.

EARLY EVENING SESSION.

6.30 p.m.—Cousin Mac's half hour.
7 p.m.—Uncle Hector's Corner.

NIGHT SESSION.

7.30 p.m.—Musical selections.
7.35 p.m.—Mercury special Tasmanian news service.
Weather forecasts.
Hobart Stock Exchange quotations.
Sporting results.
8 p.m.—G.P.O. Clock chimes the hour.
8.15 p.m.—Dance numbers by the Pavilion Dance Band from the City Hall Hobart interspersed with items from the studio.
10.20 p.m.—British Official Wireless news.
Weather information.
Station announcements, Sunday's programme.
Close down.

Sunday, April 22

2FC, SYDNEY.

MORNING SESSION.

10.55 a.m.—Programme announcements.
11 a.m.—"Big Ben."
From St. Mark's, Church of England, Darling Point:
The Morning Service.
Preacher, Rev. Hugh Paton.
Organist, Mr. Harry Chandler.
12.15 p.m.—From the Studio:
Musical items and news session.
12.30 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.
From the Lyceum Hall, Pitt Street, Sydney: Pleasant Sunday Afternoon Service, arranged by the Central Methodist Mission.
A Special Patriotic Programme.
4 p.m.—"Big Ben."
From the Band Rotunda, Coogee Beach: A programme by the Randwick Municipal Band. Conductor, Mr. E. P. Kerry.
5 p.m.—"Big Ben." Close down.

EVENING SESSION.

5.55 p.m.—Programme announcements.
6 p.m.—"Big Ben."
Choral and Vocal Programme ("Old English), by the Students of Mr. Bennett North:
(a) "Down in a Flow'ry Vale" (Festa). Studio Quartette.
(b) "I've been Roaming" (Horn). Dorothy Rose.
(c) "Richard of Taunton Deane" (Old Somerset). Alex. Sinclair.
(d) "Nymphs and Shepherds" (Purcell). Dorothy Rose and Madame Bennett North.
(e) "Piano Sonata No. 8" (Arne). Bennett North.
(f) "Drink to Me Only" (Anon). Allan Donnelley.
(g) "When Daisies Field" (Arne). Doris Gerrard.
6.20 p.m.—Bryan Carter will talk on "Carillon Playing."
6.35 p.m.—Continuation of the Programme by the Students of Bennett North:
(a) "Friendship" (Marzials). Dorris Gerrard and Madame Bennett North.
(b) "Come, Lasses and Lads." Dorothy Rose.
(c) "I Attempt from Love's Sickness" (Purcell). Allan Donneley.
(d) "Pretty Polly Oliver" (arr. Somerville).
(e) "O, Who Will Oer" (Pearsall). Studio Quartette.
(f) "Arise, ye Subterranean Winds" (Purcell). Alex. Sinclair.
(g) "Lass of Richmond Hill" (Hook). Studio Quartette.
6.55 p.m.—From St. Stephen's Presbyterian Church, Phillip Street, Sydney: The Evening Service.
8.30 p.m.—From the Band Rotunda, Coogee Beach: The Randwick Municipal Band. Conductor, Mr. E. P. Kerry.
9.30 p.m.—From the Studio:
Jill Manners, soprano:
(Flute Obligato by N. F. Amadio).
9.38 p.m.—Scott Alexander.
9.48 p.m.—N. F. Amadio, flute solo.
9.57 p.m.—Jill Manners, soprano.
10.5 p.m.—National Anthem. Close down.

2BL, SYDNEY.

SUNDAY, 22nd APRIL, 1928.

10.45 a.m.—Special News Service.
11.0 a.m.—Service Broadcast from Chalmers' Presbyterian Church.

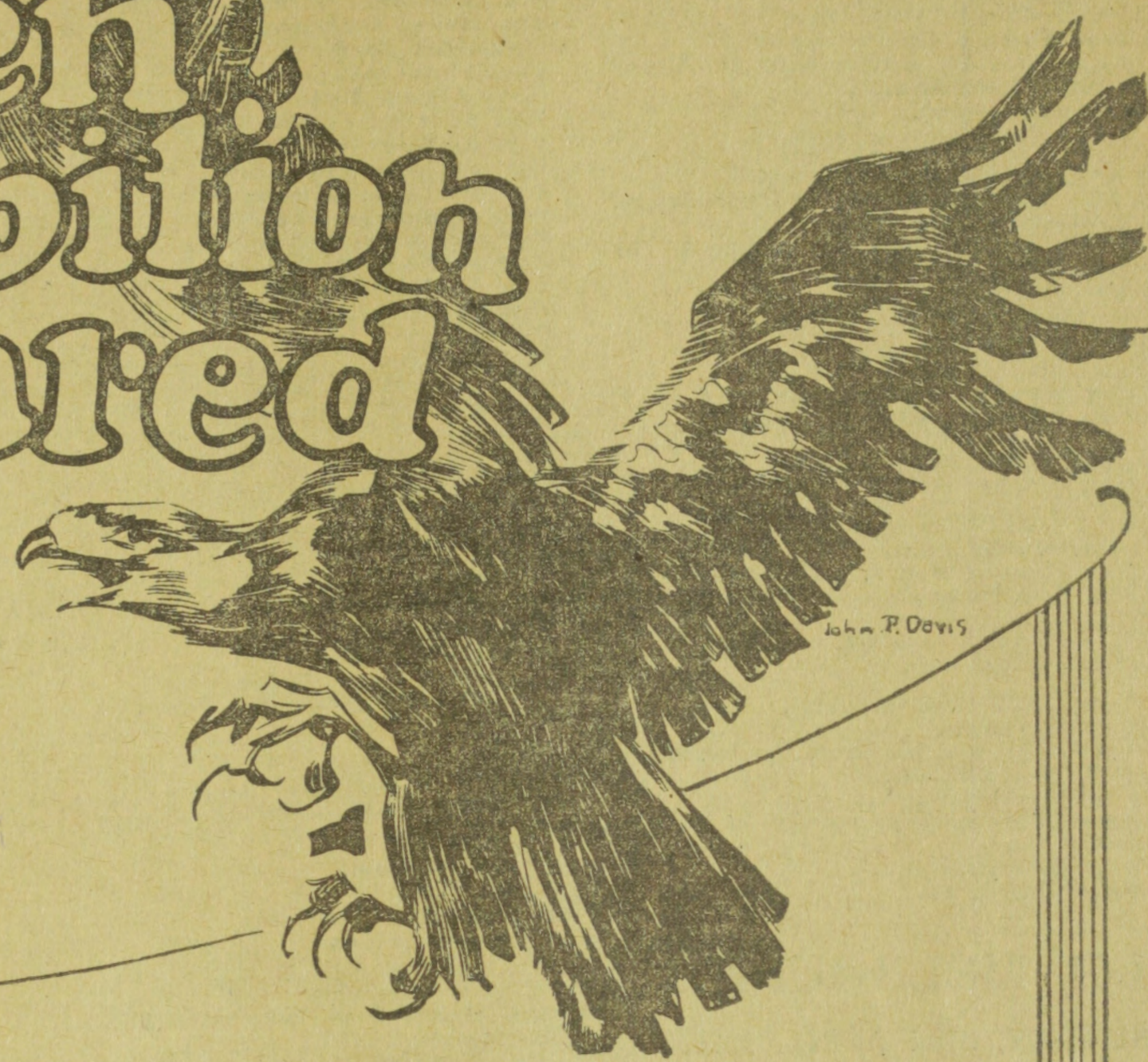
AFTERNOON SESSION.

2.0 p.m.—G.P.O. Clock and Chimes; Special Session for Children in Hospitals.
2.15 p.m.—H.M.V. Gramophone Recital.
2.45 p.m.—Information Service.
3.0 p.m.—G.P.O. Clock and Chimes; Close Down.
3.30 p.m.—Organ Recital Broadcast from Chalmers' Presbyterian Church.
4.30 p.m.—Music from the Studio.
5.0 p.m.—G.P.O. Clock and Chimes; Close Down.

EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes; Children's Session.
7.0 p.m.—Service Broadcast from St. Jude's Church of England, Randwick.
8.30 p.m.—The British Music Society String Quartette.
8.40 p.m.—Mr. Cyril James (Baritone).
8.47 p.m.—Mr. Leslie McCallum (Flute Solos).
8.54 p.m.—Miss Marjorie Skill (Soprano).
9.1 p.m.—Weather Report and Forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.
9.2 p.m.—Mr. Harry Thomas (Elocutionist).
9.9 p.m.—Miss Amy Ostinga (Contralto).
9.16 p.m.—Mr. G. Vern Barnett (Piano Solos).
9.23 p.m.—Mr. Cyril James.
9.30 p.m.—The British Music Society String Quartette.
9.40 p.m.—Miss Marjorie Skill.
9.47 p.m.—Mr. Harry Thomas.
9.54 p.m.—Mr. Leslie McCallum.
10.1 p.m.—Resume of Following Day's Programme.
10.5 p.m.—Miss Amy Ostinga.
10.12 p.m.—G.P.O. Clock and Chimes; National Anthem.

When Ambition Soared



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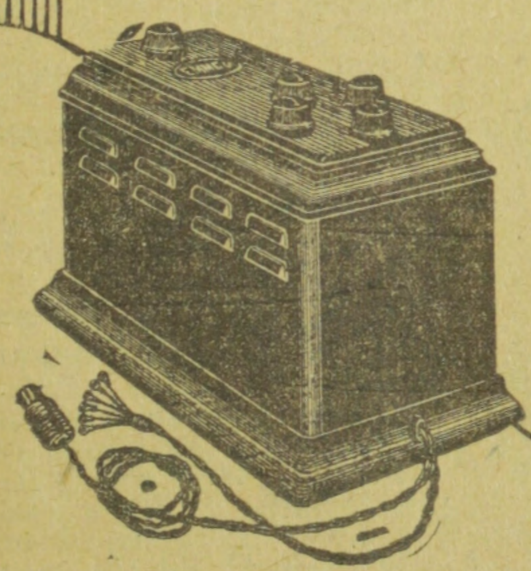

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PRICE:
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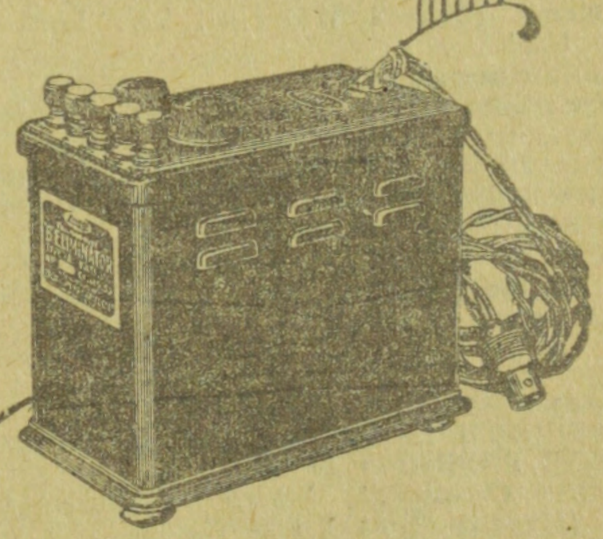


EMMCO B. BATTERY ELIMINATOR for sets up to 5 valves.
PRICE £10/10/-

2GB, SYDNEY

SUNDAY, 22nd APRIL, 1928.

MORNING SESSION.

10.15 a.m.—Organ Music from St. Alban's Liberal Catholic Church, Redfern.
10.30 a.m.—Morning Service from St. Alban's Liberal Catholic Church.
12 noon.—Close down.

EVENING SESSION.

5.30 p.m.—Service by Mr. Bradley.
6.30 p.m.—Children's Session by Uncle George.
8 p.m.—Lecture from Adyar Hall.
8.15 p.m.—Sacred Concert, arranged by Straube Piano Co.
8.50 p.m.—Talk.
9 p.m.—Continuation of Concert.
10 p.m.—Close down.

2 UW, SYDNEY

SUNDAY, 22nd APRIL, 1928.

MORNING SESSION.

10.30 a.m.—Studio items.
10.25 a.m.—Special H.M.V. Recital by courtesy of the Gramophone Co.
11.30 a.m.—Studio items.
11.45 a.m.—Request numbers.
12.30 p.m.—Close down.

EVENING SESSION.

7 p.m.—Studio items.
7.30 p.m.—Vocal and instrumental selections.
8 p.m.—Request numbers.
8.45 p.m.—Weather forecast.
8.48 p.m.—Dance music by courtesy of Morley Johnsons Ltd.
9.28 p.m.—Announcements.
9.30 p.m.—Close down.

3LO, MELBOURNE.

SUNDAY, 22nd APRIL, 1928.

MORNING SESSION.

10.30 a.m.—Bells from St. Paul's Cathedral.
10.45 a.m.—Express train information. British Official Wireless news from Rugby. News from yesterday's papers.
11 a.m.—MORNING SERVICE FROM THE AUSTRALIAN CHURCH, RUSSELL STREET, MELBOURNE.
DR. CHARLES STRONG, Conductor Service and Preacher. Organ extemporised.
Hymn Supplement 82, "An Invocation."
Prayer (Supplement, Page 105).
Chant 40, Church Worship, Page 223.
Reading from Scripture.
Anthem 84, "The Souls of the Righteous."
Reading from Scripture.
Prayer ending Amen "So may it be."
Hymn 78 (Church Worship), "The Kingdom of God."
Address, "The Bearing of the Study of other religions on our own."
Hymn (Church Worship), 90, "Lord Bless Us."
Announcements.
Offertory, Organ, "A Pastoral" (Driffield).
Duet or Anthem, to be announced.
Benediction (Church Worship), page 256.
Concluding Voluntary, Polonaise (Chopin).
ORGANIST, Charles Tuckwell.
CHOIR PRINCIPALS, Misses Conly and Sutton, Messrs. Mauger and Martin.
12.15 p.m.—Close down.

AFTERNOON SESSION.

2 p.m.—SONORA RECITAL OF THE WORLD'S MOST FAMOUS RECORDS.
BOY SOPRANO SOLO:
"The Creation," "With Verdure Clad" (Haydn)—Part 1 and 2.
Master John Bonner, recorded in Manchester Cathedral with Organ.
BAND:
"The Keltic Suite" (J. H. Foulds).
No. 1.—The Clans.
No. 2—The Lament (with Pipers of 1st Batt. Scots Guards).
The Regimental Band of H.M. Grenadier Guards.
ARIA, "Othello"—Credo (Verdi).
In Italian, Cesare Formichi, baritone.
ORCHESTRAL:
"From the New World" (Dvorak).
Symphony—Op. 95 No. 5.
The Halle Orchestra, conducted by Sir Hamilton Hardy.
Part 1: (a) Adagio.
(b) Allegro Molto (First Half).
Part 2: Allegro Molto (Completion).
Part 3: Largo (First Part).
Part 4: Largo (Continued).
Part 5: Largo (Completion).
Part 6: Scherzo (First Half).
Part 7: Scherzo (Completion).
Part 8: Finale (First Part).
Part 9: Finale (Continued).
Part 10: (Completion).
CHORUS:
"La Traviata," Chorus of Gypsies (Coro delle Zingarelle), in Italian by La Scala Chorus of Milan (Verdi).
3 p.m.—PLEASANT SUNDAY AFTERNOON SERVICE—CENTRAL MISSION.
Chairman, Rev. J. H. CAIN.
Hymn No. 34, "Jesu Lover of My Soul."
Prayer, Rev. C. Irving Benson.
Orchestral Selection, Mr. G. M. Williams (Conductor).
Hymn No. 115, "O King of Kings, O Lord of Hosts."
Solo, Mr. Ben Moy Ling.
Orchestra.
Solo, Mr. Ben Moy Ling.
Notices.
Offering.
Orchestra.
ADDRESS, COLONEL CHAPLAIN A. P. BLADEN, O.B.E., "MEMORIES OF GALLIPOLI."
National Anthem.
Benediction.
Orchestra.
4.30 p.m.—Close down.

EVENING SESSION.

6 p.m.—Answers to Letters and Birthday Greetings by "BILLY BUNNY."
6.25 p.m.—BROTHER BILL: Hitting the Bull's Eye.
6.45 p.m.—Bells from St. Paul's Cathedral.

NIGHT SESSION.

7 p.m.—EVENING SERVICE FROM TOORAK PRESBYTERIAN CHURCH, MELBOURNE.
Introit.
Invocation.
Hymn 270, "Soldiers of Christ."
Old Testament Lesson.
Prose, Psalm 103.
New Testament Lesson.
Lord's Prayer.
Hymn 249, "Fight the Good Fight."
Intimation and Offertory.
Anthem, "I Will Sing of Thy Power" (Sullivan).
Sermon, Rev. JOHN MacKENZIE.
Prayer.
Hymn 517, "Praise to Our God."
Benediction.
Vesper Hymn.
FROM THE STUDIO:
8.30 p.m.—Birthdap Greetings and Programme Announcements. Island steamer movements.
8.32 p.m.—Feature Record of the Week.
8.35 p.m.—MALVERN TRAMWAYS BAND: Selection, "Grand Opera."
8.45 p.m.—ISOBEL BIDDELL, contralto:
"The Heart Worships" (Holst).
"The Cloths of Heaven" (Dunhill).
8.52 p.m.—EDOUARD LAMBERT, violin:
"Meditation de Thais" (Massenet).
"Souvenir" (Drdla).
9.2 p.m.—MALVERN TRAMWAYS BAND: Morceau, "A Night in Switzerland" (Hume).
9.9 p.m.—W. A. SOMERSET:
"Shipwrecks in Australian Waters."
9.24 p.m.—ISOBEL BIDDELL, contralto:
"Softly Awakes My Heart"—"Samson and Delilah" (Saint Saens).
"Homing" (Del Riego).
9.31 p.m.—MALVERN TRAMWAYS BAND: March, "Australia" (Ring).
9.36 p.m.—EDOUARD LAMBERT, violin: Prelude, Chorale-Fugue—Parts 1 and 2 (Frank).
9.43 p.m.—MALVERN TRAMWAYS BAND: Selection, "The Bohemian Girl" (Balfe).
9.50 p.m.—"Argus" news service. Announcements.

The Royal Automobile Club of Victoria's SAFETY MESSAGE for to-day is "Road sense is the art of anticipation and intuition which enables a driver to do the right thing under all varying conditions. It can only be acuired by practical experience aided by study."

OUR GREAT THOUGHT—HOW TO BE HEALTHY, HAPPY AND GOOD:
Drink less; breathe more.
Eat less; chew more.
Clothe less; bathe more.
Ride less; walk more.
Sit less; dig more.
Worry less; work more.
Play less; think more.
Waste less; give more.
Hate less; love more.
Preach less; practise more.
10 p.m.—"GOD SAVE THE KING."

3AR, MELBOURNE

SUNDAY, 22nd APRIL, 1928.

MORNING CHURCH SESSION.

10.30 a.m.—Chimes from St. John's Church, Toorak.
11 a.m.—Morning Church Service from St. James' Old Cathedral.
Preacher, Rev. P. Robinson.

AFTERNOON SESSION.

"CELEBRITY" CONCERT.
3 p.m.—Miss Ethel Brearley, piano:
"Polonaise C Sharp Minor" (Chopin).
"Orientale" (Amani).
3.8 p.m.—Mr. C. Richard Chugg, flute:
"Second Sonata" (Platti).
3.20 p.m.—Miss Lilian Paton, mezzo-soprano:
"O for the Wings of a Dove" (Mendelssohn).
"I Lift my Heart to Thee" (Costa).
3.28 p.m.—Mr. Herbert Pettifer, violin:
"Orientale" (Cui).
"Andalouse" (Manen).
"Allegro Brilliant" (Ten Have).
3.36 p.m.—Mr. Alan T. Eddy, bass-baritone:
"Cradle Song" (Kreisler).
"There is No Death" (O'Hara).
3.55 p.m.—Mr. C. Richard Chugg, flute:
"Romance" (St. Saens).
"Barcarolle" (Krantz).
3.52 p.m.—Miss Lilian Paton, mezzo-soprano:
"Abide with Me" (S. Liddle).
"The Praise of God" (Beethoven).
4 p.m.—Mr. Herbert Pettifer, violin:
"Allegretto from G Major Sonata" (Grieg).
"Polonaise Caprice" (Newlandsmith).
4.8 p.m.—Mr. Alan T. Eddy, bass-baritone:
"The Blind Ploughman" (Clarke).
"Vulcan's Song" (Gounod).
4.16 p.m.—Miss Ethel Brearley, piano:
"The Wild Rose" (Schubert).
"Cradle Song" (Schubert).
"Minuett" (Paderewski).
4.24 p.m.—Mr. C. Richard Chugg, flute; Mr. Herbert Pettifer, violin, and Miss Ethel Brearley, piano:
"Trio" (Krebs).
4.30 p.m.—"God Save the King."

CHILDREN'S SESSION.

Special Children's Hour.

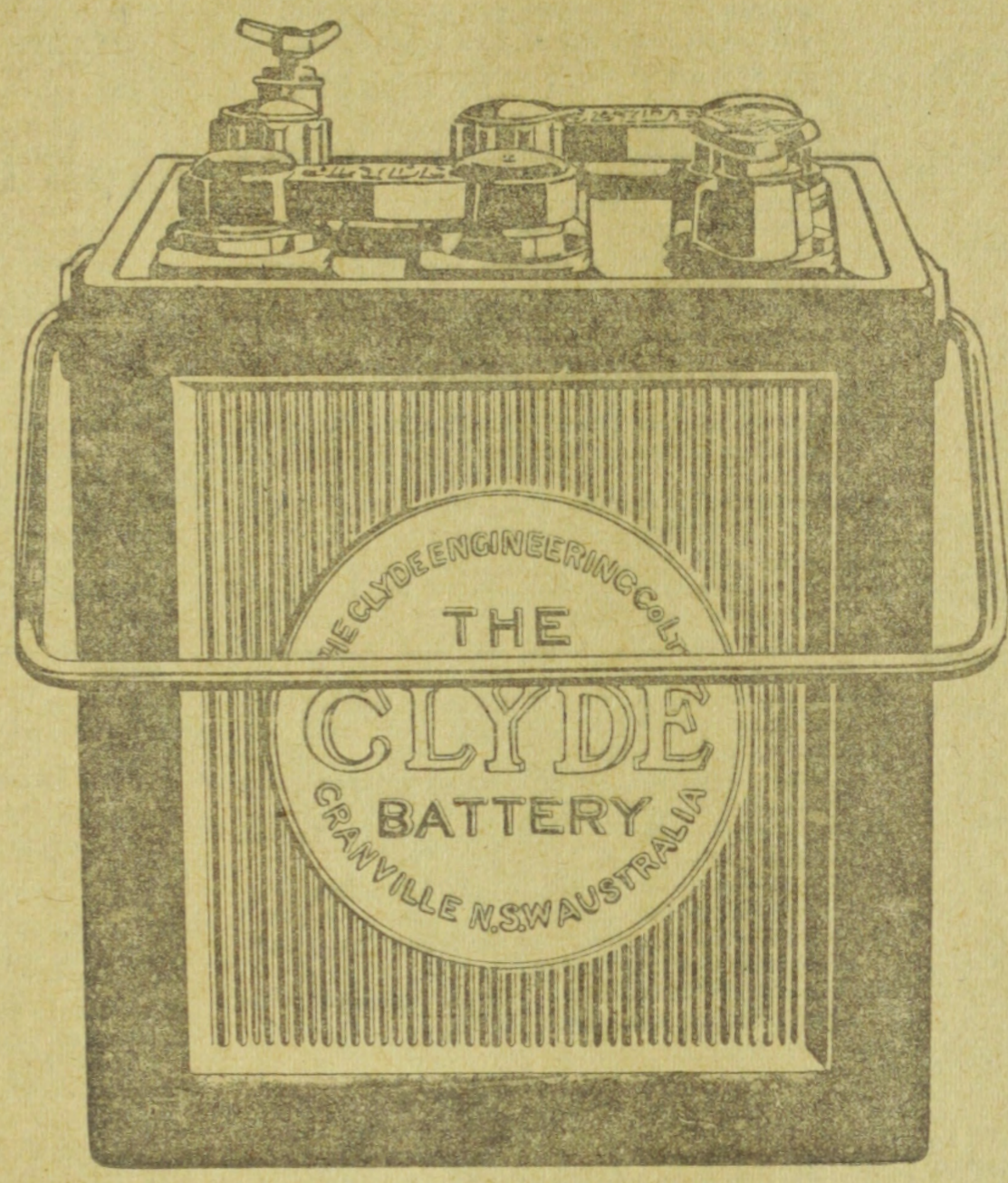
EVENING CHURCH SESSION.

7 p.m.—Special Anzac Service from Cairns Memorial Church.
Preacher, Rev. F. A. Hagenauer, M.A.

EVENING SESSION.

8.30 p.m.—Brunswick Panatrope Entertainment, broadcast from Panatrope House, 252 Collins Street, Melbourne (by exclusive permission of Wills and Paton, Ltd.), under the direction of the Panatrope Committee. Direction, Mr. Geoffrey Fox.
8.31 p.m.—The B.B.C. Wireless Symphony Orchestra:
Overture, "The Bohemian Girl" (Balft). In two parts.
8.38 p.m.—Mr. Walter Kingsley, baritone:
"Dear Little Irish Mother" (Michael O'Brien).
"Calling Me back to You" (Sheaver).

CLYDE



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BATTERY SALES DEPT.,

MAIN SERVICE STATION

106-110 Goulburn Street, SYDNEY.

8.44 p.m.—Frank Black's Orchestra:
"Merry Widow" (Lehar).
"Count of Luxembourg" (Lehar).
8.52 p.m.—Mr. Harold Williams:
"Water Boy," Negro Convict Song (arr. Avery Robinson).
"Gwine Away" (arr. Avery Robinson).
8.58 p.m.—Mr. Harold Williams and B.B.C. Chorus:
"'Gainst Thy Power," from "Faust" (Gounod).
"Soldier's Chorus," from "Faust" (Gounod).
9.6 p.m.—Mr. Rudy Wiedoeft, saxophone:
"La Cinquantaine" (Gabriel Marie, arr. Wiedoeft).
"Minuet" (Beethoven).
9.12 p.m.—Jacques Jacob's Ensemble:
"Four Indian Love Lyrics" (Nos. 3 and 4).
9.18 p.m.—Mr. Albert Spalding, violin:
"Nocturne in G Major" (Chopin).
"Introduction and Tarentelle" (Sarasate).
9.26 p.m.—Mr. Norman Allin, bass:
"Silent Moon" (Rosetti).
"The Clock" (Loewe).
9.34 p.m.—M. Leopold Godowsky, piano:
(a) "Scarf Dance."
(b) "The Flatterer" (Chaminade).
"Barcarolle," June (Tschaikowsky).
9.42 p.m.—The J. H. Squire Celeste Octet:
"Salut d'Armour" (Elgar).
"Barcarolle," from "Tales of Hoffman" (Offenbach).
9.48 p.m.—New York Philharmonic Orchestra:
"Scherzo," from "Midsummer Night's Dream" (Mendelssohn).
"Nocturne," from "Midsummer Night's Dream" (Mendelssohn).
9.54 p.m.—The "Age" News Bulletin, exclusive to 3AR.
9.58 p.m.—Weather forecast.
9.59 p.m.—Our Australian Good-night Quote is taken from the poem, "A Vision of Christ," by George Essex Evans.
10 p.m.—"God Save the King."

4QG, BRISBANE

SUNDAY, 22nd APRIL, 1928.

MORNING SESSION.

The complete morning service will be relayed from the Ann Streeet Presbyterian Church.
10.55 a.m.—From Ann Street Presbyterian Church:
Organ prelude by Mr. A. Day, F.T.C.L.; "Praise God from Whom All Blessings Flow;" Invocation and Lord's Prayer; Scripture sentences; Hymn 122, "When Morning Gilds the Sky;" Intimations and Offertory; Solo by, Miss Elsie Ward; Anthem, "He Watching Over Israel" (Elijah); Solo by Miss Ruby Wellstead; Scriptures; Prayer; Hymn 267, "Stand up for Jesus;" Sermon by Rev. James Cosh, B.A., B.D.; Prayer; Hymn 281, "Through the Love of God Our Saviour;" Benediction; Postlude by Mr. A. Day.
12.15 p.m.—Close down.

AFTERNON SESSION.

The band concert will be relayed from the Botanic Gardens.
3.15 p.m.—From the Botanic Gardens:
Band concert.
4.30 p.m.—Close down.

NIGHT SESSION.

ANN STREET PRESBYTERIAN CHURCH.
The complete evening service will be relayed from Ann Street Presbyterian Church.
6.55 p.m.—From Ann Street Presbyterian Church.
Organ prelude by Mr. A. Day, F.T.C.L.
Children's Service, Hymn 592, "There is a Happy Land;" Bedtime Story; Hymn 587, "Around the Throne of God in Heaven."
7.30 p.m.—Solo by Miss Beatrice Pugh; Invocation and Lord's Prayer; Scripture Sentences; Hymn 302, "The God of Abraham Praise;" Intimations and Offertory; Anthem, "I waited for the Lord" (Menedlssoh Miss Nancy Muirhead, soprano, Miss Blanche Curnow, contralto; Bass solo by Mr. J. E. England; Scriptures; Prayer; Hymn 356, "Holy Father, Cheer our Way"; Sermon by Rev. James Cosh, B.A., B.D.; Hymn 363, "Saviour Breathe an Evening Blessing;" Benediction; Vesper Hymn; Postlude Mr. A. Day, F.T.C.L.
At the conclusion of the church service, the concert by the Brisbane Municipal Concert Band will be relayed from Wickham Park.
From Wickham Park.
Band Concert.
9.30 p.m.—Close down.

5CL, ADELAIDE.

SUNDAY, 22nd APRIL, 1928.

MORNING SESSION.

10.45 a.m.—Carillon of bells from St. Andrew's Church, Walkerville.
11 a.m.—G.P.O. Chimes.
11.1 a.m.—Divine Service relayed from St. Francis Xavier's Cathedral, Wakefield Street, Divine Service.
12.10 p.m. (Aprox).—International News, Time announcement and close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Chimes.
3.1 p.m.—Relayed from St. Francis Xavier's Cathedral a sacred concert by the Cathedral Choir.
4 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

6.30 p.m.—G.P.O. Chimes.
6.31 p.m.—Carillon of bells from St. Andrew's Church, Walkerville.
6.36 p.m.—Running time of the East-West express.
6.37 p.m.—Sunday stories for the children by the "Bird Lady."
7 p.m.—G.P.O. Chimes.
7.1 p.m.—Evening Divine Service relayed from Black Forest Baptist Church.
8.15 p.m.—Sacred concert by Black Forest Church Choir.
9.30 p.m.—A talk by Mr. P. H. Nicholls: "Mrs. Josephine Butler."
9.50 p.m.—To-morrows programme and meteorological information.
9.55 p.m.—International News, Station Announcements and close down.

6WF, PERTH.

SUNDAY, 22nd APRIL, 1928.

MORNING SESSION.

10.45 a.m.—Tune in.
11 a.m.—Morning church service relayed from Chas. Street Methodist Church, West Perth.
12.15 p.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—Tune in.
3.35 p.m.—From the Studio.
Musical programme, including vocal and instrumental artists.
4.30 p.m.—Close down.

EVENING SESSION.

7 p.m.—Tune in.
The evening transmission is broadcast on 104.5 metres as well as the usual wavelength.
7.5 p.m.—Children's bedtime stories by Miss Kathleen Powell.
7.30 p.m.—Evening church service relayed from St. Andrew's Presbyterian Church, St. George's Terrace, Perth.
8.45 p.m.—A Relay.
Concert by the Perth City Band, conducted by Mr. L. M. Price,
and items by vocal, assisting artists, relayed from the Government Gardens, Perth.
10.5 p.m.—Close down.

104.5 METRE TRANSMISSION.

Simlutaneous broadcast on 104.5 Metres of Programme given on 1250 metres, commencing at 7 p.m.

7ZL, HOBART

SUNDAY, 22nd APRIL, 1928.

MORNING SESSION.

11 a.m.—Church Service from Melville Street Methodist Church, Hobart.

AFTERNOON SESSION.

3.30 p.m.—G.P.O. Clock chimes.
Concert from the Studio.

EARLY EVENING SESSION.

6.30 p.m.—Children's Corner with the Sunday Lady.

NIGHT SESSION.

7 p.m.—Church Service from Chalmers Presbyterian Church Hobart.
At conculusion of Church Service Band concert from St. Davids Park.
9.40 p.m.—Mercury special Interstate news service.
British Official Wireless news.
Ships within wireless range.
9 p.m.—Weather forecasts.
Station announcements.
Monday's programme.
Close down.

Monday, April 23

2FC, SYDNEY

EARLY MORNING SESSION.
7 a.m. to 8 a.m.

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.—Last minute Racing information by the 2FC Commissioner.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben." Studio music.
11.5 a.m.—A.P.A. and Reuter's Cable Services.
11.15 a.m.—A reading.
11.30 a.m.—Close down.

MIDDAY SESSION.

12 noon.—"Big Ben" and programme announcements.
12.2 p.m.—Stock Exchange, first call.
12.3 p.m.—Weather forecast, rainfall.
12.5 p.m.—Studio music.
12.10 p.m.—Summary of "Sydney Morning Herald" news service.
12.15 p.m.—Rugby wireless news.
12.20 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.3 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.—Clara Hunt, mezzo.
1.35 p.m.—Studio music.
1.55 p.m.—Clara Hunt, mezzo.
2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.
3.5 p.m.—Aldyth Hern, soprano.
3.9 p.m.—Pianoforte solo:
Pupil of Iris de Cairos Rego.
3.15 p.m.—Nellie Kemp, soprano.
3.20 p.m.—A reading.
3.35 p.m.—Molly Neill, mezzo.
3.40 p.m.—Pianoforte solo:
Pupil of Iris de Cairos Rego.
3.46 p.m.—Aldyth Hern, soprano.
3.50 p.m.—From the Ambassadors:
The Ambassadors Dance Orchestra.
Conductor, Al. Hammet.
4 p.m.—"Big Ben."
Colin Terret, bass.
4.5 p.m.—Nellie Kemp, soprano.
4.10 p.m.—Pianoforte solo:
Pupil of Iris de Cairos Rego.
4.26 p.m.—Colin Terret, bass.
4.30 p.m.—From the Ambassadors:
The Ambassadors Dance Orchestra.
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Molly Neill, mezzo.
4.50 p.m.—From the Ambassadors:
The Ambassadors Dance Orchestra.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.40 p.m.—The chimes of 2FC.
5.45 p.m.—The "Hello Man" talks to the children.
6.15 p.m.—Story time for the young folk.
6.30 p.m.—Dinner music.
7 p.m.—"Big Ben." Late sporting news.
7.10 p.m.—Dalgety's Market Reports (wool, wheat, stock).

YOU want value for your money—everyone does. You expect your valve to give you long service—it should. If it is a Cossor, it will. All Cossor Valves give long service because the special Kalenised filaments with which they are fitted are tremendously tough. When a Cossor Valve is working no glow is visible, proving that the Kalenised filament is never subjected to any excessive temperature which might ultimately cause it to become brittle. But besides long service, every Cossor user gets a much higher standard of reproduction. Every note in the harmonic scale is re-created with perfect clarity and with absolute truthfulness.

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7.18 p.m.—Fruit and vegetable markets.
7.22 p.m.—Weather and shipping news.
7.26 p.m.—"Evening News" late news service.

NIGHT SESSION.

7.40 p.m.—Announcing an "Old Time" programme.
7.45 p.m.—Elliott Napier. Talk No. 3: "The Great Barrier Reef."
8 p.m.—"Big Ben."
Alfred Cunningham, baritone.
8.8 p.m.—Henry Silver, Graphology Talk.
8.23 p.m.—Virginia Bassetti, contralto.
8.30 p.m.—The 2FC Studio Orchestra. Conductor, Horace Keats.
8.42 p.m.—Louise Homfrey (lady baritone) and Charles Lawrence: "Knocked Them in the Old Kent Road."
8.47 p.m.—The 2FC Studio Orchestra.
9 p.m.—"Big Ben" and late weather forecast.
Alfred Cunningham, baritone:
(a) "Punchinello."
(b) "To-morrow."
(With orchestral accompaniment.)
9.8 p.m.—Fred Philpotts, cornet solo.
9.14 p.m.—Louise Homfrey, lady baritone.
9.22 p.m.—The 2FC Orchestra.
9.32 p.m.—Virginia Bassetti, contralto. (With orchestral accompaniment.)
9.40 p.m.—The 2FC Orchestra.
9.55 p.m.—Louise Homfrey and Charles Lawrence: "On the Banks of the Wabash."
10 p.m.—"Big Ben."
Fred. Philpotts, cornet solo.
10.6 p.m.—The 2FC Orchestra.
10.20 p.m.—Charles Lawrence, entertainer.
10.30 p.m.—Late weather forecast.
10.31 p.m.—Dance Session, conducted by Len Maurice.
10.57 p.m.—To-morrow's programme and late news.
11 p.m.—"Big Ben."
National Anthem.
Close down.

2BL, SYDNEY

MONDAY, 23rd APRIL, 1928.

EARLY MORNING SESSION.
8 a.m. to 9 a.m.

MORNING SESSION.

10.30 a.m.—G.P.O. clock and chimes.
Musical programme from the Studio.
11 a.m.—G.P.O. clock and chimes.
Talk on "Tennis" by Miss Gwen Varley, Broadcasters' women's sports authority.
Social notes. Replies to correspondents.
Talk on "Preserves" by Mrs. Jordan.
12 noon.—G.P.O. clock and chimes.
Special ocean forecast and weather report.
12.3 p.m.—Musical programme from the Studio.
12.8 p.m.—Information. Mails, shipping, and port directory.
12.12 p.m.—Boats in call by wireless.
12.14 p.m.—Fruit market report.
12.16 p.m.—Vegetable market report.
12.18 p.m.—Dairy farm and produce market report.
12.22 p.m.—Forage market report.
12.24 p.m.—Fish market report.
12.26 p.m.—Rabbit market report.
12.28 p.m.—Stock Exchange report.
12.30 p.m.—H.M.V. gramophone recital.
1.27 p.m.—Stock Exchange report.
1.30 p.m.—G.P.O. clock and chimes
Talk to children and special entertainment for children in hospital.
2 p.m.—G.P.O. clock and chimes.
Close down.

AFTERNOON SESSION.

Racing information broadcast immediately after each race by courtesy of the "Sun Newspapers."
3 p.m.—G.P.O. clock and chimes.
News from the "Sun."
3.10 p.m.—Musical programme from the Studio.
3.20 p.m.—News from the "Sun."
3.30 p.m.—Musical programme from the Studio.
3.40 p.m.—Dungowan Dance Band broadcast from Dungowan Cabaret.
4 p.m.—G.P.O. clock and chimes.
News from the "Sun."
4.8 p.m.—Musical programme from the Studio.
4.15 p.m.—Talk on "The Women of Ancient Rome."
4.30 p.m.—Dungowan Dance Band.
4.50 p.m.—News from the "Sun."
4.57 p.m.—Features of evening's programme.
4.59 p.m.—Racing resume.
5 p.m.—G.P.O. clock and chimes.
Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. clock and chimes.
Children's session.

SPECIAL COUNTRY SESSION.

6.30 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 report.
Grain and fodder report ("Sun")
Dairy produce report ("Sun").
6.45 p.m.—Country news from the "Sun."
7 p.m.—G.P.O. clock and chimes.
Gulbransen dinner music.
7.30 p.m.—Talk on "The Motor Car and its Idiosyncrasies," by Mr. Martin, manager of Central Motor Agencies, Hurstville.

EVENING SESSION.

8 p.m.—G.P.O. clock and chimes.
Programme of music and Shakespeare on the occasion of the anniversary of the Bard's Birthday.
8.1 p.m.—Mr. Lawrence Broadbent, baritone.
8.8 p.m.—The Wurlitzer organ broadcast from the Arcadia Theatre, Chatswood, organist, Mr. N. Robins.
8.15 p.m.—Miss Amy Ostinga, contralto.
8.22 p.m.—Mr. W. S. Reay, elocutionist.
8.30 p.m.—Description of the Shakespeare pageant and a running commentary on the sets and costumes during the grand march, broadcast from the ball in honor of the poet by the English-speaking Union, at the Hotel Wentworth.
9 p.m.—G.P.O. clock and chimes.
Weather report and forecast by courtesy of Mr. C. J. Mares, Government Meteorologist.
9.1 p.m.—Mr. Peter Sutherland, basso.
9.8 p.m.—Broadcasters' Instrumental Trio.
9.15 p.m.—Mr. Norman Wright, tenor.
9.22 p.m.—Miss Mary Charlton, pianist.
9.29 p.m.—Mr. W. S. Reay.
9.39 p.m.—Miss Amy Ostinga.
9.46 p.m.—Broadcasters' Instrumental Trio.
9.53 p.m.—Mr. Peter Sutherland.
10 p.m.—G.P.O. clock and chimes.
Miss Mary Charlton.
10.7 p.m.—Mr. Norman Wright.
10.14 p.m.—Duet: Miss Amy Ostinga and Mr. Peter Sutherland.
10.19 p.m.—Resume of following day's programme.
10.22 p.m.—The Wurlitzer organ broadcast from the Arcadia Theatre, Chatswood.
10.30 p.m.—Talk on "Ceylon—the Gem of the East," by Mr. Basil Kirke (courtesy P. and O. Company).
10.36 p.m.—Romano's Restaurant Dance Orchestra under the direction of Mr. Merv. Lyons. During intervals between dances, "Sun" news will be broadcast.
11.30 p.m.—G.P.O. clock and chimes.
National Anthem.

2GB, SYDNEY

MONDAY, 23rd APRIL, 1928.

MORNING SESSION.

10 a.m.—Music.
10.10 a.m.—Happiness Talk.
10.20 a.m.—Music.
10.30 a.m.—Women's Session.
11 a.m.—Close down.

AFTERNOON SESSION.

2 p.m.—Music.
2.7 p.m.—Talk.
2.35 p.m.—Music.
3 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—Children's Session by Uncle George.
6.30 p.m.—New Zealand Loan and Mercantile Agency Co., Ltd., Stock and Market reports.
7.15 p.m.—Music.
7.30 p.m.—Talk on "Care of the Car," by Mr. H. Kesby.
7.45 p.m.—Music.
8 p.m.—Opening Chorus.
8.5 p.m.—Flute Solos by Mr. Leslie Sproule.
8.8 p.m.—Songs by Mr. Sam H. Harris.
8.15 p.m.—Address.
8.30 p.m.—Humorous items by Mr. Reg. Harrison.
8.37 p.m.—Violin solos by Mr. Leonard Brewer
8.45 p.m.—Songs by Miss Maisie Wren.
8.52 p.m.—Flute solos by Mr. Leslie Sproule.
9 p.m.—Talk.
9.20 p.m.—Humorous items by Mr. Reg. Harrison.
9.27 p.m.—Songs by Mr. Sam H. Harris.
9.37 p.m.—Violin solos by Mr. Leonard Brewer
9.40 p.m.—A Humorous Reading.
9.50 p.m.—Songs by Miss Maisie Wren.
10 p.m.—Close down.

2UW, SYDNEY

MONDAY, 23rd APRIL, 1928.

EVENING SESSION.

7 p.m.—Studio items.
7.10 p.m.—Where to Go session.
7.14 p.m.—Dinner music.
7.45 p.m.—Mrs. A. Dalton:
Pianoforte solo. Selected.
7.52 p.m.—Studio item.
7.56 p.m.—Mrs. A. Pearce:
Violin solo. Selected.
8.2 p.m.—News items and shipping intelligence
8.20 p.m.—Mr. Robert Meadows.
Euphonium solo. Selected.
8.27 p.m.—Studio items.
8.31 p.m.—Mrs. A. D[illegible]
Selected.
8.38 p.m.—Studio item.
8.42 p.m.—Mrs. A. Pearce:
Violin solo. Selected.
8.49 p.m.—Weather report.
8.52 p.m.—Mr. Robert Meadows:
Euphonium solo. Selected.
9 p.m.—Dance music.
9.20 p.m.—Vocal and instrumental items.
9.30 p.m.—Request numbers.
9.45 p.m.—Dance music.
9.58 p.m.—Announcements.
10 p.m.—Close down.

3LO, MELBOURNE.

MONDAY, 23rd APRIL, 1928.

EARLY MORNING SESSION.
7.15 a.m. to 8.15 a.m.

MORNING SESSION.

11 a.m.—3LO's CULINARY COUNSELS, or How to Create Creature Comforts with a Minimum of Cash.

BLOATER PASTE.

Three red herrings, not quite ½lb. butter, 1 breakfast cup cream, 1 pinch cayenne. Bone herrings and put through mincer, add other ingredients, put in jar, and boil together for two hours. Take off the stove, and as it is cooling, stir the mixture occasionally.

THE SHRINE OF REMEMBRANCE.

"Let our object be our country, our whole country, and nothing but our country. And by the blessing of God, may that country itself become a vast and splendid monument, not of oppression and terror, but of wisdom, of peace, and of liberty, upon which the world may gaze with admiration for ever!"

—Daniel Webster.

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DFA SERIES	7/6 each

with English or U.V. Base

CHARACTERISTICS AS PER THIS TABLE.

	2/-	2/-	6/-	6/-	6/-
Type.	H.F.	L.F.	D06 H.F.	D3 H.F.	D3 Det.
Filament voltage.	3.2—3.8	3.2—3.8	3.0	1.8—2.0	1.6—2.0
Filament current, amps	0.6	0.6	.06	0.3	0.3
Anode voltage ..	30—90	30—90	50—125	50—125	20—100
Total emission, m/a.	5	5	8.0	8.0	8
Impedance, ohms.	90,000	30,000	60,000	60,000	16,000
Purpose	Radio, also Resistance Coupling	Audio	Radio, also Resistance Coupling	Radio, also Resistance Coupling	Detector

	6/-	6/-	7/6	7/6	7/6
Type.	D3 L.F.	MD3	DFA1	DFA3	DFA4
Filament voltage.	1.8—2.0	1.8—2.0	5.5	5.5—6.0	5.5
Filament current, amps.	0.3	0.3	0.2	.06	0.2
Anode voltage ..	30—100	30—100	50—100	50—100	75—125
Total emission, m/a.	8.0	8.0	25.0	15.0	15.0
Impedance, ohms.	16,000	16,000	8,300	13,000	27,000
Purpose	Audio	Audio	Power Amplifier	Audio	Resistance Coupling

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11.6 a.m.—FLORA PELL, Inspector of Schools, will chat with you on the all important subject of "Cooking."
11.20 a.m.—Musical Interlude.
11.25 a.m.—Under the auspices of the Royal Victorian Institute of Architects, Mrs. J. W. Wright will speak on "The Development of the Australian Home."
11.40 a.m.—Musical Interlude.
11.45 a.m.—Under the auspices of the St. John's Ambulance Association (Victoria Centre).
J. H. LORD, Secretary of the Association, will speak on "Emergency Treatment of Various Injuries, including Burns and Scalds."

MIDDAY SESSION.

12 noon.—Melbourne Observatory time signal.
12.1 p.m.—British official wireless news from Rugby. Reuter's and the Australian Press Association cables. "Argus" news service.

COMMUNITY SINGING:

12.15 p.m.—Community Singing, transmitted from the Assembly Hall, Collins Street, Melbourne. Conductor, G. J. MACKAY, assisted by the GYPSY PLAYERS.
Soloists:
MOLLY MacKAY, soprano:
"April Morn" (Batten).
"Second Minuet" (Besley).
FRANK AND FRANCIS LUIZ:
Selected.

FROM THE STUDIO:

1.45 p.m.—Stock Exchange information. Meteorological information. Weather forecast and rainfall for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast. River reports. Announcements.
1.55 p.m.—Close down.

AFTERNOON SESSION.

2.15 p.m.—THE STATION ORCHESTRA: Selection, "So Long, Letty" (Carrol).
2.25 p.m.—ROY GALLOWAY, baritone (by permission J. C. Williamson, Ltd.):
"Melodious Memories."
2.32 p.m.—NED TYRRELL, banjo:
"Lantern of Love."
2.37 p.m.—THE STATION ORCHESTRA:
"Three Dream Dances" (Coleridge-Taylor).
2.47 p.m.—BERYL HAYDEN, soubrette (by permission J. C. Williamson, Ltd.), and now a little fun to wake you up after all that dreaming.
2.54 p.m.—THE STATION ORCHESTRA:
Selection, "The Geisha" (Jones).
3.9 p.m.—RUPERT HAZELL AND ELSIE DAY:
Heart throbs from the one-string fiddle, and appropriate greetings from the grandmother.
3.24 p.m.—THE STATION ORCHESTRA:
"Romanze" (Rubenstein).
"Madrigale" (Simonetti).
"Polish Dance" (Thoma).
3.34 p.m.—FRANK AND FRANCIS LUIZ:
Duet, "Imi Au Ea De."
Song, "Knu Home."
Steel Guitar items: Selected.
3.45 p.m.—THE STATION ORCHESTRA:
"Dance of the Hours" (Ponchielli).
3.55 p.m.—ROY GALLOWAY, baritone:
"Grave and Gay."
4.2 p.m.—AGNES FORTUNE, piano:
Selected.
4.10 p.m.—THE STATION ORCHESTRA:
"Lo, Hear the Gentle Lark" (Bishop).
"Spanish Dance" (Moszkowski).
4.20 p.m.—MOLLY MacKAY, soprano:
"Angels Guard Thee" (Godard).
"The Lass with the Delicate Air" (Arne).
4.27 p.m.—THE STATION ORCHESTRA:
"Ave Maria" (Gounod).
4.34 p.m.—WILL PAGE, Xylophone:
"Sparks" (Elford).
4.38 p.m.—BERYL HAYDEN, soubrette:
"Brighter Bits."
4.43 p.m.—Weather reports.
4.45 p.m.—THE STATION ORCHESTRA:
"Dance of Egyptian Maidens" (Shelley).
4.50 p.m.—MOLLY MacKAY, soprano:
"Love's a Rosebud" (Mallinson).
"Les Papillons" (Chanson).
4.57 p.m.—THE STATION ORCHESTRA:
Selection, "Tangerine" (Sanders).
5.7 p.m.—"Herald" news service.
Stock Exchange information.
5.15 p.m.—Close down.
During the afternoon the results of the Fitzroy Pony Races will be broadcast hourly.

EVENING SESSION.

6 p.m.—Answers to Letters and Birthday Greetings by "BILLY BUNNY."
6.20 p.m.—CAPTAIN DONALD MacLEAN:
"The Spanish Conquests:
How the Dons Discovered the Treasures of the World."
6.35 p.m.—Musical interlude.
6.40 p.m.—"BILLY BUNNY":
More Stories of the Australian Bush.
NEWS AND MARKET REPORTS:
7 p.m.—Official report of Newmarket Stock Sales by the Associated Stock and Station Agents, Bourke Street, Melbourne. Number of Sheep and Cattle drawn for week's sales.
7.5 p.m.—"Herald" news service. Weather synopsis. Shipping movements.
7.12 p.m.—Stock Exchange information.
7.17 p.m.—Fish Market reports, by J. R. Borrett, Ltd. Rabbit prices.
7.19 p.m.—River reports.
7.21 p.m.—Market Reports by the Victorian Producers' Co-operative Co., Ltd: Poultry, Grain, Hay, Straw, Jute, Dairy Produce, Potatoes, and Onions. Market reports of fruit by the Victorian Fruiterers' Association—retail prices. Wholesale Prices of Fruit by the Wholesale Fruit Merchants' Association. Citrus Fruits.

NIGHT SESSION.

7.30 p.m.—E. C. H. Taylor will speak to Young Australia on "School Life and School Sport."
7.45 p.m.—COLONEL POTTINGER:
Asiatic problems affecting Australia:
"Other Countries of Asia."
8 p.m.—R. CHALMERS, Australian team coach at inter-allied games, Paris, will speak on:
"Ages and Athletics."
8.15 p.m.—Birthday greetings and programme annuoncements.

GRAND OPERA.

8.16 p.m.—STUDIO PRESENTATION OF "IL TROVATORE," Part 2, conducted by J. SUTTON CROW, assisted by the UNIVERSITY CHORAL CHOIR.

CAST:

Leonora, Madame Elsie Davies.
Count di Luna, Chas. Evans.
Ferrando, Frank Davies.
Manrico, John D. Sullivan.
Azucena, Ina Lillycrap.
Inez, Marjorie Robison.
Ruiz, Colin Nash.

SHAKESPEARIAN PROGRAMME.
"AS YOU LIKE IT."

9.31 p.m.—THE STATION ORCHESTRA:
Incidental music to "The Merchant of Venice" (Rosce).
9.42 p.m.—GUY MOORE, tenor:
"O Mistress Mine" (Quilter).
"Come Away, Death" (Quilter).
9.49 p.m.—J. HOWLETT ROSS. SHAKESPEARE, with a Hamlet recital.
10.4 p.m.—THE STATION ORCHESTRA:
"As You Like It" (Quilter).
10.14 p.m.—MONA NUGENT, soprano:
"Willow, Willow" (Anon).
"It was a Lover and His Lass."
10.21 p.m.—THE STATION ORCHESTRA:
"Songs from Shakespeare's Time."
10.30 p.m.—GUY MOORE, tenor:
"Hark, Hark, the Lark" (Schubert).
"Sigh No More, Ladies" (Stephens).
10.37 p.m.—THE STATION ORCHESTRA:
Suite, "Merry England."
10.44 p.m.—MONA NUGENT, soprano:
"Who is Sylvia?" (Schubert).
"When Daisies Pied" (Arne).
10.51 p.m.—"Argus" News Session. Meteorological information. British official wireless news from Rugby.

The Royal Automobile Club of Victoria's SAFETY MESSAGE for to-day is:

"If an accident happens keep your head and do not leave the scene of the accident until you are justified in doing so. The driver who runs away after an accident commits a serious offence.

11 p.m.—OUR GREAT THOUGHT:

'A hero is—as though one should say—a man of high achievement, who performs famous exploits—who does things that are heroical, and in all his actions and demeanor is a hero indeed.

—H. Brooke.

To-day is the festival of ST. GEORGE, the Patron Saint of England. Let us make this the occasion for remembering the heroes who guarded England in the Great War and contribute our mites to THE SHRINE OF REMEMBRANCE.

11.1 p.m.—THE VAGABONDS:
Dance Music.
11.40 p.m.—"GOD SAVE THE KING."

3AR, MELBOURNE

MONDAY, 23rd APRIL, 1928.

EARLY MORNING SESSION.

9.15 a.m.—Description of the arrival of the Mail Liner from Overseas at Princes Pier, Port Melbourne, by Mr. J. D. Porter, of the "Graphic."

MORNING NEWS SESSION.
11 a.m. to 12 noon.

MIDDAY CONCERT SESSION.
12.1 p.m. to 1.54 p.m.

Transmitted from Panatrope House, 252 Collins Street (by exclusive permission of Wills and Paton, Ltd.), on the Brunswick Panatrope.

MATINEE SESSION.

ORCHESTRAL DANCE CONCERT.

Sport: During the afternoon the results of the Fitzroy Ponies, together with other information, will be broadcast immediately each race is run.
2 p.m.—Ayarz Dansonians:
A half-hour Dance Session of the latest popular Dance hits by Melbourne's favorite Dance Band, each one announced prior to its presentation.
2.30 p.m.—Melbourne Concert Orchestra:
Suite, "Summer Days" (Eric Coates).
"Scene Passionee" (Becce).
2.45 p.m.—Miss Frances Dillon, soprano:
"The Market" (Molly Carew).
"Des Hold my Hands To-night" (Carrie Jacobs Bond).
2.52 p.m.—Melbourne Concert Orchestra:
Selection, "Queen High" (Hanley).
"From Stage to Stage" (Fetras).
3.15 p.m.—Miss Frances Dillon, soprano:
"Fairy Love" (Clarke).
"Spring" (Tosti).
3.22 p.m.—Ayarz Dansonians:
Fox Trot, "Are You Happy" (Ager).
Fox Trot, "Persian Rug" (Kahn).
3.30 p.m.—Interval announcements.
3.40 p.m.—Melbourne Concert Orchestra:
"Three African Dances" (Ring).
Selection, "The Maid of the Mountains" (Fraser-Simpson).
4 p.m.—G.P.O. Clock says "Four."
4.1 p.m.—Second weather forecast, specially for our country listeners.
4.3 p.m.—Mr. Ken Code, trombone:
"Until" (Sanderson).
4.7 p.m.—Mr. Robert Allen, alto:
"Little Brown Cottage" (Dickson).
"In the Garden of To-morrow" (Jessie Deppin).
4.14 p.m.—Melbourne Concert Orchestra:
"Die Moldau" (Smetana).
4.29 p.m.—Mr. Robert Allen, alto:
"I know of Two Bright Eyes" (Clutsam).
"Over the Waters Blue" (Clarke).
4.36 p.m.—Ayarz Dansonians.
4.50 p.m.—To-night's Entertainment.
4.55 p.m.—Special Racing Report, acceptances and barrier positions for the Ballarat Miners' Races by "Daybreak."
5 p.m.—G.P.O. Clock says "Five."
"God Save the King."

CHILDREN'S SESSION.

6.30 p.m.—3AR's Cousin Peter.

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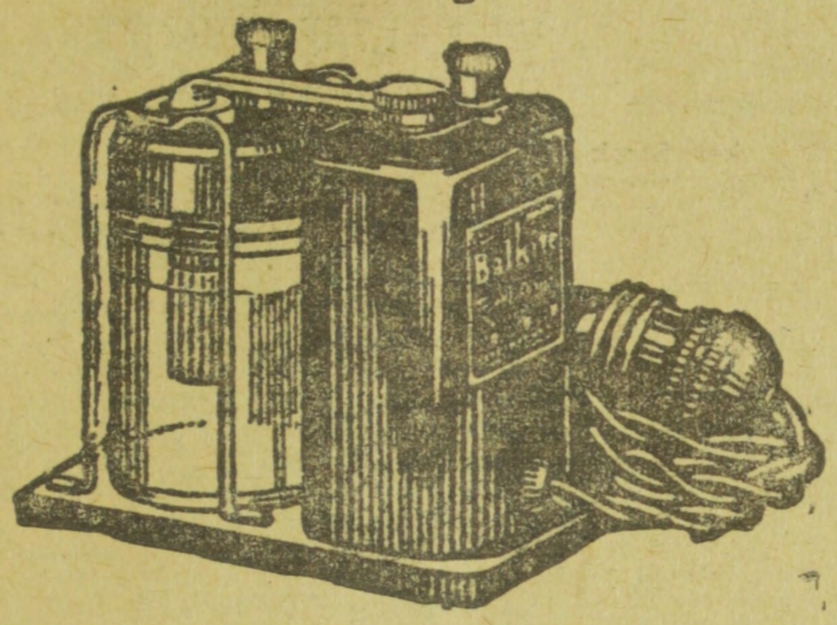

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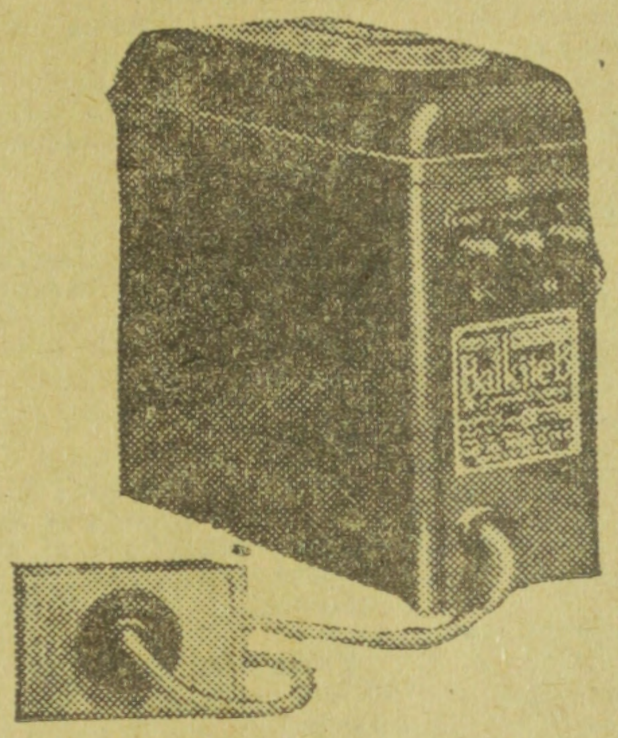

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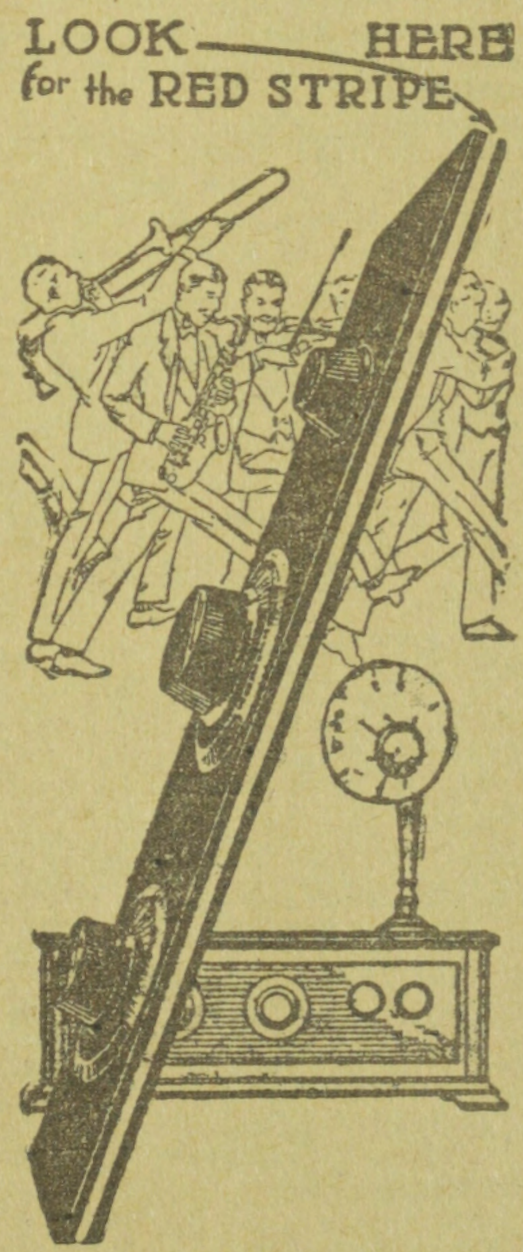

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EVENING SESSION.
EVERYBODY'S CONCERT.

7.15 p.m.—Hobby Session: "Snapshot" of the Listener-In will speak on Photography for Beginners.
7.25 p.m.—Sport Session: "Harlequin" presents his budget of up-to-date news and comments on Sport of the day.
7.30 p.m.—Mr. C. H. Holmes, Chairman of the Railways Betterment Board, will speak on the Proposed World Touring Scheme."
7.45 p.m.—Miss Francis Dillon, leading lady in "The Peacemaker," will talk from her dressing-room at the Athenaeum Theatre.
7.50 p.m.—Macnamara's Stock Report.
8 p.m.—G.P.O. Clock says "Eight."
8.1 p.m.—Melbourne Concert Orchestra:
Selection, "Mary Jane McKane" (Youmans).
Suite, "Owa La Danse" (Finck).
8.20 p.m.—Miss Ann Middleton, soprano:
"The Flutes of Arcady" (James).
"O Sleep, Why Dost Thou Leave Me" (Handel).
8.27 p.m.—Ayarz Dansonians.
8.43 p.m.—Miss Ann Middleton, soprano:
"The Nightingale and the Rose" (Thompson).
"The Lass with the Delicate Air" (Arne).
8.50 p.m.—Announcements.
9.2 p.m.—Melbourne Concert Orchestra,
Selection, "From the Highlands" (Langey).
9.30 p.m.—"Harlequin": Sport results.
9.38 p.m.—Mr. Ernest Pettifer, clarinet:
"Spring's Awakening" (Bach).
9.42 p.m.—Ayarz Dansonians:
Fox Trot, "Mary" (Donaldson).
Fox Trot, "A Shady Tree" (Donaldson).
Waltz, "So Blue" (Henderson).
9.50 p.m.—Announcements.
10 p.m.—G.P.O. Clock says "Ten."
10.1 p.m.—Semi-final weather forecast, specially for our Country Listeners.
10.3 p.m.—Mr. John Hobbs, bass-baritone:
"At Gretna" (Morie).
"The Adjutant" (Fisher).
10.11 p.m.—Melbourne Concert Orchestra:
Selection, "Daffy Dill" (Stothart).
Suite, "Where Nile Waters Flow" (Andre).
10.30 p.m.—Mr. John Hobbs, bass-baritone:
"Beware of the Maidens" (Day).
"Captain Strutton's Fancy" (Warlocks).
10.38 p.m.—Mr. C. Richard Chugg, flute:
"Pastorale and Bouree' (Sir Ed. German).
10.42 p.m.—Ayarz Dansonians:
Fox Trot, "Tell me, Little Daisy" (Miles).
Fox Trot, "Magic Voices of the Night" (Gusman).
10.45 p.m.—"Harlequin": Sport results.
10.52 p.m.—The "Age" News Bulletin, exclusive to 3AR.
10.58 p.m.—Final weather forecast.
10.59 p.m.—Our Australian Good-night Quote is taken from the poem, "The Australian," by Mary Gilmore.
11 p.m.—G.P.O. Clock says "Eleven."
"God Save the King."

4QG, BRISBANE.

MONDAY, 23rd APRIL, 1928.

A Science Talk: "The Story of the Boomerang," by Mr. Inigo Jones.
7.45 p.m.—Lecturette: "The Children's Music Corner," conducted by "The Music Man."

NIGHT SESSION.

The first portion of to-night's programme will be provided by Mr. A. Sharman's Party.
Tenor solo:
"Eleanor" (Coleridge-Taylor).
Mr. J. B. Hogan.
Pianoforte solo:
"Butterfly" (Lanelle).
Miss Dorothy Clapham.
Soprano solo:
"Lament of Isis" (Bantock).
Miss Ivy Plane.
Quartette:
"All Among the Barley" (Stirling).
Misses Brett and Baine.
Mrs. Bignall and Hardy.
A Thought for To-night (Will H. Lister).
"Yesterday, To-day and Tomorrow."
Pianoforte solo:
"Last Movement Sonata A Flat Op. 26." (Beethoven).
Miss Iris Ness.
Tenor solo:
"On with the Motley" (Leoncavallo).
Mr. J. P. Hogan.
Soprano solos:
(a) "Because of You" (Liddle).
(b) "Happy Day" (Sanderson).
Miss Ivy Plane.
Pianoforte solos:
(a) "Valse Reverie" (Yorke Bowen).
(b) "Polonaise in C Op. 16" (Slunicko).
Mr. Arthur Sharman.
Quartette:
"Who's dat a-Calling" (Hurt).
Misses E. Plane and Baine.
Mrs. Bignell and Mrs. Hardy.
Pianoforte solo:
"Loreley" (Seeling).
Miss Iris Ness.

PART II.

9 p.m.—Some mouth organ and accordeon music by "The Sandman."
Contralto solos:
(a)
(b)
Miss Lorraine Lochner.
A Quarter of an Hour's Fun by "Graham and Wattie."
Some more mouth organ music by "The Sandman."
Soprano solos:
Selected.
Mrs. Robert Bell.

PART III.

The latter portion of to-night's programme will take the form of the last of a series of four Radio Novelties which have been presented to listeners over a period of four weeks.

Those who are interested in the Novelty should arm themselves with a piece of paper and a pencil, and should listen carefully to the preliminary instructions which will be given from the station at the commencement of the Radio Novelty.

9.30 p.m.—From the Studio:
Radio Novelty: "A Test of Quick Wits."
10 p.m.—From the Studio:
"The Daily Mail" news; weather news.
Close down.

5CL, ADELAIDE.

MONDAY, 23rd APRIL, 1928.

MIDDAY SESSION.
12 noon. to 2 p.m.

AFTERNOON SESSION.

3 p.m.—G.P.O. Chimes.
3.1 p.m.—Musical numbers on the Studio "Recreator."
3.30 p.m.—Menu talk by "Homelover."
3.45 p.m.—Musical numbers on the Studio "Recreator."
4.57 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.
5 p.m.—G.P.O. Chimes and close down.

EVENING SESSION.

6 p.m.—G.P.O. Chimes.
6.1 p.m.—Children's time with the 5CL Radio Family.
6.30 p.m.—Dinner Music on the Studio "Recreator."
7 p.m.—G.P.O. Chimes.
7.1 p.m.—General Market reports by A. W. Sandford and Co., A. E. Hall and Co., Dalgety and Co., S.A. Farmers Co-operative Union, Taylor Bros., Retail Grocer's Association, Interstate Fruit and Produce Market Co. Ltd.
7.10 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.
7.15 p.m.—Resume of the previous Saturday's sporting.
7.30 p.m.—"The care of the clothes" by Ford Bros.
7.40 p.m.—Entertainment by the "Twinkler" and his 5CL Boys Club.
8 p.m.—G.P.O. Chimes.
8.1 p.m.—Grosvenor Orchestra,
Selection, "A Night Out" (Redstone).
8.11 p.m.—Alice Burke, soprano:
"Vissi Darce" (La Tosca) (Puccini).
"The Blind Ploughman" (Clarke).
8.18 p.m.—Grosvenor Orchestra:
Fox trot, "Virginia Rose" (Sherry).
8.23 p.m.—Lyric Four, Male Quartette.
8.28 p.m.—Grosvenor Orchestra:
Waltz, "Whirled into Happiness" (Stelz).
8.34 p.m.—Alice Bourke, Soprano:
"It is only a tiny garden" (Haydn-Wood).
8.38 p.m.—Lyric Four, Male Quartette.
8.45 p.m.—Harry Hannam, cornet:
"Only a smile" (Zamenik).
8.51 p.m.—Leonard Crisp, tenor:
"E Lucevan le Stelle" from "La Tosca" (Puccini).
"O Sole Mio" (Eduardo di Capua).
8.58 p.m.—Station Announcements.
9 p.m.—G.P.O. Chimes.
9.1 p..m—Meteorological information, weather forecast, Dalgety's wheat report.
9.2 p.m.—International news.
9.10 p..m—Grosvenor Orchestra:
Quickstep, "Repasz Band" (Sweeley).
9.15 p.m.—Leonard Crisp, tenor:
"Lay my head beneath a rose."
9.19 p.m.—Jas. Glennon, violinist:
"Air" (Matheson.)
"Warum" (Schumann).
9.25 p.m.—Frank Charlton, basso:
"So fair a flower" (Lohr).
"Nita Gitana" (Newton).
9.32 p.m.—Grovenor Orchestra, fox trot:
"On the blue Lagoon" (Dunlop).
9.37 p.m.—Lyric Four, male quartette.
9.43 p.m.—Jas. Glennon, violinist:
"Serenade" (Pierne).
9.48 p.m.—Frank Charlton, basso:
"Out on the deep." (Lohr).
9.52 p.m.—Grosvenor Orchestra:
Selection, "H.M.S. Pinafore" (Sullivan).
10.4 p.m.—"Advertiser" News Serice, Wireless Shipping, Interstate and local sporting.
10.16 p.m.—Jas. Glennon, violinist.
"Mazurka in A Minor" (Chopin-Kreisler).
10.21 Grosvenor Orchestra:
March, "College Stunts" (Zamenik).
10.26 p.m.—International News.
10.33 p.m.—Relay from Glenelg, The Maison Dance Band.
10.55 p.m.—Weather forecast, station announcements, to-morrow's programme.
11 p.m.—G.P.O. Chimes and National Anthem.

6WF, PERTH.

MONDAY, 23rd APRIL, 1928.

MIDDAY SESSION.

12.30 p.m.—Tune in.
12.35 p.m.—Markets, news, and cables.
1 p.m.—Time signal.
1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—Lunch Hour Music.
Brunswick Panatrope hour relayed from Messrs. Musgrove's Limited Concert Hall, Murray street.
2 p.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—Tune in.
3.35 p.m.—Afternoon Tea Concert relayed from the Carlton Cafe, Hay Street.
Vocal and instrumental numbers from the studio.
4.30 p.m.—Close down.

EVENING SESSION.

6.45 p.m.—Tune in.
The evening transmission is broadcast on 104.5 metres as well as the usual wavelength.
6.50 p.m.—Stories for the Kiddies by Uncles Henry, Bertie, and Duffy.
7.20 p.m.—Stocks, Markets, News.
7.45 p.m.—Talk by Lieut. Col. Le Souef, Director of the Zoological Gardens, South Perth.
8 p.m.—Time signal.
8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
Station announcements such as alterations to programmes, etc.
8.3 p.m.—From the Studio.
Vocal and instrumental items by the Rivervale Choir, conducted by Mr. T. Lund.
10 p.m.—Late News items by courtesy of "The Daily News" Newspaper Co.
Ships within Range announcement.
Weather report and forecast.

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10.30 p.m.—Close down.

104.5 METRE TRANSMISSION.

Simultaneous broadcdasdt on 104.5 metres of Programme given on 1250 metres, commencing at 6.45 p.m.

7ZL, HOBART

MONDAY, 23rd APRIL, 1928.

MORNING SESSION.

11 a.m.—G.P.O. Clock chimes the hour.
11.1 a.m.—Special Midlands Weather forecast.
11.5 a.m.—British Official Wireless news.
11.10 a.m.—Mercury morning news service.
11.30 a.m.—Shipping information.
Ships within wireless range.
Mail notices. Commercial news.
Foreign Exchange markets.
Produce sales. Housewives guide.
Railway Sales.
11.45 a.m.—Musical selections.
11.50 a.m.—Whats Doing.
Amusement guide.
12 noon.—G.P.O. Clock chimes the hour.
Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Clock chimes the hour.
3.1 p.m.—Musical selections.
3.5 p.m.—Hobart Stock Exchange quotations.
Weather information.
Items of interest.
3.15 p.m.—Selections by 7ZL Studio Trio:
Valse, "Vision of Salome" (Joyce).
"Chanson Triste" (Brown).
Fox trot, "Baby Feet" (Donaldson).
Violin Solo. Selected. Mr. E. J. McCann.
"Little Flirt" (Bendix).
Clarionet Solo. Selected. Mr. A. Young.
"Baby Face" (Joyce).
Pianoforte Solo. Selected. Mr. A. Roberts.
4.15 p.m.—Fashion talk by Aunt Edna of Brownells Ltd.
4.30 p.m.—Close down.

EARLY EVENING SESSION.

6.30 p.m.—Uncle Hubert's half hour.
7 p.m.—Funny Man talks to the children.

NIGHT SESSION.

7.30 p.m.—Musical selection.
7.35 p.m.—Cooking Talk by "Regulo."
7.50 p.m.—Mercury special Tasmanian news service.
Railway auction produce sales.
Weather forecasts.
Hobart Stock Exchange quotations.
8 p.m.—G.P.O. Clock chimes the hour.
8.1 p.m.—Band Concert by Risdon E.Z. Band. Conductor, Mr. A. Byrne.
9.40 p.m.—British Official Wireless news.
9.50 p.m.—Mercury special Interstate news service.
Tasmanian District Weather reports.
9 p.m. weather reports from Australian Capital cities.
Station announcements.
Tuesday's programme.
10 p.m.—Close down.

Tuesday, April 24

2FC, SYDNEY

EARLY MORNING SESSION.
7 a.m. to 8 a.m.

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.—Last minute Racing information by the 2FC Racing Commissioner.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben." Studio music.
11.5 a.m.—A.P.A. and Reuter's Cable Services.
11.15 a.m.—A talk on Home Cooking and Recipes by Miss Ruth Furst.
11.30 a.m.—Close down.

MIDDAY SESSION.

12 noon.—"Big Ben' 'and announcements.
12.2 p.m.—Stock Exchange, first call.
12.3 p.m.—Official weather forecast, rainfall.
12.5 p.m.—Studio music.
12.10 p.m.—Summary of "Sydney Morning Herald" news service.
12.15 p.m.—Rugby wireless news.
12.20 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.3 p.m.—"Evening News" midday news service.
Producers' Distributing Society's Report.
1.20 p.m.—Studio music.
1.28 p.m.—Stock Exchange, second call.
1.30 p.m.—Doris Robinson, soprano.
1.34 p.m.—Studio music.
1.55 p.m.—Doris Robinson, soprano.
2 p.m.—"Big Ben." Close down.
Race results will be transmitted as received.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.
3.5 p.m.—From the Pitt Street Congregational Church:
Organ Recital by Lilian Frost.
3.20 p.m.—From the Studio:
Dorothy Shields, soprano.
3.25 p.m.—From the Pitt Street Congregational Church:
Organ Solos by Lilian Frost.
3.40 p.m.—From the Studio:
Annie Payne, mezzo.
3.45 p.m.—From the Pitt Street Congregational Church:
Organ Solos by Lilian Frost.
4 p.m.—"Big Ben."
John Dellore, tenor.
4.5 p.m.—From the Pitt Street Congregational Church:
Organ Solos by Lilian Frost.
4.20 p.m.—From the Studio:
Dorothy Shields, soprano.
4.25 p.m.—John Dellore, tenor.
4.30 p.m.—Annie Payne, mezzo.
4.35 p.m.—Studio music.
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Studio music.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.40 p.m.—The chimes of 2FC.
5.45 p.m.—The "Hello Man" talks to the children.
6.15 p.m.—Story time for the young folk:
Fairy Tales told by "Aunt Eily."
6.30 p.m.—Dinner music.
7 p.m.—"Big Ben." Late sporting news.
7.10 p.m.—Dalgety's Market Reports (wool, wheat, stock).
7.18 p.m.—Fruit and vegetable markets.
7.22 p.m.—Weather and shipping news.
7.26 p.m.—"Evening News" late news service.

NIGHT SESSION.

7.40 p.m.—Programme announcements.
7.45 p.m.—Edgar Warwick and Eileen Dawn: Radio Sketch.
8 p.m.—"Big Ben."
The Randwick Municipal Band.
Conductor, E. P. Kerry.
8.12 p.m.—George McNeilly, tenor:
(a) "Great Awakening" (Kramer).
(b) "Duna" (McGill).
8.20 p.m.—Nita Lee, soubrette:
(a) "Some Day You'll Say O.K." (Donaldson).
(b) "Gonna get a Girl' '(Ash).
8.28 p.m.—The Randwick Municipal Band.
Conductor, E. P. Kerry.
8.40 p.m.—O'Mara, entertainer:
(a) "Mildoon's Ball" (Lee and Weston).
(b) "The Maid of the Sweet Brown Knowl" (arr. Hughes).
8.46 p.m.—Lionel Lawson, violinist.
8.56 p.m.—The Randwick Municipal Band.
Conductor, E. P. Kerry.
9.10 p.m.—Late weather forecast.
George McNeilly, tenor:
(a) "Keep on and Smile" (Forster).
(b) Request number.
9.18 p.m.—Edgar Warwick and Eileen Dawn, Radio Sketch.
9.33 p.m.—The Randwick Municipal Band.
9.50 p.m.—Ian Iredale, light tenor.
9.58 p.m.—Lionel Lawson, violinist.
10.8 p.m.—Nita Lee, soubrette:
"Bungalow and You" (O'Hagan).
10.12 p.m.—The Randwick Municipal Band.
10.20 p.m.—Charles O'Mara, entertainer:
(a) "Off to Philadelphia" (Hayes).
(b) "Recitation, "The Devil's Trip" (Pokeilly).
(c) "Cockles and Mussels" (arr. Hughes).
10.28 p.m.—Late weather forecast.
10.30 p.m.—From the Ambassadors:
The Ambassadors Dance Orchestra.
Conductor, Al. Hammet.
10.36 p.m.—Ian Iredale, light tenor.
10.44 p.m.—The Ambassadors Dance Orchestra.
10.57 p.m.—From the Studio:
To-morrow's programme and late news.
11 p.m.—"Big Ben."
The Ambassadors Dance Orchestra.
11.45 p.m.—National Anthem.
Close down.

2BL, SYDNEY.

TUESDAY, 24th APRIL, 1928.

EARLY MORNING SESSION.
8 a.m. to 9 a.m.

MORNING SESSION.

10.30 a.m.—G.P.O. Clock and chimes.
Musical programme from studio.
11 a.m.—G.P.O. Clock and chimes.
Social Notes—Replies to correspondents by Mrs. Jordan.
Talk on "Toilet Hints" by Mamselle Vitkowska.
12 noon.—G.P.O. Clock and chimes.
Special Ocean forecast and weather report.
12.3 p.m.—Musical programme from studio.
12.8 p.m.—Information, Mails, Shipping, and port directory.
12.11 p.m.—Boats in call by wireless.
12.13 p.m.—Fruit Market report.
12.15 p.m.—Vegetable Market report.
12.17 p.m.—London Metal Market report.
12.19 p.m.—Dairy Farm Produce Market report
12.22 p.m.—Forage Market report.
12.24 p.m.—Fish Market report.
12.26 p.m.—Rabbit Market report.
12.28 p.m.—Stock Exchange report.
12.30 p.m.—H.M.V. Gramophone recital.
1.27 p.m.—Stock Exchange report.
1.30 p.m.—G.P.O. Clock and chimes.
Talk to children and special entertainment for children in Hospital
2 p.m.—G.P.O. Clock and chimes.
Close down.

AFTERNOON SESSION.

Race results broadcast immediately after each race by courtesy of the "Sun."
3 p.m.—G.P.O. Clock and chimes.
News from the "Sun."
3.15 p.m.—Civil Service Stores Trio—direction Miss de Courcey Bremer.
3.30 p.m.—G.P.O. Clock and chimes.
News from "Sun."
3.40 p.m.—Pianoforte recital from the Studio.
3.50 p.m.—News from the "Sun."
4 p.m.—G.P.O.Clock and chimes.
Civil Service Stores Trio.
4.15 p.m.—Talk on "The Women of Ancient Rome."
4.35 p.m.—Musical programme from the studio
4.50 p.m.—News from the "Sun."
4.55 p.m.—Features of evenings programme.
4.57 p.m.—Producers Distributing Society's Poultry report.
4.59 p.m.—Racing Resume.
5 p.m.—G.P.O. Clock and chimes.
Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and chimes.
Children's Session.

SPECIAL COUNTRY SESSION.

6.30 p.m.—G.P.O. Clock and chimes.
Australian Mercantile Land and Finance Co.'s report.
Weather report and forecast by courtesy of Govt. Meteorologist.
Producers Distributing Society's Fruit and Vegetable Market report.
Stock Exchange report.
Grain and Fodder Report ("Sun").
Dairy Produce Report ("Sun").
N.R.M.A. Talk.
6.45 p.m.—Country news from the "Sun."
7 p.m.—G.P.O. Clock and chimes.
Dinner Music.

7.30 p.m.—Talk on "First Aid" by Mr. Wilknson, District Superintendent St. John Ambulance Association.
8 p.m.—G.P.O. Clock and chimes.
Variety Programme.
Broadcasters Topical Chorus.
8.3 p.m.—The Ahad Duo, steel guitars.
8.10 p.m.—Miss Nanc Kain, soprano.
8.17 p.m.—Mr. Googs Hanlon, Novelty pianist.
8.24 p.m.—Mr Frank Ryan, entertainer.
8.31 p.m.—The Ahad Duo.
8.38 p.m.—Miss Nanc Kain.
8.45 p.m.—Mr. Googs Hanlon.
8.52 p.m.—Mr. Frank Ryan.
8.59 p.m.—Weather report and forecast by courtesy of Mr. C. J. Mares, Govt. Meteorologist.
9 p.m.—G.P.O. Clock and chimes.
9.1 p.m.—The Canterbury District Band broadcast from Baker's Hall, Campsie.
9.21 p.m.—The Stephano Vocal Trio.
9.41 p.m.—The Canterbury District Band.
10.1 p.m.—Humorous Sketch by Miss May Nancarrow and Mr. Wm. Collins.
10.13 p.m.—Resume of following day's programme.
10.16 p.m.—The Wentworth Cake Orchestra under the direction of Mr. S. Simpson broadcast from the Wentworth. During intervals between dances "Sun" news will be broadcast.
11.30 p.m.—G.P.O. Clock and chimes.
National Anthem.

2GB, SYDNEY

TUESDAY, 24th APRIL, 1928.

MORNING SESSION.

10 a.m.—Music.
10.10 a.m.—Happiness Talk by Alfred E. Bennett.
10.20 a.m.—Music.
10.30 a.m.—Women's Session by Miss Helen J. Beegling.
11 a.m.—Close down.

AFTERNOON SESSION.

2 p.m.—Music.
2.20 p.m.—Address: Mrs. B. Griffin.
2.35 p.m.—Music.

EVENING SESSION.

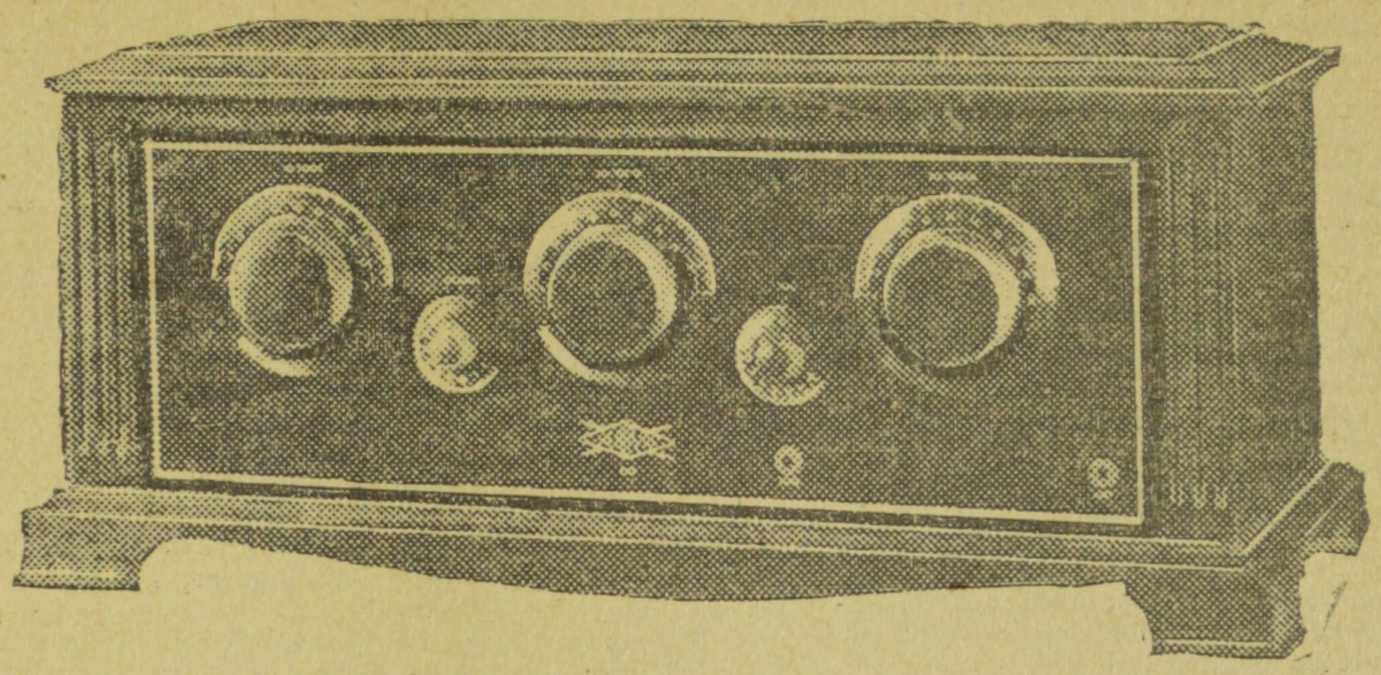
5.30 p.m.—Children's Session by Uncle George.
6.30 p.m.—Stock and Market reports by New Zealand Loan and Mercantile Agency Co., Ltd.
6.15 p.m.—Music.
6.30 p.m.—Talk.
6.45 p.m.—Music.
8 p.m.—Opening Chorus.
8.2 p.m.—Studio Instrumental Trio.
8.8 p.m.—Songs by Miss Lorraine Lincey.
8.15 p.m.—Address: Dr. P. K. Roest.
8.30 p.m.—Mr. H. Lockwood Brown, entertainer.
8.37 p.m.—Violin solos by Mr. Dan Scully.
8.45 p.m.—Songs by Mr. E. McKeand.
8.50 p.m.—Studio Instrumental Trio
9 p.m.—Talk.
9.20 p.m.—Songs by Miss Lorraine Lincey.
9.30 p.m.—'Cello solo by Miss Murielle Lang.
9.35 p.m.—Mr. H. Lockwood Brown.
9.40 p.m.—Studio Instrumental Trio.
9.50 p.m.—Songs by Mr. E. McKeand.
10 p.m.—Close down.

2 UW, SYDNEY

TUESDAY, 24th APRIL, 1928.

EVENING SESSION.

7 p.m.—Studio items.
7.10 p.m.—Where to go Session.
7.14 p.m.—Dinner music.
7.40 p.m.—Mr. and Mrs. Campbell, steel guitar duet:
(a) Selected.
(b) Selected.
7.47 p.m.—Studio items.
7.54 p.m.—Mrs. Campbell, pianoforte solo. Selected.
8 p.m.—News items and shipping intelligence.
8.15 p.m.—Mr. and Mrs. Campbell, steel guitar duets:
(a) Selected.
(b) Selected.



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Colville Moore Wireless Supplies Ltd.

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Phone B 2261

8.22 p.m.—Gems of the Opera—arranged and presented by:
"Andrea Chenier" (Giordano).
(a) Biographical sketch on life of composer.
(b) Story of the Opera.
(c) Vocal and instrumental items taken from each act of the opera.
(d) Musical notes.
9.45 p.m.—Weather forecast.
9.48 p.m.—Studio items.
10 p.m.—Close down.

3LO, MELBOURNE.

TUESDAY, 24th APRIL, 1928.

EARLY MORNING SESSION.
7.15 a.m. to 8.15 a.m.

MORNING SESSION.

11 a.m.—3LO's CULINARY COUNSELS on How to Create Creature Comforts with a Minimum of Cash.

FIG CONSERVE.

5lb. firm figs, 2 pints water, 1 pint vinegar, 5lb.sugar. Stem and wipe fruit (skin if desired). Make the syrup by boiling the water, sugar and vinegar together for 10 minutes, then put figs in (whole), and simmer slowly for 4 hours. When finished the conserve should be of clear, reddish-brown color and have delicious flavor.

THE GLORY OF THE GARDEN.

Are you going to be proud of yours in the Springtime?

1. Arrange certain duties for each day wherever possible thus averting much useless waste of time.
2. Complete one job before attempting another.
3. Work thoroughly, and interest yourself in every plant in the garden.
4. Use good tools, keep them well sharpened, and always put them away clean.
5. Keep a continuous look-out for disease, which should be checked immediately upon detection.

11.5 a.m.—MISS E. NOBLE—Gas Cooking; will describe a few simple Savories. Be sure to have your notebooks at hand.
11.20 a.m.—Musical interlude.
11.25 p.m.—MRS. DOROTHY SILK: "Homecrafts."
11.40 a.m.—Musical interlude.
11.45 p.m.—MISS R. G. HARRIS, Publicity Officer of the Kindergarten Union, will speak on
"The Holiday Home for Free Kindergarten Children."

MIDDAY SESSION.

12 noon.—Melbourne Observatory time Signal.
12.1 p.m.—Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. Reuter's and the Australian Press Association cables. British official wireless news from Rugby. "Argus" news service.
12.20 p.m.—THE GYPSY PLAYERS: "Schumann Songs"—Part 1.
12.30 p.m.—OLIVER PEACOCK, baritone:
"The Yeomen of England" (German).
"Do you know my Garden?" (Hadyn Wood).
12.37 p.m.—Stock Exchange information.
12.40 p.m.—HELGA BRENNICKE, 'cello:
"Hymn to the Sun" (Rimsky-Korsakoff).
12.47 p.m.—MOLLY MACKAY, soprano:
"Songs my Mother Taught Me" (Dvorak).
"Les Cloches" (Debussy).
12.54 p.m.—THEGYPSY PLAYERS: "Schumann Songs"—Part II.
1 p.m.—Melbourne Observatory time signal.
1.1 p.m.—OLIVER PEACOCK, baritone:
"Ah Love will you Remember" (Zucca).
"The Organ" (Broughton).
1.8 p.m.—Meteorological information. Weather forecost and rainfall for Victoria, Tasmania, South Australia and New South Wales. River reports. Ocean forecast. Stock Exchange information.
1.15 p.m.—THE GYPSY PLAYERS: "Quartet" (Haydn).
1.25 p.m.—MOLLY MACKAY, soprano: Aria, "Caro Nome," Rigoletto (Verdi).
1.32 u.m.—THE GYPSY PLAYERS:
"Ballet Music from Roasmunde" (Schubert).
1.45 p.m.—Close down.

AFTERNOON SESSION.

2.15 p.m.—THE VAGABONDS:
"My Regular Girl" (Warren).
"Fifty Million Frenchmen" (Rose).
"Golden Memories of Hawaii" (Stevens).
2.25 p.m.—BERYL HAYDEN, soubrette (by permission J. C. Williamson, Ltd.):
"I heard you were lonely, so I've come to keep you company."
2.32 p.m.—THE VAGABONDS:
"Night time is love time" (Davis).
"Wondering Why" (Malie).
"How long must I wait for you" (Stillwell).
2.41 p.m.—ROY GALLOWAY, baritone (by permission J. C. Williamson, Ltd.):
"Popular Melodies."
2.48 p.m.—THE KNOCKABOUTS will entertain you with a little Jazz—Con yau catch this?
"What is joy? A sunbeam between two clouds" (Deluzzy).
"What is jazz? Music under a cloud" (De Lusion).
Now the Knockabouts will proceed to lift the clouds.
2.55 p.m.—FRANK AND FRANCIS LUIZ:
"Duet, "Haughty Hula Eyes."
Guitar solo, "Silver Threads Among the Gold."
Request item.
Duet, "Ukulele Dream Girl."
3.7 p.m.—THE VAGABONDS:
"Slow River" (Myers).
"A Night in June" (Friend).
"Me and My Shadow" (Jolson).
3.16 p.m.—MOLLY MACKAY, soprano:
"A Heart That's Free" (Robyn).
"They Say" (Warwick-Evans).
3.23 p.m.—THE VAGABONDS:
"Dance of the Tinker Toys" (Schobel).
"Chloe" (Moret).
"Keep a Little Sunshine in Your Heart" (Von Tilger).
3.32 p.m.—GORDON JAMES, baritone:
Selected.
"Punchinello" (Molloy).
3.39 p.m.—THE VAGABONDS:
"Put your arms where they belong" (Davis).
"I wonder how I look when I'm asleep" (Brown).
"A shady tree" (Donaldson).
3.48 p.m.—BERYL HAYDEN, soubrette:
"Secrets in the Shade."
3.55 p.m.—THE VAGABONDS:
"Desert Isle" (Archer).
"C'est Vous" (Silver).
"Sweet Yvette" (Davis).
4.4 p.m.—ROY GALLOWAY, baritone:
"A Little Sentiment."
4.11 p.m.—THE VAGABONDS:
"Just Around the Corner" (Hayes).
"My Blue Heaven" (Donaldson).
"I'm Lonely Without You" (Warren).
4.20 p.m.—MOLLY MACKAY, soprano:
"Spring" (Henschell).
"I attempt from love's sickness to fly" (Purcell).
4.27 p.m.—THE KNOCKABOUTS will entertain you with a little comedy.
4.32 p.m.—RUPERT HAZELL and ELSIE DAY:
"Harmonylarity."
4.42 p.m.—GORDON JAMES, baritone:
"The Sands of Dee" (Clay).
"Molly o' Donegal" (Harold Austin).
4.49 p.m.—Weather reports.
4.50 p.m.—THE VAGABONDS:
"We'll know, we'll understand" (James Henry).
"Steal away" (Negro Spiritual).
5 p.m.—"Herald" news service. Stock Exchange information.
5.15 p.m.—Close down.

EVENING SESSION.

6 p.m.—Answers to letters and birthday greetings by "BILLY BUNNY."
6.20 p.m.—MONSIEUR SONORA, Moments: Musical.
6.25 p.m.—"BOBBY BLUEGUM":
"Smile awhile,
And then another smiles;
And soon there's miles and miles of smiles,
And life's worth while
Because you smile."
6.45 p.m.—"BILLY BUNNY."
More stories of the Australian Bush.

NEWS AND MARKET REPORTS.

7 p.m.—Official report of Newmarket stock sales by the Associated Stock and Station Agents, Bourke Street, Melbourne.
7.5 p.m.—"Herald" news service. Weather synopsis. Shipping movements.
7.12 p.m.—Stock Exchange information.
7.17 p.m.—Fish market reports by J. R. Borrett, Ltd. Rabbit prices.
7.19 p.m.—River reports.
7.21 p.m.—Market reports by the Victorian Producers' Co-operative Co., Ltd. Poultry, grain, hay, straw, jute, dairy produce, potatoes and onions. Market reports of fruit by the Victorian Fruiterers' Association. Retail prices. Wholesale prices of fruit by the Wholesale Fruit Merchants' Association. Citrus fruits. Ballarat sheep market reports.

NIGHT SESSION.

7.30 p.m.—Under the auspices of the University of Melbourne Extension Board, J. McRAE, M.A., Lecturer in Psychology for the University Extension Board, will speak on:
"Mind and Brain."
7.45 p.m.—Mr. E. M. PASCOE will talk on: "Bowls."
8 p.m.—Birthday greetings and programme announcements.
8.1 p.m.—Under the auspices of the Royal Victorian Institute of Architects, P. A. OAKLEY, F.R.V.I.A.:
"Good Architecture a Stimulant to Civic Pride."

VOCAL AND STRING QUARTET ITEMS.

8.15 p.m.—THE GYPSY PLAYERS:
"Quartet" (Mozart).
8.25 p.m.—SONG CYCLE: "ON JHELUM RIVER." A Kashmiri Love Story, written by Frederick John Fraser. Set to music by Amy Woodforde Finden:

Artists:

Soprano (Ashoo), MADAME ELLA KINGSTON.
Baritone (Soubahna): ERNEST SAGE.
"On Jhelum River"—piano.
"Jhelum Boat Song"—duet.
"The Song of the Bride"—Ashoo.
"Will the Red Sun Never Set"—Soubahna.
"Ashoo at Her Lattice"—song.
"Only a Rose"—Soubahna.
"Interlude"—piano.
"Kingfisher Blue"—duet.
8.55 p.m.—THE GYPSY PLAYERS:
"Movement—Piano quintet" (Brahms).
9.5 p.m.—ISOBEL BIDDELL, contralto:
"In Autumn" (Franz).
"The Sandman" (Brahms).

A NIGHT WITH THE DIGGERS.

9.12 p.m.—"REVEILLE," Bugler E. P. TAYLOR.
BAND CALL, Bugler E. P. TAYLOR.
ENTRY OF THE BANDS.
March, "Martial Moments," BRUNSWICK CITY BAND.
March, "Top i' the Bin," CALEDONIAN BOYS' PIPE BAND.
"Echoes of the Ocean," BRUNSWICK CITY BAND.
SOLDIERS AND SAILORS' MARCHING SONGS, ELSTERNWICK MALE CHOIR.
"Mademoiselle from Armentieres."
"Till the Boys Come Home."
"Australia Will Be There."
"There's a Long, Long Trail."
DESCRIPTIVE SELECTION—An episode of the Great War.
"Khaki Camp," BRUNSWICK CITY BAND.
Reveille—Fall in.
Regimental Bands in the distance.
Arrival of troops and shouts of welcome.
Impromptu Concert—Arrival of the V.C. hero.

Nightfall—Last Post—all lights out.
Break of the next day—Morning gun—Reveille.
Camp in motion—Departure of troops for oversea.
SOLDIERS AND SAILORS' MARCHING SONGS, ELSTERNWICK MALE CHOIR.
"Good-bye."
"He We are Again."
"Sister Susie."
BUGLE CALLS—Fall in—Advance.
BUGLER E. P. TAYLOR.
MARCH PAST OF NAVAL AND MILITARY FORCES.
March, "Victor's Return," BRUNSWICK CITY BAND.
March, "Dugal McCall's Farewell to France."
Strathspey, "Arniston Castle."
Reel, "Miss Jeffney," CALEDONIAN BOYS' PIPE BAND.
"Sons of the Sea," BRUNSWICK CITY BAND.
Royal Caledonian Society's March, CALEDONIAN BOYS' PIPE BAND.
"Flying Squadron," BRUNSWICK CITY BAND.
BUGLE CALL, "Retreat," BUGLER E. P. TAYLOR.
"Sunday Parade," BRUNSWICK CITY BAND.
Early morning—Chime of the Clock.
Reveille—Church call—Dressing Bugle.
Band in the distance—March to Church.
Band at the Church gate—Organ, Voluntary—Hymn—Conclusion of Service—Organ Music—Fall in—Homeward Bound—Finale.
IN MEMORIAM, "Evening Hymn," ELSTERNWICK MALE CHOIR and BRUNSWICK CITY BAND.
Last Post Selection:
"To the Memory of the Brave," BRUNSWICK CITY BAND.

FROM THE STUDIO.

10.40 p.m.—"Argus" news service. Meteorological information. British official wireless news from Rugby. Sporting notes by "Olympus."
The Royal Automobile Club of Victoria's SAFETY MESSAGE for to-day is: "Excessive speed at the wrong time is one of the greatest causes of accidents."
THE SHRINE OF REMEMBRANCE:
"To live in hearts we leave behind
Is not to die."
—Campbell.
10.50 p.m.—ERNEST SAGE, baritone:
"The Minstrel Boy" (Thomas Moore).
"All Through the Night" (Maynard).
10.57 p.m.—OUR GREAT THOUGHT:
There is nothing, no, nothing—innocent or good—that dies and is forgotten; let us hold to that faith or none. An infant, a prattling child, dying in the cradle, will live again in the better thoughts of those who loved it, and play its part through them in the redeeming actions of the world."
—Dickens.

DANCE MUSIC.

10.58 p.m.—THE VAGABONDS.
11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

TUESDAY, 24th APRIL, 1928.

MORNING NEWS SESSION.
11 a.m. to 12 noon.

MIDDAY CONCERT SESSION.
12 noon to 1 p.m.

Transmitted from Panatrope House, 252 Collins Street (by exclusive permission of Wills and Paton, Ltd.), on the Brunswick Panatrope.

MATINEE SESSION.
ORCHESTRAL DANCE CONCERT.

During the afternoon a description of the departure of Mail Liner for London, half an hour before leaving Princes Pier, by Mr. J. D. Porter, of the "Graphic."

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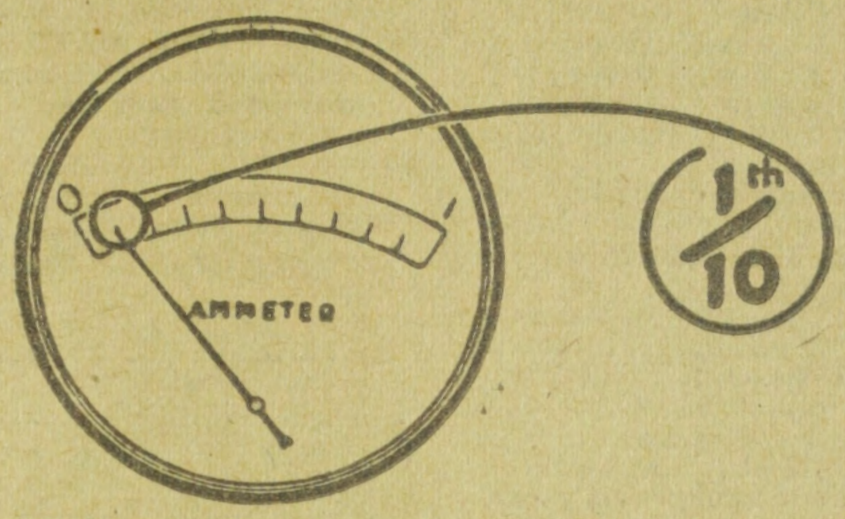

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And all States

2 p.m.—Ayarz Dansonians:
A half-hour Dance Session by Melbourne's favorite Dance Band. All the latest popular hits, each one announced prior to its presentation.
2.30 p.m.—Melbourne Concert Orchestra:
"L'arlesienne, Part I." (Bizet).
2.46 p.m.—Miss Ruth Phillips, soprano:
"Leggenda" (Mascagni).
"A Brown Bird Singing" (Wood).
2.54 p.m.—Melbourne Concert Orchestra:
Selection, "Canary Cottage" (Carroll).
Suite, "Cyrano de Bergerac" (Rosse).
3.15 p.m.—Miss Ruth Phillips, soprano:
"Solveig's Song" (Grieg).
"Thoughts have Wings" (Lehmann).
3.22 p.m.—Ayarz Dansonians.
3.30 p.m.—Interval Announcements.
3.35 p.m.—Madamoiselle Jeunesse: Interval talk on timely topics of interest to our Lady Listeners.
3.45 p.m.—Melbourne Concert Orchestra:
Ballet music from "Rosamunde" (Schubert).
"Spanish Dance" (Sarasate).
4 p.m.—G.P.O. Clock says "Four."
4.1 p.m.—Second weather forecast.
4.3 p.m.—Miss Jean Lewis, contralto:
"When the Stars were Young" (Rubens).
"Just a-wearying for You" (Carrie Jacobs-Bond).
4.11 p.m.—Ayarz Dansonians.
4.27 p.m.—Herbert Pettifer, violin:
"Romance" (Wieniawski).
4.31 p.m.—Miss Jean Lewis, contralto:
"Loves Rhapsody" (d'Hardelot).
"Poppies for Forgetting" (Clarke).
4.38 p.m.—Melbourne Concert Orchestra:
"Orientale" (Cui).
"Dainty Damsel" (Baron).
"Le Baiser D'Eunice" (Nouges).
4.55 p.m.—Announcements.
To-night's entertainment.
5 p.m.—G.P.O. Clock says "Five."
"God Save the King."

CHILDREN'S SESSION.

6.30 p.m.—Uncle Mac's entertainment.

EVENING SESSION.

Special Programme to be broadcast from the Exhibition Buildings on the occasion of the Combined Re-union of Ex-Members of the Empire Imperial Forces.
7.20 p.m.—Dr. Floyd, Organist and Choirmaster at St. Paul's Cathedral, Melbourne, will talk on "The Art of Listening."
7.30 p.m.—A broadminded and up-to-date short talk by "Friar Tuck":
"Playing the Game."
7.35 p.m.—Sport Session: "Harlequin" presents his budget of up-to-date news and comments on Sport of the Day.
7.50 p.m.—Macnamara's Stock Report.
8 p.m.—G.P.O. Clock says "Eight."
Hoffman's Orchestra:
Overture.
Mr. J. Alexander Brown, bass-baritone:
"The Drum Major."
Community Singing, conducted by Mr. Will Sampson:
"Pack up your troubles."
"The more we are together."
"Madamoiselle from Armentieres."
Mr. Edward Beachcroft, tenor:
"The Trumpeter" (Dix).
Chairman: Toast, The King.
Chairman: Toast, Our Guests.
Mr. J. Alexander Brown, bass-baritone:
"The Company Sergeant Major."
Community Singing, conducted by Mr. Will Sampson:
"Australia will be there."
"Tipperary."
"Keep the home fires burning."
Sir John Monash: Response.
Mr. Bob. Pearce, tenor:
"Dilchy Road."
Interval: Overture.
Mr. Edward Beachcroft, tenor:
"The Prison Song."
Community Singing:
"Long, long trail."
"Take me back to Blighty."
"On the Road to Gundagai."
Mr. Bob Pearce, tenor:
"The Sergeant Major on Parade" (Longstaff).
Community Singing:
10.45 p.m.—"Harlequin": Sports results.
10.52 p.m.—"Age" News Bulletin, exclusive to 3AR.
10.58 p.m.—Final weather forecast.
10.59 p.m.—Our Australian Good-night Quote is taken from the poem, "Ex Fumo Dare Lucem"—Twixt the Cup and the Lip—by Adam Lindsay Gordon.
11 p.m.—G.P.O. Clock says "Eleven."
"God Save the King."

4QG, BRISBANE

TUESDAY, 24th APRIL, 1928.

7.45 p.m.—Lecturette: "The Progress of Agriculture in Queensland," No. 3 of a series by Mr. J. F. F. Reid (Editor, Queensland Agricultural Journal).

NIGHT SESSION.

PART I.

8 p.m.—A programme of music by Mr. Archie Day and Party.
Piano and Organ:
"First Movement from Concerto in D Minor" (Mendelssohn).
Messrs. Archie Day, piano, and Percy Brier, Organ.
Baritone solos:
"Whosoever Drinketh" (Sterndale Bennett)
"On Wings of Song" (Mendelssohn).
Mr. Fred Homer.
Organ solo:
"Sonata in C Minor" (Mendelssohn):
Mr. Archie Day.
Soprano solos:
"If Ye Love Me" (Sterndale Bennett).
"Hear Ye Israel" (Mendelssohn).
Miss Beatrice Pugh.
Piano solos:
"The Lake" (Sterndale Bennett).
"The Fountain" (Sterndale Bennett).
"Andante and Rondo Capriccioso" (Mendelssohn).
Mr. Percy Brier.
Duet:
"What Have I to do With Thee" (Elijah—Mendelssohn).
Miss Beatrice Pugh, soprano, and Mr. Fred Homer, baritone.
Piano and Organ.
"Barcarolle from F Minor Concerto" (Sterndale Bennett).
Messrs. Percy Brier, piano, and Archie Day, organ.
9 p.m.—Metropolitan weather forecast.

PART II.

9.1 p.m.—From the School of Arts:
Choral Number:
"Drake's Drum" (Coleridge-Taylor).
The Brisbane Apollo Club.
Contralto solo:
"My Ain Folk" (Lemen).
Miss Vera Parker.
Humorous Number:
"A Tragic Story" (Metcalf).
The Brisbane Apollo Club.
Contralto solo:
"Ye Banks and Braes" (Burns).
Miss Vera Parker.
Choral Number:
"The Meeting of the Waters" (arr. Fletcher).
The Brisbane Apollo Club.
9.30 p.m.—A Short Address: "Anzac Day."
Canon Garland.
9.45 p.m.—A Short Recital of selected records electrically reproduced.
10 p.m.—"The Daily Mail" news.
Weather news.
Close down.

5CL, ADELAIDE

TUESDAY, 24th APRIL, 1928.

MIDDAY SESSION.
12 noon to 2 p.m.

AFTERNOON SESSION.

3 p..m—G.P.O. Chimes.
3.1 p.m.—Musical numbers on the studio "Recreator."
3.45 p.m.—Talk by Rev. G. E. Hale, B.A.:
"Listen to your Heart."
4 p.m.—G.P.O. Chimes.
4.1 p.m.—Musical numbers on the Studio "Recreator."
4.57 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.
5 p.m.—G.P.O. Chimes.

EVENING SESSION.

6 p.m.—G.P.O. Chimes.
6.1 p.m.—Children's entertainment by the 5CL Radio Family.
6.30 p.m.—Dinner music on the Studio "Recreator."
7 .pm.—General Market reports by A. W. Sandford and Co., A. E. Hall and Co., Dalgety and Co., S.A. Farmers Co-operative Union, Ltd., Taylor Bros., Retail Grocers Association, Interstate Fruit and Produce Market Co. Ltd.
7.10 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.
7.15 p.m.—Extracts from the "News Bulletin."
7.30 p.m.—Gardening Talk by Lasscocks Nurseries, Lockleys.
7.42 p.m.—Windbag's Sporting Service.
7.55 p.m.—Station Announcements.
8 p.m.—G.P.O. Chimes.
8.1 p.m.—Relay from Keswick Military Barracks, the annual Anzac Smoke Social.
10.15 p.m. (Approx).—"Advertiser" News Service, International News, Dalgety's wheat report, Meteorological information, Interstate and local sporting results.
10.25 p.m.—"Windbag's" Sporting Service.
10.32 p.m.—Relay from Glenelg, The Maison Dance Band.
10.55 p.m.—To-morrow's programme and meteorological information.
11 p.m.—G.P.O. Chimes and National Anthem.

6WF, PERTH.

TUESDAY, 24th APRIL, 1928.

MIDDAY SESSION.

12.30 p.m.—Tune in.
12.35 p.m.—Markets, News, and Cables.
1 p.m.—Time signal.
1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—Studio Instrumental Trio.
1.30 p.m.—Close down.
3.30 p.m.—Tune in.
3.35 p.m.—Musical programme, including pianoforte selections by Miss Evelyn Willis, A.R.C.M.
Vocal and instrumental numbers.
4.30 p.m.—Close down.
6.45 p.m.—Tune in.
The evening transmission is broadcast on 104.5 metres as well as the usual wavelength
6.50 p.m.—Stories for the Kiddies by Uncles Henry, Bertie and Duffy.
7.20 p.m.—Stocks, Markets, News.
7.45 p.m.—Talk by Dr. J. S. Battye, B.A.,LL.B.
8 p.m.—Time signal.
8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
Station announcements such as alterations to programmes, etc.
8.3 p.m.—Orchestral Night.
Concert by 6WF's Station Orchestra, conducted by Mr. Ronald E. Moyle, A.T.C.L.
Vocal assisting artist.
10 p.m.—Late News items by courtesy of "The Daily News" Newspaper Co.
Ships within Range announcement.
Weather Report and Forecast.
10.30 p..m—Close down.

104.5 METRE TRANSMISSION.
Simultaneous broadcast on 104.5 metres of programme given on 1250 metres, commencing at 6.45 p.m.

7ZL, HOBART

TUESDAY, 24th APRIL, 1928.

MORNING SESSION.

11 a.m.—G.P.O. Clock chimes the hour.
11.1 a.m.—Special Midlands weather forecast.
11.5 a.m.—British Official Wireless news.
11.10 a.m.—Mercury morning news service.
11.20 a.m.—Shipping information.
Ships within wireless range.
Mail notices. Commercial news.
Foreign Exchange markets.
Housewives guide. Produce sales. Railway sales.
11.45 a.m.—Musical selections.
11.55 a.m.—Tasmanian Weather stations 9 a.m. reports.
12 noon.—G.P.O. Clock chimes the hour.
Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Clock chimes the hour.
3.1 p.m.—Musical selections.
3.5 p.m.—Hobart Stock Exchange quotations.
Weather information.
Items of interest.
3.15 p.m.—Selections by 7ZL Studio Trio:
"Pearl of Mine" (Fletcher).
Selection, "Girl Friend" (Kern).
Violin Solo. Selected. Mr. E. J. McCann.
"Summer Day"
Selection, "Queen High."
Clarionet Solo. Selected. Mr. A. Young.
Pianoforte Solo. Selected. Mr. A. Roberts.
4.15 p.m.—Educational Talk.
4.30 p.m.—Close down.

EARLY EVENING SESSION.

6.30 p.m.—Cousin Mac talks to the children.
7 p.m.—Uncle Hector's half hour.

NIGHT SESSION.

7.30 p.m.—Musical selection.
7.35 p.m.—Literary Lapses and Library Lists by Mr. W. E. Fuller.
7.50 p.m.—Mercury special Tasmanian news service.
Railway auction produce sales.
Weather forecasts.
Hobart Stock Exchange Quotations.
8 p.m.—G.P.O. Clock chimes the hour.
8.1 p.m.—Broadcast by Direct wire from Prince of Wales Theatre, Hobart:
Selections by Prince of Wales Orchestra, Conductor, Mr. E. J. McCann.
9.15 p.m.— Talk by Mr. G. F. Davis, "The Spirit of Anzac"
9.40 p.m.—British Official Wireless News.
9.50 p.m.—Mercury special Interstate news service.
Ships within wireless range.
Tasmanian District Weather reports.
9 p.m. Weather reports.
Weather reports from Australian Capital cities.
Station announcements Wednesday's programme.
10 p.m.—Close down.

Wednes., April 25

2FC, SYDNEY

ANZAC PROGRAMME.

10 a.m.—"Big Ben" and announcements.
10.5 a.m.—Studio music.
10.15 a.m.—"Sydney Morning Herald" news service.
10.25 a.m.—Studio music.
11 a.m.—"Big Ben." Close down.
Note: The Commemoration Service from the Domain, commencing at 11 a.m., will be broadcast by 2BL.

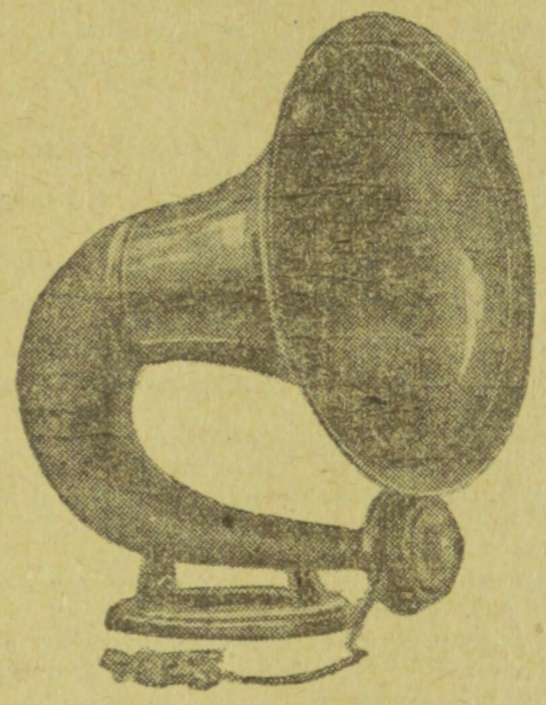
AFTERNOON SESSION.

2 p.m.—"Big Ben" and announcements.
2.5 p.m.—Studio items.

ACCESSORIES

of durable quality

from FARMER'S



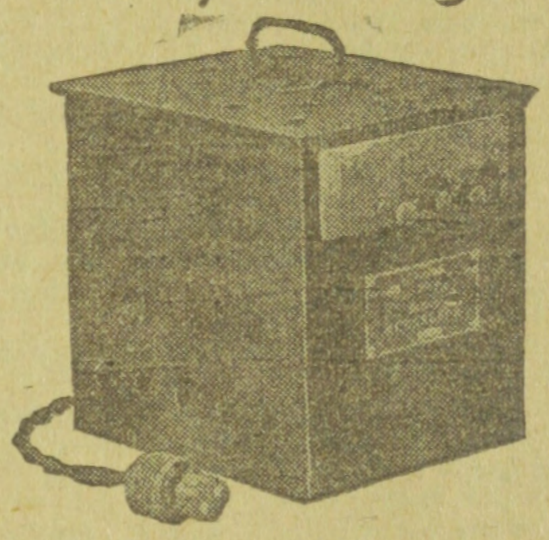
The "TEFAG"

What all Wireless enthusiasts have been waiting for—a perfect Loud Speaker. Farmer's now introduce the "TEFAG," a most efficient, improved model of excellent workmanship.
The wonderful tonal qualities of the "TEFAG" are not to be compared with any other amplifying instrument. The new adjustable diaphragm is a special feature of the "TEFAG," being accurately adjusted and sensitive to the slightest note. Price, complete with the cord £2/15/-

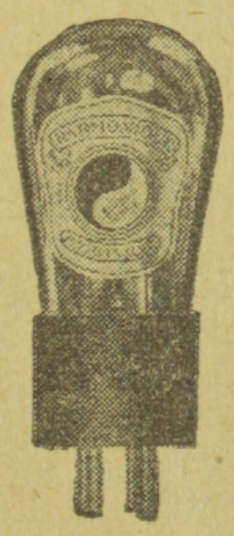
The "CANBERRA" Battery Charger

For those amateurs who are desirous of re-charging their own Batteries, the "CANBERRA" Recharger is invaluable.

The "CANBERRA" will recharge both "A" and "B" types of accumulators; the cost of using practically nil. Price, £6/10/-



HARMONIQUE VALVES



Specially featured by Farmer's as the most durable and economical valve at such a moderate price 5/-

Special Note: Farmer's do not on any account pay the cost of carriage on Wireless Sets, parts or accessories.

Te-ka-de Valves, two-element tube; suitable for all kinds of circuits. Price, 26/-, including Valve Socket.

To Country Visitors:
When in Sydney, call and see Farmer's Wireless expert, who will be glad to advise you on your Wireless Set. If it is repairs you need, he may be able to suggest some efficient accessory. Farmer's will also be pleased to demonstrate any set to you.

FARMER'S, SYDNEY

Wireless Department, Ground Floor, George Street, New Building.

8 p.m.—"Big Ben."
From the Great Hall, Sydney University: The Ceremony of the Dedication and handing over of the great War Memorial Carillion.
3.5 p.m.—The Chairman of the Executive Committee of the War Memorial Fund will ask the Chancellor of the University to accept the Carillion.
3 p.m.—The Chancellor of the University accepts the gift.
3.30 p.m.—The Big Bell will toll.
3.34 p.m.—The audience, to organ accompaniment, will sing:
"O God our Help in Ages Past."
Note: The ceremony from this point will be broadcast by 2BL. It will be conducted in front of the Tower (which is to house the Carillion) and will include the Dedicatory Prayer by the Senior Chaplain of the Commonwealth Forces.
3.40 p.m.—From the Basement of the Sydney Town Hall: The Annual Re-union of the Returned Soldiers, inaugurated by Dr. Mary Booth.
Community singing by the soldiers of all the well-known choruses.
The following artists will contribute:
Dorrie Ward.
W. E. Lewis.
Brunton Gibb, elocutionist.
4.30 p.m.—From the Sydney University: A Recital on the Carillion by the English Carillionist,
Bryan Barker,
who will play a number of melodies as an example to show the resources of the instrument
5 p.m.—"Big Ben." Close.

EARLY EVENING SESSION.

5.40 p.m.—The chimes of 2FC.
6.25 p.m.—Children's music.
6.30 p.m.—Sporting news.
6.35 p.m.—Studio music.
6.47 p.m.—Weather intelligence.
6.50 p.m.—Studio talk.
7 p.m.—Dinner music.
7.30 p.m.—Late evening news.

NIGHT SESSION.

7.43 p.m.—Programme announcements.
7.45 p.m.—Professor Lovell, on behalf of the Workers' Educational Association, will talk on Psychology.
8 p.m.—"Big Ben."
The Metropolitan Band, conducted by John Palmer:
Fantasia, "Memories of Britain" (Rimmer).
8.15 p.m.—R. Abartleman, baritone.
8.23 p.m.—Lindley Evans, pianoforte solos.
8.32 p.m.—The Metropolitan Band:
(a) "Advance Australia Fair" (McCormack).
(b) "The Great Little Army" (Alford).
8.40 p.m.—Sydney Male Voice Choir.
8.50 p.m.—Captain Fred Aarons: Anzac talk.
9 p.m.—"Big Ben." Weather forecast.
9.1 p.m.—Metropolitan Band:
Overture, "Light Cavalry" (Suppe).
9.12 p.m.—R. A. Bartleman, baritone:
"The Toast is Anzac, Gentlemen."
9.16 p.m.—Lindley Evans, pianoforte solos.
9.26 p.m.—Sydney Male Voice Choir.
9.36 p.m.—Scott Alexander: Anzac sketch.
9.46 p.m.—R. A. Bartleman, baritone.
9.50 p.m.—The Metropolitan Band:
Selection, "A Soldier's Life" (Sheriff).
10.8 p.m.—The Sydney Male Voice Choir.
10.18 p.m.—A late booking.
10.30 p.m.—Late weather forecast.
10.31 p.m.—Len Maurice:
Selection of Studio Records and Songs.
10.57 p.m.—To-morrow's programme and late news.
11 p.m.—"Big Ben."
National Anthem.
Close down.
Note: At 5.30 a.m., Thursday morning, 26th April (which time will synchronise with 7.30 p.m. Anzac evening in London), 2FC, in conjunction with the Amalgamated Wireless (A/asia), Limited, will broadcast a Recital from the Carillion, to be picked up and relayed in London.

2BL, SYDNEY

WEDNESDAY, 25th APRIRL, 1928.

EARLY MORNING SESSION.
8 a.m. to 9 a.m.

MORNING SESSION.

11 a.m.—Anzac Celebrations broadcast from the Sydney Domain. Among those present will be The Chief Justice Sir Phillip Street, and Lady Street, Mr. Justice Owen and Mrs. Owen. Presidents of Kindred Associations.
12.15 p.m.—From the Studio.
Musical programme from the studio.
12.30 p.m.—News from the "Sun."
12.45 p.m.—Musical programme from studio.
1 p.m.—G.P.O. Clock and chimes.
Musical programme from studio.
1.10 p.m.—Whats on at the Pictures and Theatres.
1.13 p.m.—Sporting fixtures for the day.
1.16 p.m.—News from the "Sun."
1.25 p.m.—Musical programme from the studio
1.40 p.m.—News from the "Sun."
1.50 p.m.—Musical programme from studio.
2 p.m.—G.P.O. Clock and chimes.
Musical programme from studio.
2.10 p.m.—News from the "Sun."
2.15 p.m.—Musical programme from the Studio.
2.30 p.m.—G.P.O. Clock and chimes.
News from the "Sun."
2.40 p.m.—Musical programme from Studio.
2.55 p.m.—News from the "Sun."
3 p.m.—G.P.O. Clock and chimes.
Musical programme from the Studio.
3.15 p.m.—News from the "Sun."
3.20 p.m.—Musical programme from Studio.
3.40 p.m.—Anzac Day celebrations from the Sydney University, the Senior Chaplain of the Commonwealth Force will read a prayer of dedication.
3.45 p.m.—The Inspector-General and Chief of General Staff will refer to the names of the soldiers who are commorated in the Memorial
4 p.m.—Two Minutes' Silence, followed by the "Last Post"
4.5 p.m.—Carillonist plays "Oh God our Help in Ages Past" and "Chopin's Funeral March."
4.20 p.m.—Carillonist plays "God Save the King." Troops March off.
4.25 p.m.—From the Studio.
News from the "Sun."
4.30 p.m.—Musical programme from studio.
4.45 p.m.—News from the "Sun."
4.50 p.m.—Musical programme from studio.
4.58 Features of evenings programme.
5 p.m.—G.P.O. Clock and chimes.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and chimes.
Children's Session.
6.30 p.m.—News from the "Sun."
7 p.m.—G.P.O. Clock and chimes.
Gulbransen Dinner Music.
7.30 p.m.—News from the "Sun."
8 p.m.—G.P.O. Clock and chimes.
Patriotic Programme.
8.1 p.m.—Mr. W. E. Lewis, baritone.
8.8 p.m.—Broadcasters Instrumental Trio.
8.15 p.m.—Miss Amy Ostinga, contralto.
8.22 p.m.—Talk by the Right Hon. Wm. Morris Hughes.
8.32 p.m.—The Canterbury District Band broadcast from Baker's Hall, Campsie.
8.52 p.m.—Miss Dorrie Ward, soprano.
8.59 p.m.—Weather report and forecast by courtesy of Mr. C. J. Mares, Govt. Meteorologist.
9 p.m.—G.P.O. Clock and chimes.
9.1 p.m.—Mr. Ellis Price, (elocutionist).
9.8 p.m.—Broadcasters Instrumental Trio.
9.15 p.m.—Mr. W. E. Lewis.
9.22 p.m.—The Canterbury District Band.
9.42 p.m.—Miss Amy Ostinga.
9.49 p.m.—Mr. Ellis Price.
9.56 p.m.—Miss Dorrie Ward.
10.3 p.m.—Resume of following day's programme.
10.6 p.m.—Broadcasters all sports experts will talk on general sporting.
10.20 p.m.—Romano's Restaurant Dance Orchestra under the direction of Mr. Merv. Lyons. During intervals between dances "Sun" news will be broadcast.
11.30 p.m.—G.P.O. Clock and chimes.
National Anthem.

2GB, SYDNEY

WEDNESDAY, 25th APRIRL, 1928.

MORNING SESSION.

10 a.m.—Music.
10.10 a.m.—Happiness Talk by Alfred E. Bennett.
10.20 a.m.—Music.
10.30 a.m.—Women's Session by Miss Helen J. Beegling.
11 a.m.—Close down.

AFTERNOON SESSION.

2 p.m.—Music.
2.20 p.m.—Address by Mrs. Crowther.
2.35 p.m.—Music.
3 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—Children's Session by Uncle George.
6.30 p.m.—Stock and Market reports by New Zealand Loan and Mercantile Agency Co., Ltd.
7.15 p.m.—Music.
7.30 p.m.—Recital by Heath Burdock.
8 p.m.—Opening Chorus.
8.2 p.m.—Sid and Molly Owen, Instrumentalists.
8.8 p.m.—Songs by Miss Gwladys Edwards.
8.15 p.m.—Address by Harold Merton.
8.30 p.m.—Violin Solos by Miss Phyllis Campbell.
8.38 p.m.—Songs by Miss Merle Miller.
8.45 p.m.—Humorous items by Mr. Heath Burdock.
8.53 p.m.—Sid and Molly Owen, Instrumentalists.
9 p.m.—Talk.
9.20 p.m.—Songs by Miss Gwladys Edwards.
9.27 p.m.—Violin solos by Miss Phyllis Campbell.
9.35 p.m.—Humorous items by Mr. Heath Burdock.
9.45 p.m.—Pianoforte solos by Miss Ada Brook
9.52 p.m.—Songs by Miss Merle Miller.

2 UW, SYDNEY

WEDNESDAY, 25th APRIRL, 1928.

EVENING SESSION.

7 p.m.—Studio items.
7.10 p.m.—Where to go session.
7.14 p.m.—Dinner music.
7.45 p.m.—Miss Doris Fitzmaurice, elocutionist. Selected.
7.52 p.m.—Studio item.
7.56 p.m.—Miss G. Tyerman:
Pianoforte solo. Selected.
8.2 p.m.—News items and shipping intelligence.
8.20 p.m.—Miss Doris Fitzmaurice, elocutionist. Selected.
8.25 p.m.—Studio item.
8.29 p.m.—Miss G. Tyerman, pianoforte solo. Selected.
8.36 p.m.—Studio items.
8.45 p.m.—Weather report.
8.48 p.m.—Vocal and instrumental selections.
9 p.m.—Dance music.
9.20 p.m.—Request numbers.
9.30 p.m.—Dance music.
9.55 p.m.—Announcements.
10 p.m.—Close down.

3LO, MELBOURNE.

WEDNESDAY, 25th APRIRL, 1928.

EARLY MORNING SESSION.
7.15 a.m. to 8.15 a.m.

MORNING SESSION.

11.0 a.m.—ANZAC SERVICE, transmitted from St. Paul's Cathedral, Melbourne.
12.0 noon.—Metal Prices from the Australian Mines and Metals Association from the London Stock Exchange this day; British Official Wireless News from Rugby.

12.20 p.m.—THE STATION ORCHESTRA: Selected.
12.30 p.m.—OLIVER PEACOCK, Baritone: "Land of Hope and Glory." "The Drum-Major."
12.37 p.m.—THE STATION ORCHESTRA: March, "Entry of the Gladiators." "Martial Moments."
12.47 p.m.—RUPERT HAZELL AND ELSIE DAY will entertain you with appropriate items for Anzac Day.
1.0 p.m.—Melbourne Observatory Time Signal.
1.1 p.m.—THE STATION ORCHESTRA: "War-time Songs."
1.8 p.m.—Meteorological Information; Weather Forecast and Rainfall for Victoria, South Australia, Tasmania and New South Wales.
1.15 p.m.—COLIN THOMSON, Tenor: Selected.
1.22 p.m.—THE STATION ORCHESTRA: Selected.
1.30 p.m.—OLIVER PEACOCK, Baritone: "Memories of Anzac."
1.37 p.m.—THE STATION ORCHESTRA: "The Deathless Army." "The Last Post."
1.45 p.m.—Close Down.

AFTERNOON SESSION.

IN MEMORY OF THE DEAD—IN HONOR OF THE LIVING
"Forget us not, O land for which we fell—
May it go well with England, still go well."
2.0 p.m.—ANZAC DAY—MARCH PAST THE CENOTAPH OF RETURNED SOLDIERS AND SAILORS—Described from the Town Hall Portico by Eric Welch.
4.0 p.m.—SPECIAL ANZAC DAY SERVICE, transmitted from the Exhibition Building, Melbourne.

FROM THE STUDIO.

5.15 p.m.—Announcements; Close Down.

EVENING SESSION.

6.0 p.m.—Answers to Letters and Birthday Greetings by "MARY, MARY, QUITE CONTRARY."
6.20 p.m.—Musical Interlude.
6.25 p.m.—CAPT. DONALD MACLEAN: "What Anzac Day should mean to every Australian Boy and Girl."
6.40 p.m.—Musical Interlude.
6.45 p.m.—"MARY, MARY": "St. George of Merry England."

MUSICAL HALF HOUR.

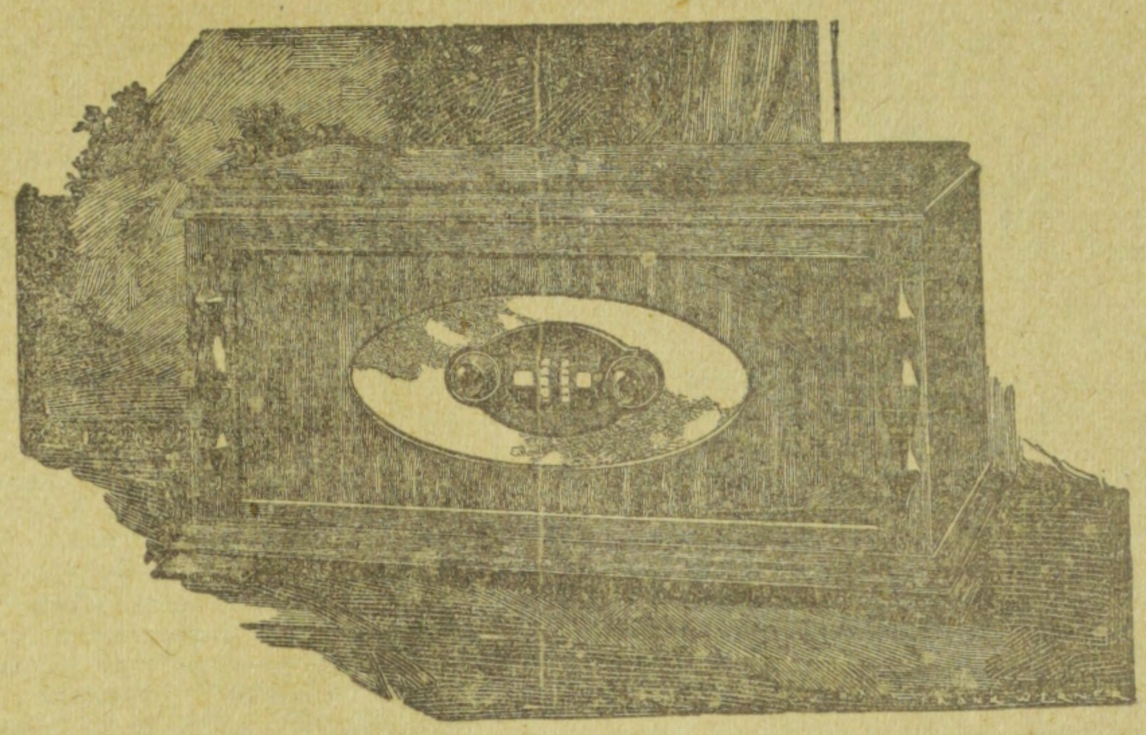
7.0 p.m.—Recital of the World's Most Famous Records.

NIGHT SESSION.

7.30 p.m.—Under the auspices of the Big Brother Movement, LIEUT-COLONEL A. F. BURRETT, will speak about the Movement.
7.45 p.m.—CAPT. PETERS: "Books, Wise and Otherwise."
8.0 p.m.—J. HOWLETT ROSS: "Anzac Day."
8.12 p.m.—Birthday Greetings and Programme Announcements.
8.15 p.m.—A RADIOLET: "FROM AUSSIE TO FLANDERS."
In Four Volleys arranged by SYD. L. EXTON.
1.—Parade ground, Broadmeadows.
2.—On Transport.
3.—Flanders.
4.—Blighty.
Characters interpreted by JOHNNY MARKS, BOBBY PEARCE, ROY SIMPSON, CECIL RAMSDALE, SYD. L. EXTON, assisted by Mrs. JOHNNY MARKS and BRUNSWICK CITY BAND.
Foreword: During the course of this Radiolet, you will hear the "voice of the Microphone," explaining to you the various scenes, thereby enabling you to better follow the journeyings of The Diggers in their portrayal of the "Spirit of Anzac."

INTERSPERSED ITEMS:

BAND:
"Colonel Bogey March."
"National Emblem."
"Old Comrades."
SYD. L. EXTON:
"Bells of St. Mary's."
"Australia Will Be There."
"When You Come Home."
"Roses of Picardy."



"D.J. STANDARD 5"

Price **£35** *Complete*

The tendency in radio to-day is to simplify the operation of a receiving set by reducing its number of controls. In the "D.J. Standard 5" 1928 Model you have a one-dial control set. Easy to operate, and receives true and clear. It has been specially designed and manufactured in our own factory. We fully guarantee it. A five-valve receiver built entirely of Australian materials. Encased in highly polished cabinet. Size 24 x 14½ x 9 inches. Set Complete, **£35**

There is also a "D.J. Standard 4" 1928 Model Receiving Set. Another of our own productions. Guaranteed by us. Just as easy to operate, and receives true and clear. Size 24 x 14½ x 9 ins. Price Set Complete, **£27/10/-**

Radio Dept., Lower Ground Floor

DAVID JONES'

Castlereagh, Market & Elizabeth Streets

BOBBY PEARCE:
"The Ginchy Road."
"Boys of the A.I.F."
"Heroes of the Dardanelles."
"Boys of the Old Brigade."
ROY SIMPSON:
"Company Sergt. Major."
"When Profundo Sings low C."
TRIOS:
"Long, Long Trail."
"Pack up Your Troubles."
"Keep the Home Fires Burning."
CECIL RAMSDALE:
"Spotty."
"Hell Gates of Soissons."

A CLASSICAL PROGRAMME.

9.45 p.m.—THE GYPSY PLAYERS: String Quartette, "Rondo" (Mozart).
9.52 p.m.—MOLLY MACKAY, Soprano: "Thou Art Like a Lovely Flower" (Schumann). "Les Cloches" (Debussy).
9.59 p.m.—THE GYPSY PLAYERS: Selection, "Martha" (Tobani).
10.6 p.m.—ROY GALLOWAY, Baritone (by permission of J. C. Williamson, Ltd.): Selected.
10.13 p.m.—BESSIE GAUNSON, Violin: Selected.
INTERLUDE.
10.18 p.m.—Announcements; British Official Wireless News from Rugby; News from Tomorrow's papers; Meteorological information.
10.28 p.m.—STATION ORCHESTRA: Suite, "Day in May" (Friml).
FRIVOLITIES.
10.35 p.m.—RUPERT HAZELL AND ELSIE DAY: "Harmonylarity."
10.47 p.m.—STATION ORCHESTRA: Selected.
10.56 p.m.—BERYL HAYDEN, Soubrette (by permission of J. C. Williamson, Ltd.): Selected.
11.0 p.m.—OUR GREAT THOUGHT:

A MEMORY.

"Life! how he cherished it,
Revelled and glowed with it,
Laughing eternally, blithesome and free.
Gladness he gloried in,
Courage o'erflowed in him,
Mischief, his greatest sin,
Life! It was he!
Death! It encountered him,
Claimed and enveloped him,
Stole away laughter, silenced his glee.
Deep in the mud he lay,
There at the end of day,
Still, on the crimson clay,
Death! It is he!"
—Walter Hume Ibbetson.

11.1 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

WEDNESDAY, 25th APRIRL, 1928.

EARLY MORNING SESSION.

Special Anzac Service to be broadcast from the Memorial Hall, High Street, Northcote. Chairman, Mr. H. S. W. Marshall, President of the Northcote Sub Branch, R.S.S.I.L.A.
10.30 a.m.—Opening hymn, "O God our Help."
Prayer, "Lord's Prayer."
Scripture Reading, Rev. J. H. Bates.
Hymn, "Rock of Ages."
Prayers, Rev. J. H. Bates.
11 a.m.—Two Minutes' Silence.
"Last Post."
Address, Padre J. H. Raverty.
Hymn, "Fight the Good Fight."
Benediction, Rev. J. H. Bates.

MORNING NEWS SESSION.

"Age" Sport Calendar.
Race Session: "Sporting Judge" report on this morning's gallops.
Latest information on coming events by G.F.R.
"Age" Stock Exchange report.
London Metal Market.
"Age" Market reports: Farm and station produce, fruit, fish, vegetables, etc.
"Age" Shipping reports.
Ocean forecast.
Mail notices.
Express train information.
British official wireless bulletin.
"Age" News Service, exclusive to 3AR.
First weather forecast.
12 noon.—G.P.O. Clock says "Twelve."

MIDDAY CONCERT SESSION.

Transmitted from Panatrope House, 252 Collins Street (by exclusive permission of Wills and Paton, Ltd.), on the Brunswick Panatrope.

MATINEE SESSION.

ORCHESTRAL DANCE CONCERT.

2 p.m.—Melbourne Concert Orchestra: "Prairie Sketches" (Cadman).
2.15 p.m.—Description of Anzac March from the corner of Bourke and Spring Streets.
3.30 p.m.—Melbourne Concert Orchestra: Overture, "Peter Schroll" (Weber). "First African Suite" (Barcroft).
3.53 p.m.—Miss Jessie Shmith, contralto: "Before you came" (Wilson). "Transformation" (Watts).
4 p.m.—G.P.O. clock says "Four."
4.1 p.m.—Second weather forecast.
4.3 p.m.—Melbourne Concert Orchestra: "Greig Fantasie" (Urbach). "Scenes from the South" (Nicode).
4.32 p.m.—Miss Jessie Shmith, contralto: "The Bitterness of Love" (Dunn). "Don't you mind the sorrows" (Cowles).
4.40 p.m.—Melbourne Concert Orchestra: "Valse Suite" (Brahms). "Intermezzo and Barcarolle," from "Les Contes d'Hoffman" (Offenbach).
4.55 p.m.—Announcements. To-night's entertainment.
5 p.m.—G.P.O. Clock says "Five." "God Save the King."

CHILDREN'S SESSION.

6.30 p.m.—3AR's Cousin Peter.

EVENING SESSION.

"CONCERT HALL AND BALL ROOM."

7.15 p.m.—Our Boy Scouts: Commissioner W. D. Kennedy, Deputy Camp Chief of Victoria, will give his interesting weekly notes and news on the Scout movement.
7.35 p.m.—Sport Session: "Harlequin" presents his budget of up-to-date news and comments on Sport of the day.
7.50 p.m.—Macnamara's Stock Reports.
8 p.m.—G.P.O. Clock says "Eight."
8.1 p.m.—Melbourne Concert Orchestra: Overture, "Ilka" (Francz Doppler). "Minnesold" (Joan Fresco).
8.12 p.m.—Mr. Stanley J. Allan, tenor: "Poet Song," from "La Boheme" (Puccini). "I Hid my Love" (d'Hardelot).
8.20 p.m.—Melbourne Concert Orchestra: "Two Hindoo Pictures" (Adolf Lotter). "Three Irish Pictures" (John Ansell).
8.38 p.m.—Mr. Herbert Pettifer, violin: "Scene de Ballet" (de Beriot).
8.43 p.m.—Miss Jocelyn Sturley, soprano: "Chanson de Florian" (Godard). "The Green Hat" (Schumann).
8.50 p.m.—Announcements.
9.2 p.m.—Melbourne Concert Orchestra: "Serenade Italien" (Schebek). "Four Cinderella Dances" (Lohr).
9.17 p.m.—Miss Jocelyn Sturley, soprano, and Mr. Stanley J. Allan, tenor: Duet, "Miserere," from "Il Trovatore" (Verdi). "Scene from Madame Butterfly" (Puccini).
9.25 p.m.—Melbourne Concert Orchestra: "Romance" (Jean Sibelius). "Four Spanish Pictures" (A. Luzzatti).
9.50 p.m.—Announcements.
10 p.m.—G.P.O. Clock says "Ten."
10.1 p.m.—Semi-final weather forecast, specially for our Country Listeners.
10.3 p.m.—Mr. Stanley J. Allan, tenor: "The Garden of Your Heart" (Francis Dorel). "Uncle Rome" (Sidney Homer).
10.10 p.m.—Melbourne Concert Orchestra: "Capriccio Italien" (Tschaikowsky).
10.26 p.m.—Mr. Ernie Pettifer, clarinet, and Mr. C. Richard Chugg, flute: Duet, "Sweet Longing" (Mezel).
10.30 p.m.—Miss Jocelyn Sturley, soprano: "The Hearts Worship" (Holst). "Gentle Shepherd" (Pergolesi).
10.38 p.m.—Melbourne Concert Orchestra: "Poeme" (Franz Drdla). "Love's Enchantment" (Irene Varley). "The Eternal Spring" (Rolt).
10.45 p.m.—"Harlequin": Sport results.
10.52 p.m.—"Age" News Service, exclusive to 3AR.
10.58 p.m.—Final weather forecast.
10.59 p.m.—Our Australian Good-night Quote is taken from the poem, "In Collins Street," by George Essex Evans.
11 p.m.—G.P.O. Clock says "Eleven." "God Save the King."

4QG, BRISBANE

WEDNESDAY, 25th APRIRL, 1928.

MORNING SESSION.

The complete Anzac Memorial Service will be relayed from the Albert Street Methodist Church.
11 a.m.—Anzac Memorial Service.
12 noon—Close down.

AFTERNOON SESSION.

The Anzac Day rally arranged by the Returned Sailors and Soldiers' Imperial League will be relayed from the Botanic Gardens.
3 p.m.—Anzac Day Rally.
4.30 p.m.—Close down.
7.45 p.m.—Lecturette: "The Pastoral Industry of Queensland," by Professor J. K. Murray (Principal of the Queensland Agricultural High School and College).

NIGHT SESSION.

The Anzac Day Commemorative Meeting will be relayed from the Exhibition Hall.
7.55 p.m.—Opening address by the Mayor.
8 p.m.—Hymn: "Nearer My God to Thee."
8.10 p.m.—Address by His Excellency the Governor (Sir John Goodwin).
8.20 p.m.—Curlew Male Choir. "Comrades in Arms."
8.30 p.m.—The Hon. the Premier (Mr. W. McCormack, M.L.A.) to move the first Resolution.
8.45 p.m.—Band: "Peace Festival," Overture.
8.50 p.m.—Leader of Opposition (Mr. A. E. Moore) to second Resolution.
8.58 p.m.—The Last Post—sounded by ex-Sergt. Barnes.
9 p.m.—One Minute's Silence—"Dead March," by Band.
9.10 p.m.—Curlew Male Choir: "The Boloaguered."
9.20 p.m.—Mr. H. Frazer East, State President, R.S.S.I.L.A., to move second Resolution.
9.30 p.m.—Solo by Mr. J. E. England.
9.40 p.m.—Curlew Male Choir: "The Spartan Heroes."
9.50 p.m.—Miss Freda Bage to second second Resolution.
10 p.m.—Band: "Voice of the Bells."
10.10 p.m.—Curlew Male Choir: "The Long Day Closes."
10.20 p.m.—Hymn: "Abide With Me."
10.21 p.m.—News service for distant listeners. Weather news.
11 p.m.—Close down.

5CL, ADELAIDE

WEDNESDAY, 25th APRIRL, 1928.

MIDDAY SESSION.
12 noon to 2 p.m.

AFTERNOON SESSION.

3 p.m.—G.P.O. Chimes.
3.1 p.m.—Musical numbers on the studio "Recreator."
3.25 p.m.—Menu talk by "Homelover."

3.45 p.m.—Fashion talk by J. Craven and Co.

4 p.m.—G.P.O. Chimes.

4.1 p.m.—Musical numbers on the studio "Recreator."

4.57 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.

5 p.m.—G.P.O. Chimes and close down.

EVENING SESSION.

6 p.m.—G.P.O. Chimes.

6.1 p.m.—Children's entertainment by the 5CL Radio Family.

6.30 p.m.—Dinner Music on the Studio "Recreator."

7 p.m.—G.P.O. Chimes.

7.1 p.m.—General Market reports by A. W. Sandford and Co., A. E. Hall and Co., Dalgety and Co., S.A. Farmers Co-operative Union, Taylor Bros., Retail Grocers Association, Interstate Fruit and Produce Market Co. Ltd.

7.10 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.

7.15 p.m.—Extracts from News Bulletin.

7.30 p.m.—Boy Scouts Corner.

7.45 p.m.—Entertainment for the 5CL Girls Club—The "Bird Lady."

8 p.m.—G.P.O. Chimes.

8.1 p.m.—Grosvenor Orchestra:
Selection, "A Country Girl" (Monckton).

8.16 p.m.—Leonard Crispe, tenor:
"Elegie" (Masscuet).
"Muleteer of Malaga (Trotere).

8.23 p.m.—Grosvenor Orchestra:
Waltz, "Deliah" (Nicholls).

8.29 p.m.—Mrs. J. L. Davey, contralto:
"Requies" (Homer).
"There's a land" (Allitsen).

8.37 p.m.—Grosvenor Orchestra:
Chinese foxtrot, "Ta-Whoo" (Fletcher).

8.42 p.m.—Leonard Crisp, tenor:
"If thou wert blind" (Johnson).

8.46 p.m.—Frank Harvey, violinist:
"Simple Aveu" (Thome).

8.51 p.m.—Mrs. J. L. Davey, contralto:
"A Request" (Woodford).

8.55 p.m.—Station Announcements.

9 p.m.—Meteoroloqgical information, weather forecast, and Dalgety's wheat report.

9.2 p.m.—International News.

9.10 p.m.—Grosvener Orchestra:
Gavotte, "Carnations" (Albers).

9.15 p.m.—Alice Burke, soprano:
"Agnus Dei" (Bizzet).
"Japanese Love-Song" (May Brahe).

9.22 p.m.—Grosvenor Overture, Medley Overture (Stasnay).

9.34 p.m.—Alfred Warren, the Pom-Yank, in popular songs and yodeling.

9.40 p.m.—Frank Charlton, basso:
"The Curfew" (Gold).
"Lady Mine" (Lohr).

9.47 p.m.—Grosvenor Orchestra:
Waltz, "Lilac Time" (Schubert).

9.53 p.m.—Alice Burke, soprano:
"String of Pearls" (Lyall Phillips).

9.57 p.m.—Station Announcements.

10 p.m.—G.P.O. Chimes.

10.1 p.m.—"Advertiser" News Service and Local and interstate sporting results.

10.8 p.m.—Frank Harvey, violinist:
"La Serenata" (Braga).

10.12 p.m.—Frank Charlton, basso:
"Thou art passing hence."

10.16 p.m.—Grosvener Orchestra:
Quickstep, "Mounted Police" (Lincoln).

10.21 p.m.—Frank Charlton and John Gilfillan, Vocal duet, "Watchman, what of the night" (Sargent).

10.26 p.m.—The Pom-Yank in yodeling numbers.

10.31 p.m.—John Gilfillan, tenor:
"My Queen" (Blumenthal).
"Evening Song."

10.38 p.m.—Relay from Glenelg, The Maison Dance Band.

10.55 p.m.—Station Announcements, Weather Forecast and to-morrow's programme.

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

Exide WIRELESS BATTERIES

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6WF, PERTH.

WEDNESDAY, 25th APRIRL, 1928.

MIDDAY SESSION.

12 noon.—Tune in.
12.5 p.m.—Musical programme, including pianoforte selections by Miss Evelyn Willis, A.R.C.M.
12.47 p.m.—Local News Bulletin, overeas news.
1 p.m.—Time signal.
1.1 p.m.—Weather notes.
1.2 p.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—Tune in.
3.35 p.m.—From the Studio.
Musical programme, including vocal and instrumental artists.
4.30 p.m.—Close down.
7 p.m.—Tune in.
The evening transmission is broadcast on 104.5 metres as well as the usual wavelength.
7.5 p.m.—Children's bedtime stories.
7.30 p.m.—A Relay.
Anzac service relayed from Charles Street Methodist Church, West Perth.
Organ recital by Mr. O. G. Campbell-Egan.
Assisiting artists:
Select Male Quartette Party.
Mrs. W. L. Menkens, contralto.
Miss Iris Davies, soprano.
Mr. H. G. Neate, bass-baritone.
Mr. G. R. Phillip, bass.
Mrs. W. G. Sutton, elocutionist.
Mr. Chas. Court, cornet solos.
Items by the R.S.L. Band, conducted by Mr. W. A. Halvorsen.
Address by the Captain Chaplain, Rev. Eric H. O. Nye.
10.5 p.m.—Close down.

104.5 METRE TRANSMISSION.

Simultaneous broadcast on 104.5 metres of programme given on 1250 metres, commencing at 7 p.m.

Thurs., April 26

2FC, SYDNEY.

EARLY MORNING SESSION.
7 a.m. to 8 a.m.

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.—Last minute Sporting information by the 2FC Racing Commissioner.
10.45 a.m.—Studio music.
11 a.m.—"Big Ben." Studio music.
11.5 a.m.—A.P.A. and Reuter's Cable Services.
11.10 a.m.—Studio music.
11.15 a.m.—A Reading.
11.30 a.m.—Close down.

MIDDAY SESSION.

12 noon.—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange, first call.
12.3 p.m.—Official weather forecast, rainfall.
12.5 p.m.—Studio music.
12.10 p.m.—Summary of "Sydney Morning Herald" news service.
12.15 p.m.—Rugby wireless news.
12.20 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.3 p.m.—"Evening News" midday news service.
Producers' Distributing Society's Report.
1.20 p.m.—Studio music.
1.28 p.m.—Stock Epchange, second call.
1.30 p.m.—Miss Dorothy Rose, soprano.
1.35 p.m.—Studio music.
1.50 p.m.—Miss Dorothy Rose, soprano.
1.55 p.m.—Late Sporting information given by the 2FC Racing Commissioner.
2.5 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.
3.5 p.m.—From the Christ Church, St. Laurence:
An Organ Recital by Christian Hellemann.
3.20 p.m.—From the Studio:
Miss Hilda Nelson, soprano.
3.25 p.m.—From the Christ Church, St. Laurence:
An Organ Recital by Christian Hellemann.
3.40 p.m.—From the Studio:
Miss Hilda Nelson, soprano.
4.5 p.m.—From Christ Church, St. Laurence:
Further items from the Organ Recital by Christian Hellemann.
4.20 p.m.—From the Studio:
Miss Annie Sedger, mezzo.
4.25 p.m.—A Reading.
4.35 p.m.—Popular Records.
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Studio music.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.40 p.m.—The chimes of 2FC.
5.45 p.m.—The "Hello Man" talks to the children.
6.15 p.m.—Story time for the young folk.
6.30 p.m.—Dinner music.
7 p.m.—"Big Ben." Late sporting news.
7.10 p.m.—Dalgety's Market Reports (wool, wheat, stock).
7.18 p.m.—Fruit and vegetable markets.
P.D.S. Poultry Reports.
7.22 p.m.—Weather and shipping intelligence.
7.26 p.m.—"Evening News" late news service.

NIGHT SESSION.

7.40 p.m.—Programme announcements.
7.45 p.m.—Aubrey O'Halloran, F.R.A.H.S., will talk of Captain Cook's Landing at "Kurnell"
8 p.m.—"Big Ben."
Raymond Ellis, English operatic baritone.
8.15 p.m.—The 2FC Orchestra, conducted by Horace Keats.
8.30 p.m.—Excerpts from "La Boheme" (Puccini), by the Operatic Trio:
Norman Janson, baritone.
Charles Stephens, tenor.
Gilda Pattini, soprano.
8.40 p.m.—The 2FC Orchestra.
9 p.m.—"Big Ben." Late weather forecast.
Excerpts from "La Boheme" (Puccini), by the Operatic Trio (arranged by Norman Janson).
9.10 p.m.—The 2FC Orchestra.
9.25 p.m.—A Book Review by Grattan Smith.
9.40 p.m.—Daisy Richards, violinist.
9.48 p.m.—Raymond Ellis, baritone.
10 p.m.—"Big Ben."
The 2FC Orchestra.
Conductor, Horace Keats.
10.10 p.m.—A group of English numbers by the Operatic Trio:
Norman Janson, baritone.
Charles Stephens, tenor.
Gilda Pattini, soprano.
10.20 p.m.—Daisy Richards, violinist.
10.29 p.m.—From the Ambassadors:
The Ambassadors Dance Orchestra.
Conductor, Al. Hammet.
10.57 p.m.—From the Studio:
To-morrow's programme and late news.
11 p.m.—"Big Ben."
The Ambassadors Dance Orchestra.
11.45 p.m.—National Anthem.

2BL, SYDNEY.

THURSDAY, 26th APRIL, 1928.

EARLY MORNING SESSION.
8 a.m. to 9 a.m.

MORNING SESSION.

10.30 a.m.—G.P.O. Clock and chimes.
Musical programme from Studio.
11 a.m.—G.P.O. Clock and chimes.
Social Notes—Replies to correspondents by Mrs. Jordan.
Talk on "Architecture" by Mr. Brogan.
12 noon.—G.P.O. Clock and chimes.
Special Ocean Forecast and weather report.
12.3 p.m.—Musical programme from Studio.
12.8 p.m.—Information, Mails, Shipping, and port directory.
12.11 p.m.—Boats in call by wireless.
12.13 p.m.—Fruit Market report.
12.15 p.m.—Vegetable market report.
12.17 p.m.—London Metal Market report.
12.19 p.m.—Dairy Farm and Produce Market report.
12.22 p.m.—Forage Market report.
12.24 p.m.—Fish Market report.
12.26 p.m.—Rabbit Market report.
12.30 p.m.—H.M.V. Gramophone recital.
1.27 p.m.—Stock Exchange report
1.30 p.m.—G.P.O. Clock and chimes.
Talk to children and special entertainment for Children in Hospital.
2 p.m.—G.P.O. Clock and chimes.
Close down.

AFTERNOON SESSION.

Racing information broadcast immediately after each race by courtesy of the "Sun."
3 p.m.—G.P.O. Clock and chimes.
News from the "Sun."
3.10 p.m.—Musical programme from the studio
3.20 p.m.—News from the "Sun."
3.30 p.m.—Musical programme from Studio.
3.40 p.m.—Dungowan Dancce Band, broadcast from Dungowan Cabaret.
4 p.m.—G.P.O. Clock and chimes.
News from the "Sun."
4.8 p.m.—Musical programme from the studio.
4.15 p.m.—Talk on "The Women of Ancient Rome."
4.30 p.m.—Dungowan Band.
4.50 p.m.—News from the "Sun."
4.57 p.m.—Features of evenings programme.
4.59 p.m.—Racing Resume.
5 p.m.—G.P.O. Clock and chimes.
Close down.

EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and chimes.
Children's Session.

SPECIAL COUNTRY SESSION.

6.30 p.m.—G.P.O. Clock and chimes.
Australian Mercantile Land and Finance Co.'s Report.
Weather report and forecast by courtesy of Govt. Meteorologist.
Producers Distributing Society's Fruit and Vegetable Market report.
Stock Exchange report.
Grain and Fodder report ("Sun.")
Dairy Produce report ("Sun.")
Weekly Traffic Bulletin.
6.45 p.m.—Country News from the "Sun."
7 p.m.—G.P.O. Clock and chimes.
Dinner Music.
7.30 p.m.—News from the "Sun."
8 p.m.—G.P.O. Clock and chimes.
Broadcasters Topical Chorus.
8.3 p.m.—Mr. E. H. Watson, baritone.
8.10 p.m.—The Wurlitzer Organ broadcast from the Arcadia Theatre, Chatswood.
Organist, Mr. N. Robins.
8.15 p.m.—Miss Marjorie Skill, soprano.
8.22 p.m.—Mr. Moore MacMahon, violinist.
8.29 p.m.—Miss Faith Mallaby, mezzo soprano.
8.36 p.m.—The British Music Society String Quartette.
8.46 p.m.—Mr. Stanley R. Catlett, tenor.
8.53 p.m.—Mr. Robert Turner, elocutionist.
9 p.m.—G.P.O. Clock and chimes.
Weather report and forecast by courtesy of Mr. C. J. Mares, Govt. Meteorologist.
9.1 p.m.—Mr. E. H. Watson.
9.8 p.m.—Mr. Moore MacMahon.
9.15 p.m.—Miss Marjorie Skill.
9.22 p.m.—The British Music Society String Quartette.
9.32 p.m.—Miss Faith Mallaby.
9.39 p.m.—Mr. Robert Turner.
9.46 p.m.—The British Music Society String Quartette.
9.53 p.m.—Mr. Stanley R. Catlett.
10 p.m.—G.P.O. Clock and chimes.
Resume of following day's programme.
10.5 p.m.—The Wurlitzer Organ broadcast from the Arcadia Theatre, Chatswood.
10.20 p.m.—The Wentworth Cafe Orchestra under the direction of Mr. S. Simpson. During intervals between dances "Sun" news will be broadcast.
11.30 p.m.—G.P.O. Clock and chimes.
National Anthem.

2GB, SYDNEY

THURSDAY, 26th APRIL, 1928.

MORNING SESSION.

10 a.m.—Music.
10.10 a.m.—Happiness Talk by Alfred E. Bennett.
10.20 a.m.—Music.
10.30 a.m.—Women's Session by Miss Helen J. Beegling.
11 a.m.—Close down.

AFTERNOON SESSION.

2 p.m.—Music.
2.20 p.m.—Address.
2.35 p.m.—Music.
3 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—Children's Session by Uncle George.
6.30 p.m.—Stock and Market reports by New Zealand Loan and Mercantile Agency Co., Ltd.
7.15 p.m.—Benediction Service.
7.35 p.m.—Music.
8 p.m.—Opening Chorus.
8.2 p.m.—Studio Instrumental Trio.
8.15 p.m.—An Illustrated Talk on "Brahms," arranged by Miss Phyllis Campbell.
8.25 p.m.—Song Group by Madam Bennett North.
8.32 p.m.—Sonata by Mr. Dan Scully.
8.42 p.m.—Song Group by Madam Bennett North.
8.49 p.m.—Pianoforte solo by Miss Ada Brook.
9 p.m.—Talk.
9.20 p.m.—Humorous items by Mr. Tommy Clyde, Scottish comedian.
9.27 p.m.—Studio Instrumental Trio.
9.36 p.m.—Songs by Mr. Frederick Turrell.
9.43 p.m.—Humorous items by Mr. Tommy Clyde, Scottish comedian.
9.50 p.m.—Songs by Mr. Frederick Turrell.

3LO, MELBOURNE

THURSDAY, 26th APRIL, 1928.

EARLY MORNING SESSION.
7.15 a.m. to 8.15 a.m.

MORNING SESSION.

11 a.m.—3LO'S CULINARY COUNSELS, or How to Create Creature Comforts with a Minimum of Cash.

JELLY.

WINE, ORANGE, OR ANY FRUIT JUICE.

Seven cups water, 2½ cups sugar, 13 sheets (thin) gelatine, 1 teaspoon citric acid, 1 cup wine or any fruit juice, coloring (such as cochineal, etc.).

METHOD: (1) Soak gelatine in water for half-hour. (2) Lift out into a basin. (3) Pour 7 cups boiling water in on top. (4) Add sugar, citric acid. (5) Stir till dissolved (strain if necessary). (6) When cold, add wine or fruit juice and coloring as desired. (7) Allow to set on ice (or overnight in the cool). (8) It may be poured into wetted moulds to set, or left in basin and served roughly in jelly glasses.

THE GLORY OF THE GARDEN—

1. Be neighborly; no recreation brings out the best qualities in man more than gardening does. An exchange of ideas, and plants, is good.
2. When purchasing seeds, be careful to describe your soil and locality. These are most important factors.
3. Fertilisers are good, but knowing how to apply them is better. Adhere religiously to the directions.
4. Transplant during cloudy or rainy weather. The best time for watering is late afternoon.

11.5 p.m.—COL. POTTINGER: "A Talk of Interest to Women."
11.20 a.m.—Musical interlude.
11.25 a.m.—SISTER PURCELL: "Infant Welfare."

Look for the name "EVER-READY" and this TRADE-MARK

Do YOU use an "Ever-Ready?"

In addressing this to you, we feel we are talking to the average owner of a radio set, and not to a second Marconi.

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Your motor car would not run at all well if you used oil instead of petrol. No Sir! Same thing in radio. If you want continuous, perfect reception, you must cater for it by using not merely the right type of "B" Battery, but one which has an unexcelled reputation for reliability, long life and economy. Sir, you guessed right. You'd use an "Ever-Ready." Wire one in now, and hear the difference.

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On the left are shown the two new "Ever-Ready" H.T. 45 volt "B" Batteries, specially designed for use with Multi-valve sets of the Neutrodyne and Super-Heterodyne types.

Type H.D., 45 volt ... 22/6
Type S.S., 45 volt 26/-

Here is illustrated the "EVER-READY," 63 Volt W.P. Type H.T. "B" Battery. The complete range of "B" batteries is listed below.

Small size, type W.P., 31.5 volt., 9/6
Small size, type W.P., 42 volt, 12/6
Small size, type W.P., 63 volt, 18/-
Large size, type X.P., 60 volt, 31/6

11.40 a.m.—Musical interlude.
11.45 a.m.—Mrs. HENRIETTA C. WALKER—The Art of Being a Settler.
"Some More Makeshift Furniture."

MIDDAY SESSION.

12 noon.—Melbourne Observatory Time Signal.
12.1 p.m.—Metal prices received from the Australian Mines and Metals Association from the London Stock Exchange this day. British official Wireless news from Rugby. Reuters and The Australian Press Association cables. "Argus" news service.

COMMUNITY SINGING.

12.20 p.m.—Community singing, transmitted from the Assembly Hall, Collins street, Melbourne. Conductor: G. J. MACKAY, assisted by the GYPSY PLAYERS.
Soloists:
JAMES GORDON, baritone.
"The Pipes of Pan" (Elgar).
"Down the Lane" (Gwyther).
RUPERT HAZELL and ELSIE DAY.
"Harmonylarity."

FROM THE STUDIO.

1.45 p.m.—Meteorological information. Weather forecast and rainfall for Victoria, Tasmania, South Australia and New South Wales; ocean forecasts; river reports.; stock Exchange information.
1.55 p.m.—Close down.

AFTERNOON SESSION.

2.15 p.m.—THE STATION ORCHESTRA:
"La Siesta."
"La Paloma."
2.25 p.m.—FRANK AND FRANCIS LUIZ:
Duet, "Akahi Oi."
Song, "A Song to Hawaii."
Steel guitar: "Hula Blues."
Duet, "My Sweet Hawaiian Hula Girl" (Frank Luiz, unpublished).
2.37 p.m.—THE STATION ORCHESTRA:
"Gems from South America" (Schmidt).
2.47 p.m.—OLIVER PEACOCK, baritone:
"Little Blue Sun Bonnet" (Hamery).
"A Venetian Song" (Tosti).
2.54 p.m.—THE STATION ORCHESTRA:
"La Serenata" (Braga).
3 p.m.—Melbourne Observatorp Time Signal.

EDUCATION HOUR.

3.1 p.m.—DR. LOFTUS HILLS:
"Topics of the Week."
3.15 p.m.—FRITZ HART will speak to Students of Music.
3.30 p.m.—REV. WM. BOTTOMLEY:
"Idylls of the King" (Tennyson).
"The Marriage of Geraint."

A LITTLE MORE SUNSHINE.

3.45 p.m.—THE STATION ORCHESTRA:
Selection, "Lilac Time" (Schubert).

CHAMBER MUSIC.

3.55 p.m.—MOLLY MACKAY, soprano:
"Chanson Indoue" (Korsakoff).
"Romance" (Debussy).
4.2 p.m.—HELGA BRENNICKE, 'cello:
"Movement from Sonata" (Beethoven).
4.8 p.m.—THE GYPSY PLAYERS:
"Quartet" (Mozart).
4.18 p.m.—MOLLY MACKAY, soprano:
"Se Seran Rose" (Arditi).
"Sapper Vorreste" (Verdi).
4.25 p.m.—THE GYPSY PLAYERS:
"Andante" (Dittersdorf).

NEWS SESSION.

4.30 p.m.—"Herald" News Service. Stock Exchange information.

EVENSONG.

4.45 p.m.—Evensong, transmitted from St. Paul's Cathedral.
5.30 p.m.—Acceptances for Caulfield Races, Saturday, 28th.
5.35 p.m.—Close down.

EVENING SESSION.

6 p.m.—Answers to Letters and Birthday Greetings by "MARY GUMLEAF."
6.20 p.m.—Musical interlude.
6.25 p.m.—"MARY GUMLEAF," Poems:
"Little Red Riding Hood," in Verse.
"A Sleepy Time."
Story for the Littlest Ones.
"The Tale of Simon Whiskers."
6.40 p.m.—Musical interlude.
6.45 p.m.—"MARY GUMLEAF."
Story for the older children from "The Enchanted Forest"—"The Waterfall Fairy"

NEWS AND MARKET REPORTS.

7 p.m.—Official report of Newmarket Stock Sales by the Associated Stock and Station Agents, Bourke-street, Melbourne.
7.5 p.m.—"Herald" news service. Weather synopsis. Shipping movements.
7.12 p.m.—Stock Exchange information.
7.15 p.m.—Fish market reports by J. R. Borrett, Ltd. Rabbit prices.
7.19 p.m.—River Reports.
7.21 p.m.—Market Reports by the Victorian Producers' Co-operative Co. Ltd.—Poultry, grain, hay, straw, jute, dairy produce, potatoes and onions. Market reports of fruit by the Victorian Fruiterers' Association—retail prices. Wholesale Prices of Fruit by the Wholesale Fruit Merchants' Association. Citrus Fruits. Ballarat Pig Market reports, by the Ballarat Stock and Station Agents.

NIGHT SESSION.

7.30 p.m.—Under the Auspices of the Health Association of Victoria, P. BYRNE will speak on,
"Oral Hygiene."
7.45 p.m.—BRANDON PETERS, now appearing in "The Trial of Mary Dugan" at the Theatre Royal, will speak to you from his dressing room, by permission of J. C. Williamson, Ltd.
8 p.m.—ROD McGREGOR will speak on "Football."
8.15 p.m.—Birthday Greetings and Programme Announcements.

3LO'S DANCE PROGRAMME.

"But O, she dances such a way.
No sun upon an Easter-day
Is half so fine a sight."
—Sir John Suckling.

8.16 p.m.—THE VAGABONDS.
"Down Kentucky Way" (Hall).
"Yesterday" (Harrison).
"There will come a time" (Garren).
8.25 p.m.—MOLLY MACKAY. Soprano,
"I've been roving" (Old English).
8.28 p.m.—THE VAGABONDS,
"Red Lips Kiss my Blues Away" (Bryan).
"My Idea of Heaven" (Johnson).
"The Magic of Moonlight and Love" (Hayess).
8.38 p.m.—A few minutes chat on THE SHRINE OF REMEMBRANCE.
8.42 p.m.—THE VAGABONDS:
"Funny Tune" (Olsen).
"Sing me a Baby Song" (Kahn).
"What will you do."
8.51 p.m.—FRANK AND FRANCIS LUIZ.
Duets, "Maui Cirl."
"Behind Your Silken Veil."
8.54 p.m.—THE VAGABONDS,
"Barbara" (Silver).
"Dancing Tambourine" (Polla).
"All by my Ownsome" (Kahn).
9.3 p.m.—RUPERT HAZELL AND ELSIE DAY:
"Harmonylarity."
9.6 p.m.—THE VAGABONDS:
"Egyptian Echoes" (Black).
"Are You Happy" (Agar).
"Who's Loving You To-night?" (Rose).
9.15 p.m.—OLIVER PEACOCK, baritone:
"Moon Dream Shore" (Lockhart).
9.18 p.m.—THE VAGABONDS:
"Following You Around" (Kahn).
"The Girl Friend."
"The Blue Room."
9.27 p.m.—MOLLY MACKAY, soprano:
"The New Umbrella," by request (Bebby).
9.30 p.m.—THE VAGABONDS:
"Diane" (Rapee).
"I Walked Back from the Buggy Ride" (Adams).
"Cheerie Beerie Bee."
9.39 p.m.—FRANK AND FRANCIS LUIZ:
Duet, "Imi Au Ia Oe."
Steel Guitar, "Halona Waltz."
9.42 p.m.—THE VAGABONDS:
"Rose of the Volga" (Kahn).
"From Now On" (Friend).
"Broken Hearted" (Lewis).
9.51 p.m.—RUPERT HAZELL AND ELSIE DAY:
"Harmonylarity."
9.54 p.m.—THE VAGABONDS:
"Lazy Weather" (Trent).
"Dainty Miss," Piano Solo.
10 p.m.—"Argus" news service. British Official Wireless news from Rugby. Meteorological information. Announcements. Sporting notes by "Olympus." Island shipping movements.
The Royal Automobile Club of Victoria's SAFETY MESSAGE for To-day is:
"Beating the other fellow to the corner, with the light against you, is bad manners, and gets you nowhere."
THE GLORY OF THE GARDEN—
"God creates out of the dry, full earth so many flowers of such beautiful colors, and such sweet perfume, as no painter nor apothecary can rival. From the common ground God is ever bringing forth flowers, golden, crimson, blue, brown, and of all colors."—Martin Luther.
KEEP YOUR GARDEN GAY WITH A KALEIDOSCOPE OF FRAGRANT FLOWERS.
10.15 p.m.—THE VAGABONDS:
"My Ohio Home" (Kahn).
"The Spell of the Moon" (Kahn).
"A Shady Tree."
10.24 p.m.—OLIVER PEACOCK, baritone:
"Taviuni" (Pointer).
10.27 p.m.—THE VAGABONDS:
"Stay Out of the South" (Dixon).
"There Must be a Silver Lining."
"Spanish Moon."
10.36 p.m.—MOLLY MACKAY, soprano:
"Chanson de Florian" (Godard).
10.39 p.m.—THE VAGABONDS:
"Baby Your Mother."
"Yale Blues" (Ellis).
"Just a Little Cuter" (Alexander).
10.48 p.m.—FRANK AND FRANCIS LUIZ:
Song: "Like No a Like."
Duet: "Honeymoon Isles."
10.51 p.m.—THE VAGABONDS:
"She Belongs to Me" (Johnson).
"Deep River Blues."
"Half a Moon" (Hanley).
11 p.m.—OUR GREAT THOUGHT:
"There is a tide in the affairs of men,
Which, taken at the flood, leads on to Fortune;
Omitted, all the voyage of their life
Is bound in shallows, and in miseries;
And we must take the Current when it serves,
Or lose our ventures."—Shakespeare.
11.1 p.m.—THE VAGABONDS.
11.40 p.m.—GOD SAVE THE KING.

4QG, BRISBANE.

THURSDAY, 26th APRIL, 1928.

MORNING SESSION.

10.30 a.m. to 11.30 a.m.

MIDDAY SESSION.

1 p.m.—Market reports; weather information supplied by the Commonwealth Weather Bureau; news service supplied by "The Daily Mail" and "The Daily Standard."
1.20 p.m.—Lunch hour address.
1.58 p.m.—Standard time signal.
2 p.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—Mail train running times.
3.31 p.m.—A programme of music from the Studio.
4.15 p.m.—"The Telegraph" news.
4.30 p.m.—Close down.

EARLY EVENING SESSION.

6 p.m.—Mail train running times, "Daily Standard" news; weather information; announcements.
6.10 p.m.—A talk to motorists "The Origin of Petroleum," by "Gargoyle."
6.30 p.m.—Bedtime stories by "The Sandman"
7 p.m.—Special news service; market reports; stock reports.
7.30 p.m.—Weather news; "Daily Standard" news; announcements.
7.43 p.m.—Standard time signals.
7.45 p.m.—Lecturette: "A talk on Books," by Mr. J. Doyle (McLeod's).

NIGHT SESSION.

A programme by "The Troubadours (conductor, Mr. Reg. Yorston) relayed from the Acacia Garden.

p.m.—Introductory Chorus:
"We Meet Again To-night" (Berguist).
The Troubadours.

Dramatic chorus:
"Spartan Heroes" (Protheroe).
The Troubadours.

Tenor solo
"Rose of My Heart" (Lohr).
Mr. C. J. Birkbeck.

Cornet solos and chorus:
"Because" (d'Hardelot).
Mr. Peter Vallely.

Humorous part song:
"The Catastrophie" (Sprague).
The Troubadours.

Piano solo:
"Shepherd's Hey" (Grainger).
Miss Elsie Yorston.

Quartette:
"Selection of Plantation Melodies" (Klohr).
The Troubadours Instrumental Quartette.

Bass solo:
"Reuben Ranzo" (Squire).
Mr. Dick Pike.

Brotherhood Chorus:
"Comrades in Arms" (Adam).
The Troubadours.

Baritone solo:
"Old Fashioned Town" (Weatherill).
Mr. T. Griffiths.

Fox trot and chorus:
Selected.
The Troubadours Instrumental Quartette.

Tenor solo:
"In a Monastery Garden" (Ketelby).
Mr. Arthur Smith.

9 p.m.—Sea Chantey:
"Old Man Noah!" (Bartholomew).
The Troubadours.

Cornet solo:
"Little Grey Home in the West" (Lohr).
Mr. Peter Vallely.

Tenor solo:
"In the Garden of My Heart" (d'Hardelot).
Mr. Charles Kolb.

Humorous part song:
"Care Killed a Cat" (Kingsmill).
The Troubadours.

Valse Lento:
"Dreamy Melody" (Koehler).
The Troubadours Instrumental Quartette.

Humorous item:
Mr. E. Kenyon.

Vocal duet:
"Tenor and Baritone."
Messrs. Kolb and Pike.

Descriptive chorus:
"Anvil chorus," "Il Trovatore" (Verdi).
The Troubadours.

Piano solo:
Miss Elsie Yorston.

Sea Chantey:
"Away to Rio" (Bartholomew).
The Troubadours.

Tenor solo:
Mr. Arthur Smith.

Fox trot and chorus:
Selected.
The Troubadours Instrumental Quartette.

Humorous items:
Mr. Edgar Kenyon.

Finale.
"How Can I Bear to Leave Thee" (Kinkel)
The Troubadours.

10 p.m.—"They Dail Mail" news. Weather news.
Close down.

5CL, ADELAIDE

THURSDAY, 26th APRIL, 1928.

MIDDAY SESSION.
12 noon. to 2 p.m.

AFTERNOON SESSION.

3 p.m.—G.P.O. Chimes.
3.1 p.m.—Musical numbers on the studio "Recreator."
3.45 p.m.—Cheer-up talk by Rev. C. H. Neild.
4 p.m.—G.P.O. Chimes.
4.1 p.m.—Musical numbers on the Studio "Recreator."
4.57 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.
5 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

6 p.m.—G.P.O. Chimes.
6.1 p.m.—Children's Entertainment with the 5CL Radio Family.
6.30 p.m.—Dinner Music on the Studio "Recreator."
7 p.m.—G.P.O. Chimes.
7.1 p.m.—General Market reports by A. W. Sandford and Co. A. E. Hall and Co. Dalgety and Co., S.A. Farmers Co-operative Union, Taylor Bros., Retail Grocers Assosiation, Interstate Fruit and Produce Market Co., Ltd.
7.10 p.m.—S. C. Ward and Co.'s Stock Exchange Intelligence.
7.15 p.m.—"Windbag's" Sporting Service.
7.30 p.m.—Talk "Better Homes" arranged by Slaters (Furnishers) Ltd.
7.40 p.m.—A. M. Whittenbury will talk on "Poultry."
8 p.m.—G.P.O. Chimes.
8.1 p.m.—Novelty Broadcast.
8.20 p.m.—Magill Vice-reagal Band:
Quickstep, "The thin, red Line."
8.25 p.m.—Grace Cussion, soprano:
"Stolen Fruits" (Nutting).
"Mimi's Song" from "La Boheme" (Puccini).
8.32 p.m.—Magill Vice-regal Band:
"Stradella Overture."
8.39 p.m.—Marjorie and Norman Shephard, in a bright comedy sketch.
8.50 p.m.—Magill Vice-regal Band:
Morceau, "Bells across the meadows."
9 p.m.—G.P.O. Chimes.
9.1 p.m.—Meteorological information, weather forecast, Dalgety's report.
9.2 p.m.—International News.
9.20 p.m.—Relayed from St. Bartholomew's Church, Grand Organ recital.
9.50 p.m.—Neta Roidel, contralto:
"Elizabeth's Prayer" from "Tannhauser" (Wagner).
"O, Don Fatale" from "Don Carlo" (Puccini).
9.57 p.m.—Clem Emery, cornet:
"The Besses of the Barn Polka."
10 p.m.—G.P.O. Chimes.
10.1 p.m.—"Advertiser" News Service and interstate and local sporting results.
10.11 p.m.—"Windbag's Sporting Service.
10.17 p.m.—Magill Vice-regal Band:
"The Old Belfry,"
Selection, "The Gondoliers."
10.35 p.m.—Meta Reidel, contralto:
"Kildoran" (Ketelby).
10.38 p.m.—Magill Vice-regal Band, descriptive
"The Smithy in the Woods."
Quickstep, "Through Bolts and Bars"
10.52 p.m.—Magill Vice-regal Band:
Fox trot, "My Blue Heaven" (Donaldson).
10.55 p.m.—Station Announcements, weather forecast, and to-morrow's programme.
11 p.m.—G.P.O. Chimes and National Anthem.

Friday, April 27

2FC, SYDNEY.

EARLY MORNING SESSION.
7 a.m. to 8 a.m.

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.—A Reading.
10.45 a.m.—Studio music
11 a.m.—"Big Ben." Studio music.
11.5 a.m.—A.P.A and Reuter's Cable Services.
11.10 a.m.—Studio music.
11.15 a.m.—A Talk on Home Cooking and Recipes by Miss Ruth Furst.
11.30 a.m.—Close down.

MIDDAY SESSION.

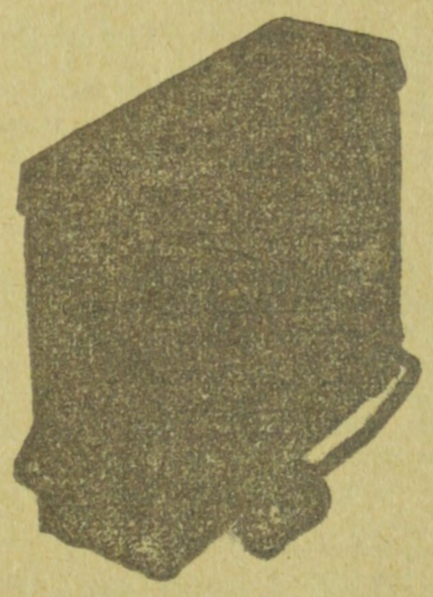
12 noon.—"Big Ben" and announcements.
12.2 p.m.—Stock Exchange, first call.

Think of It!

Here is your opportunity to do away with "B" Battery nuisance. No more replacements or recharging. Acme Socket Power will run any set perfectly from your electric lighting.

ACME
Socket Power
Eliminates 'B' Batteries

Giving up to 180 volts of smooth, DIRECT current free of any hum.



All High-Class Dealers.
Easy Buying Terms.

NEW SYSTEM TELEPHONES PTY. LTD.,
280 Castlereagh St., Sydney
181-3 King Street, Melbourne
Charles Street, Adelaide

12.3 p.m.—Official weather forecast, rainfall.
12.5 p.m.—Studio music.
12.10 p.m.—Summary of "Sydney Morning Herald" news service.
12.15 p.m.—Rugby wireless news.
12.20 p.m.—Studio music.
1 p.m.—"Big Ben." Weather intelligence.
1.3 p.m.—"Evening News" midday news service.
Producers' Distributing Society's Report.
1.20 p.m.—Studio music.
1.28 p.m.—Stock Exchange, second call.
1.30 p.m.—Studio music.
1.35 p.m.—Miss Lorraine Jarman, soprano.
1.40 p.m.—Studio music.
1.55 p.m.—Lorraine Jarman, soprano.
2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.
3.3 p.m.—Popular records.
3.16 p.m.—Ian Iredale, tenor.
3.20 p.m.—Pianoforte solo by Pupil of Mr. Lindley Evans.
3.30 p.m.—Miss Persia Rutter, soprano.
3.35 p.m.—Madame Evelyne Greig will commence a series of talks on "The Art of Listening to Music":
No. 1, "The Song and the Singer."
3.50 p.m.—From the Ambassadors:
The Ambassadors Dance Orchestra.
Conductor, Mr. Al. Hammett.
4 p.m.—"Big Ben."
Ian Iredale, tenor.
4.5 p.m.—Pianoforte solo by Pupil of Mr. Lindley Evans.
4.15 p.m.—Persia Rutter, soprano:
4.20 p.m.—From the Ambassadors:
The Ambassadors Dance Band.
Conducted by Mr. A. Hammett.
4.35 p.m.—Thelma Lansdowne, mezzo.
4.40 p.m.—Studio music.
4.45 p.m.—Stock Exchange, third call.
4.47 p.m.—Thelma Lansdowne, mezzo.
4.50 p.m.—The Ambassadors Dance Band.
Conductor, Mr. Al. Hammett.
5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.40 p.m.—The chimes of 2FC.
5.45 p.m.—The "Hello Man" talks to the children.
6.15 p.m.—A Programme by the Juvenile Pupils of Madame Ada Baker.
6.30 p.m.—Dinner Music.
7 p.m.—"Big Ben."
The 2FC Racing Commissioner will give the latest Sporting news.
7.10 p.m.—Dalgety's Market Reports (wool, wheat, stock).
7.18 p.m.—Fruit and vegetable markets.
7.22 p.m.—Weather and shipping intelligence.
7.26 p.m.—Late "Evening News" news service.

NIGHT SESSION.

7.40 p.m.—Programme announcements.
7.45 p.m.—W. F. Kay will continue his series of Theatrical talks:
No. 3. J. C. Williamson, Ltd.
8 p.m.—"Big Ben."
From Her Majesty's Theatre, Sydney (by permission of J. C. Williamson, Ltd.):
The First Act of the Musical Play

"ROSE MARIE,"

featuring Harriet Bennet and Frederick Bentley.
Act One:
Introduction.
Song, "Hard-boiled Herman," Frederick Bentley and Chorus.
Song, "Rose Marie," Reginald Dandy and James Hughes.
Song, "The Mounties," James Hughes and Chorus.
Song, "Lak Jeem," Harriet Bennet and Chorus.
Duet, "Indian Love Call," Harriet Bennet and Reg. Dandy.
Song, "Pretty Things," Harriet Bennet and Chorus.
Ballet Eccentric, Frederick Bentley and Chorus.
Duet, "Why Shouldn't We," Yvonne Banvard and Frederick Bentley.
Song, "Totem Tom Tom," Stephanie Deste and Chorus.
9.40 p.m.—From the Studio:
Henri Penn, pianist.
9.50 p.m.—David Craven, baritone:
(a) "Hear Me! ye Winds and Waves" (Handel).
(b) "The Diver" (McMillan).
9.58 p.m.—Suzanne Ennis, contralto.
10.5 p.m.—Rev. F. H. Raward:
Talk, "Let's Go Round the World."
10.20 p.m.—Henri Penn, pianist.
10.30 p.m.—Late weather forecast.
10.31 p.m.—Suzanne Ennis, contralto.
10.38 p.m.—David Craven, baritone.
10.46 p.m.—Ambassadors Dance Orchestra.
10.57 p.m.—To-morrow's Programme and late news.
11 p.m. approx.—"Big Ben."
From Her Majesty's Theatre, Sydney:
The Speeches by Principals of the "Rose Marie" Company on the occasion of their farewell appearance in Sydney.
Note: At the conclusion of this play (approx. 11 p.m.) the farewell speeches by Principals of the "Rose Marie" Company will be broadcast.
11.10 p.m.—From the Ambassadors:
The Ambassadors Dance Orchestra.
Conducted by Al. Hammet.
11.45 p.m.—National Anthem.
Close down.

3LO, MELBOURNE

FRIDAY, 27th APRIL, 1928.

EARLY MORNING SESSION.
7.15 a.m. to 8.15 a.m.

MORNING SESSION.

11.0 a.m.—3LO's CULINARY COUNSELS, or how to create creature comforts with a minimum of cash.

LONDON BUNS.

½lb. flour.
1 teaspoon baking powder.
2oz. butter.
2oz. sugar.
1 egg.
½ gill milk.
A little candied peel.
2oz. sultanas.
Grated lemon rind.

METHOD.—(1) Attend to oven and grease oven shelf. (2) Sift flour and baking powder. (3) Rub in butter till it looks like crumbs. (4) Add sugar, grated lemon rind and cleaned sultanas. (5) Beat egg and add milk—keep a little aside to glaze. (6) Pour this into dry ingredients and mix into a dough. (7) Turn on to floured board and cut into 12 pieces. (8) Knead into rounds; glaze top with egg and put strips of lemon peel on top and any sugar from the candied peel. (9) Place on oven shelf and bake in moderate oven 15 minutes. (10) Put on sieve to cool.

THE GLORY OF THE GARDEN:

"A garden from the beginning of time, and with all peoples, has been a refreshment to the spirit and a repose to the flesh; a delight in the spring of life and of the year: a refuge in the autumn from the winds that sweep over us; a spot full of hope and peace, where nothing dies that may not be born again."

—C. Hamilton Aide.

DO YOU REALISE THE CHARM OF WINDOW BOXES—Keep your windows ablaze with the twinkling blue of the little lobelia.

11.5 a.m.—VEGETARIAN COOKING.

MATRON BARTLETT will give you hints on the preparation of vegetarian dishes.
11.20 a.m.—Musical Interlude.
11.25 a.m.—"AU FAIT":
"Fashion's Fancies."
11.40 a.m.—Musical Interlude.
11.45 a.m.—A Talk under the auspices of the Health Department.

MIDDAY SESSION.

12.0 noon.—Melbourne Observatory Time Signal.
12.1 p.m.—Metal Prices received by the Australian Mines and Metals Association from the London Stock Exchange this day; Reuter's and the Australian Press Association Cables; British Official Wireless News from Rugby; "Argus" News Service.

NOONTIDE MELODIES.

12.20 p.m.—THE GYPSY PLAYERS:
"Indian Summer" (Lake).
12.30 p.m.—MOLLY MACKAY, Soprano:
"Happy Song" (Del Riego).
"By the Waters of Minnetonka" (Lieurance)
12.37 p.m.—Stock Exchange Information.
12.40 p.m.—THE GYPSY PLAYERS:
"Hawaiian Selection" (Lake).
12.50 p.m.—DOROTHY ROXBURGH, Viola:
Selected.
12.57 p.m.—EDWARD HOCKING, Tenor:
"Serenade" (Schubert).
"Trees" (Rasbach).
1.4 p.m.—THE GYPSY PLAYERS:
"Among the Roses" (Lake).
"Rubeville Suite" (Lake).
1.14 p.m.—Meteorological Information; Weather Forecast and Rainfall for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Reports Stock Exchange Information.
1.20 p.m.—MOLLY MACKAY, Soprano:
"The Kerry Dance" (Molloy).
"Castles in the Air" (Scottish Song).
1.27 p.m.—THE GYPSY PLAYERS:
"The Town Clown" (Lake).
1.37 p.m.—EDWARD HOCKING, Tenor:
"Ah! Moon of My Delight" (Lehmann).
"Songtime and Dawning" (Bayton Power).
1.45 p.m.—Close Down.
2.0 p.m.—Description of First Hurdle Race, about 2 miles 62 yards, from WAGGA RACES, by Eric Welch.
2.5 p.m.—Close Down.

AFTERNOON SESSION.

2.15 p.m.—THE STATION ORCHESTRA:
"Nautical Selection" (Binding).
2.25 p.m.—OLIVER PEACOCK, Baritone:
"Lighterman Tom" (Squire).
"Rose of the Volga" (Kahn).
2.32 p.m.—Announcements.
2.35 p.m.—Description of the Maiden Plate, WAGGA RACES, by Eric Welch.
2.40 p.m.—THE STATION ORCHESTRA:
"All Aboard" (Fletcher).
"A Sentimental Shanty" (Fletcher).
"Forecastle Frolics" (Fletcher).
2.50 p.m.—FRANK AND FRANCIS LUIZ:
Song, "Tell Me, Little Gipsy."
Duet, "Moonlight Hawaiian Blues."
Steel Guitar, "Isles of Paradise."
Duet, "Drifting and Dreaming."
3.3 p.m.—THE STATION ORCHESTRA:
Selection, "Hawaiian Melodies,"
"Selected."

ON TERRA FIRMA AGAIN.

3.15 p.m.—Description of Wagga Gold Cup. WAGGA RACES, by Eric Welch.
3.20 p.m.—FRANCES FRASER:
"Travels with Dante, Real and Imaginary."
3.35 p.m.—THE STATION ORCHESTRA:
Selection, "Little Nelly Kelly."
3.45 p.m.—RUPERT HAZELL AND ELSIE DAY:
"Harmonylarity."
3.50 p.m.—Description of Chairman's Handicap, 6 furlongs, WAGGA RACES, by Eric Welch.
3.55 p.m.—RUPERT HAZELL AND ELSIE DAY think there are sure to be a few unhappy ones after that last race, and have returned especially to beseech you to be happy.
4.5 p.m.—CHARLES TAYLOR, Violin:
Selected.
4.12 p.m.—JULIA RUSSELL, Soprano:
"Sylvellin" (Sinding).
"Yellow Slippers."

.19 p.m.—THE STATION ORCHESTRA:
"Three O'clock in the Morning."
"Selected."

1.25 p.m.—Description of Wagga Sires' Produce Stakes, 5 furlongs, WAGGA RACES, by Eric Welch.

1.30 p.m.—INTERLUDE.
COLONEL POTTINGER: Asiatic Problems Affecting Australia.
White Australia Policy.

1.45 p.m.—Special Weather Reports.

4.46 p.m.—JULIA RUSSELL, Soprano:
"I Know a Lovely Garden" (Guy D'Hardelot).
"Rumanian Night Song."

4.53 p.m.—OLIVER PEACOCK, Baritone:
"Fallen Leaf" (Logan).
"Colinette" (Coningsby Clarke).

5.0 p.m.—Description of Highweight Handicap, 7 furlongs, WAGGA RACES, by Eric Welch.

5.5 p.m.—"Herald" News Service; Stock Exchange Information. (

5.20 p.m.—Close Down.
Results of Ballarat Miners' Turf Club Races will be given hourly.

EVENING SESSION.

6.0 p.m.—Answers to Letters and Birthday Greetings by "Billy Bunny."

6.20 p.m.—CAPT. DONALD MACLEAN:
The Spanish Conquests of America.
How the Dons discovered the Treasures of the World.

6.35 p.m.—Musical Interlude.

6.40 p.m.—"BILLY BUNNP:"
More Stories of the Australian Bush.

NEWS AND MARKET REPORTS.

7.0 p.m.—Official Report of Newmarket Stock Sales by the Associated Stock and Station Agents, Bourke Street, Melbourne.

7.5 p.m.—"Herald" News Service; Weather Synopsis; Shipping Movements.

7.21 p.m.—Market Reports by the Victorian Producers' Co-operative Co., Ltd.; Poultry, Grain, Hay, Straw, Jute, Dairy Produce, Potatoes and Onions; Market Reports of Fruit by the Victorian Fruiteres' Association; Retail Prices; Wholesale Prices of Fruit by the Wholesale Fruiterers' Association; Citrus Fruit.

NIGHT SESSION.

7.30 p.m.—Under the auspices of the Department of Agriculture, J. BRAKE, Senior Inspector of Agriculture, will speak on "Wheat Cultivation in the Older Mallee."

AERIALS, WAVELENGTHS AND ATMOSPHERICS.

7.45 p.m.—COLLINGWOOD CITIZENS' BAND:
Intermezzo, "Sunset."

7.55 p.m.—GORDON JAMES, Baritone:
"Drake's Drum" (Henry Newbolt).
"Yesteryear" (Bainbridge Crest).

8.2 p.m.—H. K. LOVE:
Technicalities.
Mr. Love will be glad to attend to your wireless difficulties, and we ask you to write to him for any information you may require.

8.12 p.m.—COLLINGWOOD CITIZENS' BAND:
Flugel Solo, "At Dawn."

8.19 p.m.—MOLLY MACKAY, Soprano:
"The Wind Song" (James Rodgers).
"Bells" (Hurlstone).
"Darkness" (Hurlstone).

8.26 p.m.—A Talk on the Aerial Derby, by Captain Keith Gardiner.

8.36 p.m.—COLLINGWOOD CITIZENS' BAND:
"Over the Waves."

8.43 p.m.—GORDON JAMES, Baritone:
"The Two Grenadiers" (Schumann).
"The Sentinel" (Herbert Oliver).

ORGAN RECITAL.

8.50 p.m.—C. E. MONTEATH, organ transmitttd from St. Peter's Church, Melbourne:
"A Solemn Festival" (Rheinberger).
"La Carita" (Rossini).
"Prelude in B Minor" (Chopin).
"Fantasie in E Flat" (Saint-Saens).

FROM THE STUDIO.
EASTERN ECHOES.

9.10 p.m.—THE GYPSY PLAYERS:
Suite, "Antony and Cleopatra" (Gruenwald)

9.20 p.m.—ERNEST SAGE, Baritone:
"How Many a Lonely Caravan" (Aylward)
"Allah Be With Us" (Aylward).

9.27 p.m.—AGNES FORTUNE, Piano:
"To the Spring" (Grieg).
Selected.

9.37 p.m.—MOLLY MACKAY, Soprano:
"The Rose Enslaves the Nightingale" (Rimsky-Korsakof).
"Chanson Indoue" (Korsakof).

9.44 p.m.—THE GYPSY PLAYERS:
"Dance of the Desert Girl" (Hadley).

9.54 p.m.—ERNEST SAGE, Baritone:
"The Garden of Allah" (Charles Marshall).
"Far Across the Desert Sands" (Aylward).

10.1 p.m.—THE GYPSY PLAYERS:
"Chinese Dance" (Crist).
INTERLUDE.

10.10 p.m.—ERIC WELCH will speak on:
"To-morrow's Races."

MIXOLOGY.

10.20 p.m.—COLLINGWOOD CITIZENS' BAND:
"Moonlight and Roses."

10.30 p.m.—RUPERT HAZELL AND ELSIE DAY:
"Harmonylarity."

INTERLUDE.

10.42 p.m.—"Argus" News Service; Meteorological Information; British Official Wireless News from Rugby; Road Notes, supplied by the Royal Automobile Club of Victoria; Announcements.

The Royal Automobile Club of Victoria's SAFETY MESSAGE for to-day is:
"Cutting in" is one of the greatest dangers on the road. It is generally due to unnecessary and selfish haste, which is proof of bad manners and poor driving, and is discountenanced by every careful driver.

10.54 p.m.—OLIVER PEACOCK, Baritone:
"Tally-Ho" (Leoni).
"Rounded Up in Glory" (Fox).

11.0 p.m.—OUR GREAT THOUGHT:
"A strong life is lik ethat of a ship of war, which has its own place in the fleet, and can share in its strength and discipline, but can also go forth alone, in the solitude of the infinite sea. We ought to belong to society, to have our place in it, and yet be capable of a complete individual existence outside of it."
—Hamerton.

THE SHRINE OF REMEMBRANCE:
"No easy hopes or lies
Shall bring us to our goal,
But iron sacrifice
Of body, will, and soul.
There is but one task for all—
For each one life to give.
Who stands if freedom fall?
Who dies if England live?"
—Rudyard Kipling.

Have you sent your contribution yet to the WAR MEMORIAL?

DANCE MUSIC.

11.1 p.m.—THE VAGABONDS:
"Put Your Arms Where They Belong" (Davis).
"Keep a Little Sunshine in Your Heart" (Von Tilger).
"Chloe" (Moret).
"Dance of the Tinker Toys" (Schobel).
"Me and My Shadow" (Jolson).
"A Night in June" (Friend).
"Slow River" (Myers).
"How Long Must I Wait for You?" (Stillwell).
"Wondering Why" (Halle).
"Night Time is Love Time" (Davis).
"Golden Memories of Hawaii" (Stevens).
"Fifty Million Frenchmen" (Rose).
"My Regular Girl" (Warren).

11.40 p.m.—GOD SAVE THE KING.

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2-Valve Supertone Receiver	£8/8/9
2-Valve Crossley Receiver	£8/6/9

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Saturday, April 28

2FC, SYDNEY.

EARLY MORNING SESSION.

7 a.m. to 8 a.m.

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.—A talk on Racing by the 2FC Racing Commissioner.

10.45 a.m.—Studio music.

11 a.m.—"Big Ben."
A.P.A. and Reuter's Cable Services.

11.5 a.m.—A Talk on Gardening by Mr. G. J. Lockley ("Redgum").

11.30 a.m.—Close down.

MIDDAY SESSION.

12 noon.—"Big Ben" and announcements.

12.2 p.m.—Stock Exchange, first call.

12.3 p.m.—Studio music.

12.20 p.m.—"Sydney Morning Herald" news service.

12.25 p.m.—Rugby wireless news.

12.30 p.m.—Studio music.

12.45 p.m.—The Smart Set Instrumental Trio. Leader, Molly Gant:

(a) "When Day is Done" (Katscher).
(b) "Just a Little Lady" (Crocker).
(c) "Spring Song" (Mendelssohn).

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

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

1.18 p.m.—The Smart Set Instrumental Trio. Leader, Molly Gant:

(a) "On Wings of Song" (Mendelssohn).
(b) "A Garden is a Lovesome Thing" (del Reigo).
(c) "I Travel the Road" (Thayer).

1.28 p.m.—Dorothy Dewar, soubrette:

1.36 p.m.—The Smart Set Instrumental Trio. Leader, Molly Gant:
(a) "Where is My Meyer" (Profes).
(b) "Julius" (Conrad).
(c) "Sweet, Wonderful You" (Bushway).

1.46 p.m.—Dorothy Dewar, soubrette.

1.53 p.m.—The Smart Set Instrumental Trio. Leader, Molly Gant:
(a) "Ciribirilum" (Petalozza).
(b) "Kiss and Make Up" (Bogate).

2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

3 p.m.—"Big Ben" and announcements.

3.3 p.m.—From the Sydney Sports Ground: Description of the Football Match, Waratahs versus The Rest of N.S.W.

3.50 p.m.—From the Studio:
Jack Wright, novelty pianist.

4.5 p.m.—From the Sydney Sports Ground, continuation of the Football Match, Waratahs versus The Rest of N.S.W.

4.45 p.m.—From the Studio:
Sporting Resume and Studio Music.

5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.40 p.m.—The chimes of 2FC.

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

6.15 p.m.—Story time for the young folk.

6.30 p.m.—Dinner music.

7 p.m.—"Big Ben." Late sporting news.

7.15 p.m.—Weather intelligence.

7.18 p.m.—"Evening News" late news service.

7.28 p.m.—Studio music.

NIGHT SESSION.

7.30 p.m.—Announcing a Special Dance Night programme.
By arrangement with the Hospital Saturday Fund, 2FC will give a continuous programme of dance music from 9 p.m. to 11.45 p.m., and it is the wish of the Hospital Saturday Fund that Radio Set Owners should organize Dance Parties in their homes on this evening and remit the proceeds to this Fund.

7.35 p.m.—Studio music.

7.40 p.m.—Ernest Archer.

7.52 p.m.—Gwladys Fimister, soprano.

8 p.m.—"Big Ben."
From the Capitol Theatre:
The Capitol Symphony Orchestra.
Fred Scholl at the Wurlitzer Organ.
Ted Henkel and his Stage Band.
Vocal Quartette.

8.45 p.m.—From the Studio:
2FC Dance Band, conducted by Cec Morrison.

8.56 p.m.—Gwladys Fimister, soprano.

9 p.m.—"Big Ben." Late weather forecast.

9.1 p.m.—The 2FC Dance Band, conducted by Cec Morrison.

9.10 p.m.—Ubaldo Russo, baritone, and Linda Bradford, soprano:
Duet.

9.14 p.m.—2FC Dance Band.

9.24 p.m.—Ernest Archer, tenor.

9.27 p.m.—2FC Dance Band, conducted by Cec Morrison.

9.37 p.m.—Linda Bradford, soprano.

9.40 p.m.—2FC Dance Band.

9.50 p.m.—Charles O'Mara, entertainer.

9.54 p.m.—2FC Dance Band, conducted by Cec Morrison.

10.4 p.m.—Ubaldo Russo, baritone.

10.8 p.m.—2FC Dance Band.

10.18 p.m.—Ubaldo Russo and Linda Bradford, soprano:
Duet.

10.22 p.m.—2FC Dance Band, conducted by Cec Morrison.

10.30 p.m.—Late weather forecast.

10.31 p.m.—Charles O'Mara, entertainer.

10.35 p.m.—2FC Dance Band.

10.42 p.m.—Charles O'Mara, entertainer.

10.46 p.m.—2FC Dance Band, conducted by Cec Morrison.

10.54 p.m.—Charles O'Mara, entertainer.

10.58 p.m.—Late news.

11 p.m.—"Big Ben."
2FC Dance Band.

11.45 p.m.—National Anthem.
Close down.

3LO, MELBOURNE

SATURDAY, 28th APRIL, 1928.

EARLY MORNING SESSION.

7.15 a.m. to 8.15 a.m.

MORNING SESSION.

11 a.m.—THE STATION ORCHESTRA:
"Finlandia" (Sibelius).
Selected.

11.10 a.m.—FRANK AND FRANCIS LUIZ:
Duet, "Honeymoon Isles."
Steel Guitar, "Hawaiian Hotel."
Duet, "On the Beach at Waikiki."
Solo, "Hawaii Across the Sea."

11.22 a.m.—THE STATION ORCHESTRA:
Suite, "From Bohemia" (Hume).

11.32 a.m.—OLIVER PEACOCK, baritone:
"The Irish Immigrant" (Moore).
"Journey's End" (Russell).

11.40 a.m.—THE STATION ORCHESTRA:
"Dance of the Egyptian Maidens" (Shelley).

11.50 a.m.—MOLLY MACKAY, soprano:
"I've Been Roaming" (by request), (Old English).
"By the Waters of Minnetonka" (Lieurance).

11.57 a.m.—Announcements.

MIDDAY SESSION.

12 noon.—Melbourne Observatory time signal.

12.1 p.m.—Metal prices received by the Australian Mines and Metals' Association from the London Stock Exchange this day. British official wireless news from Rugby. Reuter's and the Australian Press Association cables. "Argus" news service.

12.20 p.m.—THE GYPSY PLAYERS:
"By Desert Ways" (Loughborough).

12.30 p.m.—BERTHA JORGENSEN, violin:
"Negro Love Song" (Coleridge-Taylor).

12.40 p.m.—Stock Exchange information.

12.43 p.m.—MOLLY MACKAY, soprano:
"Boat Song" (Harriet Ware).
"The Silver Ring" (Chaminade).

12.50 p.m.—THE GYPSY PLAYERS:
"On the Nile" (Hilsa).

1 p.m.—Melbourne Observatory time signal.
The Royal Automobile Club of Victoria's SAFETY MESSAGE for to-day is: Road sense demands imagination, courtesy and commonsense, a spirit of "Give and Take and True Sportsmanship."

1.1 p.m.—OLIVER PEACOCK, baritone:
"Hills of Home" (Fox).
"She is Far from the Land" (Lambert).

1.8 p.m.—Meteorological information. Weather report and rainfall for Victoria, Tasmania, South Australia, and New South Wales. Ocean forecast. River reports.

1.15 p.m.—THE STATION ORCHESTRA:
"Spanish Moon."
Selected.

1.30 p.m.—Description of Khartoum Hurdle, V.A.T.C. RACES CAULFIELD, by Eric Welch.

1.35 p.m.—RUPERT HAZELL AND ELSIE DAY are right back from Over the Hills and Far Away. They have been here listening to the Station Orchestra broadcasting "Spanish Moon," and will now give you their description of:
"Har-moon-y-larity."

1.48 p.m.—Description of BASEBALL match, Carlton v. Richmond, by Percy Steel.

AFTERNOON SESSION.

2.15 p.m.—HARRY SHUGG'S BAND:
Selection, "Fox Trots."

2.30 p.m.—Description of Katandra Race, 2 years old, 7 furlongs, V.A.T.C. RACES, at CAULFIELD, by Eric Welch.

2.35 p.m.—Description of BASEBALL match, Carlton v. Richmond, by Percy Steel.

2.40 p.m.—HARRY SHUGG'S BAND:
Selection, "Waltzes."

2.50 p.m.—Description of LEAGUE FOOTBALL MATCH, Carlton v. Richmond, at Carlton, by Rod McGregor.

3.5 p.m.—Description of Glenhuntly Handicap, 1 miles 3 furlongs, V.A.T.C. RACES, CAULFIELD, by Eric Welch.

3.10 p.m.—HARRY SHUGG'S BAND:
Selection, "Marches."

3.15 p.m.—Description of LEAGUE FOOTBALL MATCH, Carlton v. Richmond, at Carlton, by Rod McGregor.

3.30 p.m.—HARRY SHUGG'S BAND:
Selection, "Comic Opera."

3.40 p.m.—Description of Herrin Steeple, 2 miles 3 furlongs, V.A.T.C. RACES, CAULFIELD, by Eric Welch.

3.45 p.m.—Results of LEAGUE and ASSOCIATION FOOTBALL, ¼-time.

3.46 p.m.—Description of LEAGUE FOOTBALL MATCH, Carlton v. Richmond, at Carlton, by Rod McGregor.

4 p.m.—Description of Aerial Derby at Essendon, by Capt. Keith Gardiner.

4.15 p.m.—Description of Glenferrie Handicap, 1 mile, V.A.T.C., CAULFIELD, by Eric Welch.

4.20 p.m.—Results of LEAGUE AND ASSOCIATION FOOTBALL.

4.21 p.m.—HARRY SHUGG'S BAND:
Selection, "Irish Airs."

4.35 p.m.—Description of LEAGUE FOOTBALL MATCH, Carlton v. Richmond, at Carlton, by Rod. McGregor.

4.50 p.m.—Description of Brighton Handicap, 6 furlongs, V.A.T.C., CAULFIELD, by Eric Welch.

4.55 p.m.—HARRY SHUGG'S BAND:
Request Item.

5 p.m.—Results of LEAGUE AND ASSOCIATION FOOTBALL MATCH.

5.1 p.m.—"Herald" news service. Stock Exchange information. Late Sporting.

5.13 p.m.—Description of LEAGUE FOOTBALL, Carlton v. Richmond, at Carlton, by Rod McGregor.

5.30 p.m.—Close down.

5.50 p.m.—Final scores of LEAGUE AND ASSOCIATION FOOTBALL.
During the afternoon resutls of NATIONAL FOOTBALL LEAGUE MATCH at Hobart and of WAGGA RACES will be given hourly.

EVENING SESSION.

6 p.m.—Answers to letters and birthday greetings, "LITTLE MISS KOOKABURRA."

6.20 p.m.—DICKSON GREGORY.
Celebrated auxiliary ship, "The Great Britain."

6.35 p.m.—Musical interlude.

6.40 p.m.—"LITTLE MISS KOOKABURRA," Listen and hear.
"What Tommy did on the Farm," and the next instalment of "Pickles and Prowl."
News and Market Reports.

7 p.m.—Sporting results.

7.5 p.m.—"Herald" news service. Weather synopsis. Shipping movements.

7.12 p.m.—Stock Exchange information.

7.17 p.m.—River reports.

7.20 p.m.—Market reports by the Victorian Producers' Co-operative Co. Ltd. Poultry, grain, hay, straw, jute, dairy produce, potatoes and onions. Market reports of fruit by the Wholesale Fruiterers' Association—retail prices. Wholesale prices of fruit by the Wholesale Fruit Merchants' Association. Citrus fruits.

NIGHT SESSION.

7.30 p.m.—FREDERICK CHAPMAN, A.L.S., F.G.S., Palaeontologist of the National Museum, wil speak on:
"Whales."

7.45 p.m.—J. A. LEACH will speak on "Rosellas."

8 p.m.—COLONEL POTTINGER:
"Asiatic problems Affecting Australia—Summary and Conclusions."

8.15 p.m.—Birthday greetings and programme announcements.
A HOUR WITH THE HEROES.
"But to the hero, when his sword
Has won the battle for the free.
Thy voice sounds like a prophet's word
And in its hollow tones are heard
The thanks of millions yet to be."
—Fitzz—Greene Halleck.

8.16 p.m.—PRAHRAN CITY BAND:
March, "Heroes All" (Bidgood).
Chorus, "Comrades in Arms" (Adam).

8.26 p.m.—FRANK and FRANCIS LUIZ:
Duet, "Calm Hawaiian Seas."
"Ukulele, "Uukulele Solo Medley."
Song, "Pua Mohala."
Duet, "Since Ukulele Lady had a Ukulele Baby."

8.38 p.m.—PRAHRAN CITY BAND:
"Hustling Hinkler" (Baer).
March, "Wellington" (Zehle).

8.46 p.m.—OLIVER PEACOCK, baritone:
"The Drum Major" (Newton).
"Rounded up in Glory" (Fox).

8.53 p.m.—PRAHRAN CITY BAND:
"Fantasia, "In Honor of the Brave." (Greenwood).

9.3 p.m.—RUPERT HAZELL and ELSIE DAY:
"Harmonylarity."

9.18 p.m.—THE STATION ORCHESTRA:
"Intermezzo" (Caludi).

9.22 p.m.—MOLLY MACKAY, soprano:
"May Morning."
"Bird Song at Eventide" (Coates).

FROM THE STADIUM.

9.30 p.m.—Description of to-night's Stadium event by Eric Welch.

FROM THE STUDIO.

10 p.m.—PRAHRAN CITY BAND:
Overture. "Napoleon" (Billon).

10.8 p.m.—OLIVER PEACOCK, baritone:
"Give a Man a Horse He Can Ride" (Liddle).
"Journey's End" (Russell).

10.15 p.m.—WILL PAGE, Xylophone solo:
"Sparks."

10.19 p.m.—THE STATION ORCHESTRA:
"Three O'clock in the Morning" (Roblede).
"Two Lips" (duet for two trumpets).
Percy Code and Ken Hallam.
Selected.

10.27 p.m.—MOLLY MACKAY, soprano:
"He of All True Men the Noblest" (Schumann).
"When at Morn" (Schumann).

10.34 p.m.—PRAHRAN CITY BAND:
March: "Viscount Nelson."

LATE SPORTING.

10.40 p.m.—Late sporting results. Results of Brighton by-election.
Result of Ladies' Four Rowing Championship of Australia, held in Sydney.

The Royal Automobile Club of Victoria's SAFETY MESSAGE for to-day is for MOTORISTS.

"Always carry your driving license, and be sure it is current."

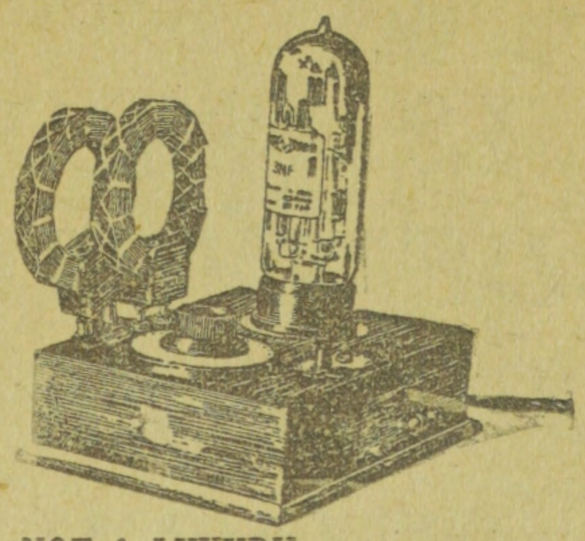
10.52 p.m.—THE PRAHHRAN CITY BAND:
Selected.

11 p.m.—OUR GREAT THOUGHT:
"Heroes are not known by the loftiness of their carriage, as the greatest braggards are generally the merest cowards."
—Rousseau.

DANCE MUSIC.

11.1 p.m.—THE VAGABONDS:

11.40 p.m.—GOD SAVE THE KING.



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The Evolution of the Light Socket Aerial

THE light socket aerial is one of those devices that have come into such extensive use that we begin to look upon them as natural developments which "just happen." Nevertheless, the light socket aerial is an invention, and its father is none other than William Dubilier, well-known condenser designer, engineer and manufacturer.

It appears that the idea for the light socket aerial occurred to Mr. Dubilier several years ago, at the time when a company was formed in New York City to broadcast programmes over the usual electric light wires. When Mr. Dubilier read the announcements in the newspapers, he immediately realised that here was a potential source of trouble. He foresaw the possibility of persons with radio sets attempting to plug into the electric light socket in quest of the wired wireless programmes. Using an ordinary attachment plug, of course, would be a dangerous thing, for the full force of the line, in addition to the delicate radio-frequency energy of the radio signals, would flow through the set which might well go up in smoke under the circumstances.

And so William Dubilier and his staff immediately got on the job for the purpose of evolving a socket plug that would be safe for the purpose of receiving radio programmes over wires. Mica condensers were employed in blocking the usual alternating current or direct current, while permitting the easy passage of the radio-frequency energy. Many different capacities were tried, as well as many different combinations.

Early in these experiments Mr. Dubilier encountered considerable difficulty in the matter of varying conditions as regards electric light circuits and installations. What worked well in one location failed utterly in another. For this reason it was found necessary to employ two condensers, one small and the other large. Even so, the arrangement did not always perform satisfactorily even with the choice of condensers. It seems that in some instances the grounded side of the electric light system was the one plugged in on, while the ungrounded side was the one really desired. So the plug proper was made separable from the condenser block, in order that connections might be made to either side of the electric light line, or to both sides. In the final model, which was called the Ducon and which, in improved form, is now so popular, there was provided a wide range of combinations so as to meet at least 90 out of every 100 applications.

At the time the Ducon was first introduced, the Fire Departments and the Fire Underwriters were frowning on the usual antenna installation, because of the lightning hazard, as well as the danger of accidental contact with high-tension wires, particularly in the suburbs. The light socket aerial, with its ample insulation between electric light line and receiving set, has offered the necessary degree of protection and has been accepted as a safe means of intercepting radio signals.

The first test of the light socket aerial took place at the old Dubilier plant on Centre-street, in New York City. The signals from the old WJZ station in Newark were soon intercepted. Later, Mr. Dubilier made tests in various cities and also in England and Germany, to reassure himself that this device was a practical one under many and varied conditions.

To-day, with multi-tube receivers of super-sensitive type yet without the delicate operation formerly involved by regeneration, together with powerful broadcasting stations, the light socket aerial is more popular than ever. Whereas some trouble was experienced with the unstable regenerative receivers when employing this form of antenna, there is no difficulty encountered with present multi-tube receivers. The Dubilier light socket aerial works well in virtually all locations and with any kind of wiring.

In the suburbs, particularly, remarkable results are obtained by way of DX or distant reception. In the city the antenna socket plug is proving the solution of the crowded apartment house radio installation, with the roof already festooned with many and conflicting aerials. The light socket aerial is helping make superheterodyne and other loop type receivers more effective when employed in steel frame buildings. Where a house is wired with armored cable or BX, as well as conduit, the socket antenna or light socket aerial utilises the wiring as a big loop, insuring maximum selectivity and excellent sensitivity.

The socket antenna plug or light socket aerial, while a simple device in principle and appearance, requires real care in its design and construction. No ordinary condensers are feasible, since we are holding back 110 volts or more, while permitting the ready passage of delicate radio-frequency currents. The tiniest defect in the condenser dielectric would mean the unleashing of all the current back to the fuses in the house and even back to the transformers and the power house. Hence the condensers must be made with meticulous care and thoroughly tested. For this reason Dubilier engineers pay as careful attention to the light socket aerial as they do to the huge carrier-current coupling condensers which hold back tens of thousands of volts in the case of wired wireless or telephoning over high-tension lines. The two jobs are identical in principle, although of different magnitudes.

Super Efficiency.

IT is interesting to note how the progress of science advances in leaps and bounds with sudden startling improvements which leave mere man wondering what the next revelation will be. Radio and the internal combustion engine have very much in common to-day. This is evident by a casual observation of the efficiency of the modern passenger carrying aeroplane, combined with its radio installation for communication and direction finding. In Europe an immense network of commercial airways has been in existence almost from the time of the cessation of hostilities. There is a feeling of supreme confidence experienced by passengers in a modern aeroplane equipped with modern radio apparatus; in fact, transportation by aviation is really safer than crossing the street of a large over-crowded city. Internal combustion engines are now so designed as to be capable of standing gruelling tests under adverse conditions. An example of what is being done toward making aviation safer is in the production of the new Napier Lion engine, particulars of which have kindly been forwarded to us by the manufacturers.

This engine has twelve cylinders, with a weight of 835-lbs. and develops 875 h.p. at 3,300 r.p.m. This engine is of the type used by the winner in last year's Schneider Cup race, and it is interesting to note that the holder of the world's speed record for racing cars, Capt. Malcolm Campbell, used the Napier Lion for the purpose. Radio and the internal combustion are running a dead heat in progress, and it is safe to assume that in the very near future, trans-world aviation, backed up by the use of Radio for every possible emergency, will be accepted as one to-day accepts a train or boat journey.

All Readers' Queries Answered Here

W.G. (PARRAMATTA): I find your trouble is apparently with the intervalve transformer. From the description it would appear that the primary has broken down. A fixed condenser is of advantage across the primary of an intrevalve transformer when used in such a circuit to facilitate ease of oscillation. The resistance of the primary it too high to expect a 3½ volt lamp to light up when placed in series. Philips valves have no visible glow. The "Go-Getter" short wave receiver described in "RADIO" is highly efficient and is simple to construct but you are advised to stick strictly to the specifications.

RESISTO (DARLINGHURST).—You will require a 15 ohm fixed resistor in series with the filament supply from the 6 volt accumulator. When this is used with the master rheostat of 30 ohms, you will obtain the necessary voltage drop. This may be obtained by an Amperite or Brachstat. For the spacing of the coils, see the reply to G.R. (Redfern).

C.W. (GRANVILLE).—The circuit diagram you have submitted is theoretically correct, and there is no reason why the receiver should not function. Make sure that your valve sockets are not faulty and that the springs are making good contact with the valve pins.

J.P. (SYDNEY).—You will find details of an interesting regenerative interflex circuit known as the Peridyne Five, which is appearing in "Radio" for April next. This should suit your requirements.

A CONSTANT READER (DAWES' PT.): Details of the Harkness Two Valve Reflex receiver were published in the last issue of "Wireless Weekly" for April 6th, but owing to a printer's error, the diagrams illustrative of the Harkness Reflex three valve receiver were shown. This is corrected in this issue. The .00035 variable condenser you have on hand will be quite suitable. 3½ and 5 to 1 ratio transformers will do quite well, but use the 5 to 1 for reflexing. A B406 Philips' valve will suit admirably.

L.S. (RANDWICK): The trouble with your Nentrodyne Five is obviously due to unsuitable valves in the radio frequency stages. You should always use high impedance valves for R.F. amplification. Every manufacturer of valves issues literature describing each valve with its purpose. You are not correct in using UX199's for the audio stages. At least the last one should be of the UX120 type. If all the valves are correctly balanced and the set is de-neutralised, oscillation should take place in the R.F. stages, which will make itself known by the audible heterodyning of the carrier wave of the broadcast station being received. Any receiver using R.F. stages will usually deliver good loud speaker strength on local stations with the R.F. stages switched off at the filament supply.

K.B. (RYDE): There is no doubt that the lack of oscillation and volume with your Ultra-Audion one valve set is insufficient B battery voltage. Check your B battery first of all with a volt meter and if the battery shows any appreciable drop, replace immediately by a new one.

S.F. (TOWNSVILLE): A .006 fixed condenser may be used in place of the .002 in the B battery eliminator described in "Wireless Weekly," 26th August, 1927, but will result in a very slight drop in output voltage.

RADIO YOUTH (SPEERS' PT.): You will notice in "Wireless Weekly" for April 6th a reprinted version of the Harkness two valve reflex recommending either Osram DEL410 or DEL610 valves with an alternative of Philips' E406 and A415. Unfortunately, the wrong circuit diagrams were published owing to a printer's error. You will find the correct diagrams with this issue.

QUERIES

Queries must be brief and to the point.

Each enquirer is limited to three questions and where possible explanatory sketches or diagrams will faciliate the diagnosis of your trouble

K.M.D. (MOREE): The Na-Ald Three gang condenser having a capacity of 000375 will be quite suitable for use with your Solodyne.

W.A.B. (BRISBANE): You will find a description of an 8 valve Super-Heterodyne in "Raido" for August 15th, 1927.

D.B.C. (SPEERS' PT.): I am of the opinion that your lack of volume with the Selectrex four valve receiver is due to the faulty intervalve transformer. Check your tr[illegible] over for breakdown of the primary winding. You may reasonably expect to find that the trouble lies with the audio amplifiers.

J.B. (WOLLONGONG): Your loud speaker seems to have developed trouble with the diaphram. Perhaps you have at some time or other dropped the unit, and buckled the diaphram. I suggest that you send the speaker unit to Messrs. Bennett and Wood, Pitt-street, Sydney, who are the agents for CAV loudspeakers.

P.A. (LONGUEVILLE): Primary cells of the Leclanche type are easily constructed in a compact form for either A or B supply. They consist of a carbon element surrounded by a zinc cylinder or electrode immersed in a solution of sal-ammoniac, and water. The solution should be concentrated. It is usual to enclose the carbon in a sac consisting of a layer of Manganese Di-Oxide. The capacity of small cells of this type is naturally very low.

L.R.L. (TIGHE'S HILL): We regret that the copy of "Wireless Weekly" containing the all-Australian three valve set is long out of print.

V.E.T. (WALLSEND): By replacing your 4 volt valves for 6, and using a B battery eliminator you should reasonably have expected greater volume from your set. You have omitted, however, a most important factor, and that is the use of suitable power valves in the audio stages. As you are using UX201A's throughout, I advise you to obtain two power valves, of the UX112 or 171 type. These will allow the delivery of undistorted volume. Biasing must be carried out in the usual way.

ENNKAY (SYDNEY): The impedance of the secondary of a Ford ignition coil is extremely high, being in the neighborhood of 100,000 ohms. The condenser shunted across the make and break has also a high capacity of about 8 microfarads. This combination may well be used as a smoothing unit for a B eliminator; in fact, many amateur transmitters use Ford coils as chokes for the filtering of their RAC supply to the transmitter. You would require at least 5000 turns of 30 gauge D.C.C. wire to obtain the impedance you require on the core on hand.

R.S.J. (ABERDARE): The best way to utilise the TKD "two in one" valves with your Solodyne would be to use, first of all, one separate valve as the first R.F. stage. Next, combine the second R.F. stage with the detector in one Te Ka De valve and the two audios in another. You should experience no trouble with neutralisation which is effected in the usual way.

T.L. (NORTH SYDNEY): You may purchase almost any wiring diagram or theoretical circuit diagram from Messrs. Colville Moore, Rowe Street, Sydney.

T.F.D. (HARRIS PARK): If you are using an old-fashioned loose coupler in a crystal detector circuit, the only thing you can do is to tap the primary and secondary by the tens and units system. This will give you a good variation with a fairly good adjustment of wavelength. By this system, I mean, take tappings at every ten turns along the primary but tap each turn of the first ten. The tappings of ten and the tappings of one in the first ten, will each go to separate switches.

H.T. (HORNSBY).—The Radiokes Bayer coil kit consists of a standard aerial coupling coil and R.F. coil combined with an interstage transformer, comprising R.F. primary, secondary, and reaction coil. The layout of a receiver using this kit is very simple, and is a purely straightforward job. You will find many circuits using this kit, described from time to time in "Wireless Weekly." The Quality Six, the Threeflex, and many others have been described. I suggest that you try the Threeflex.

L.C.M. (CITY).—Of the five valve sets I recommend the Peridyne Five appearing in "Radio" this month. A good four valve receiver is the 1928 Browning Drake, used with a suitable amplifier. This was also described in "Radio" for March. A suitable aerial for either of these receivers will be 60 feet long overall, and as near vertical as possible.

H.A. (WALLSEND).—We will certainly forward the name and address of other readers who may write to the query column for information on the same subject. From your description, your trouble is solely in your audio frequency amplification. Make sure that your transformers are not faulty in any way, and if you have not done so, try grid biasing. I advise you to try the Threeflex, which is very stable in operation and gives fine loud speaker results on inter-State stations.

J.R.W. (BONDI).—There is nothing to worry about in the shocks you obtain from your home-made B eliminator. This is proof that the eliminator is delivering the requisite output. A very excellent valve for use with this is the Osram, R5V, which is obtainable from the British General Electric Co., Clarence St., Sydney. I appreciate your suggestion regarding an article on home-made loud speakers, and will endeavour to comply with this at an early date. I have had many complaints that your district is in some parts notoriously bad for reception. In one instance, I experienced this myself; so set your mind at ease.

A.T.R. (LEETON).—The "Go-Getter" short wave receiver described by 2NO was published in "Radio" for December last.

TRANSFORMERS

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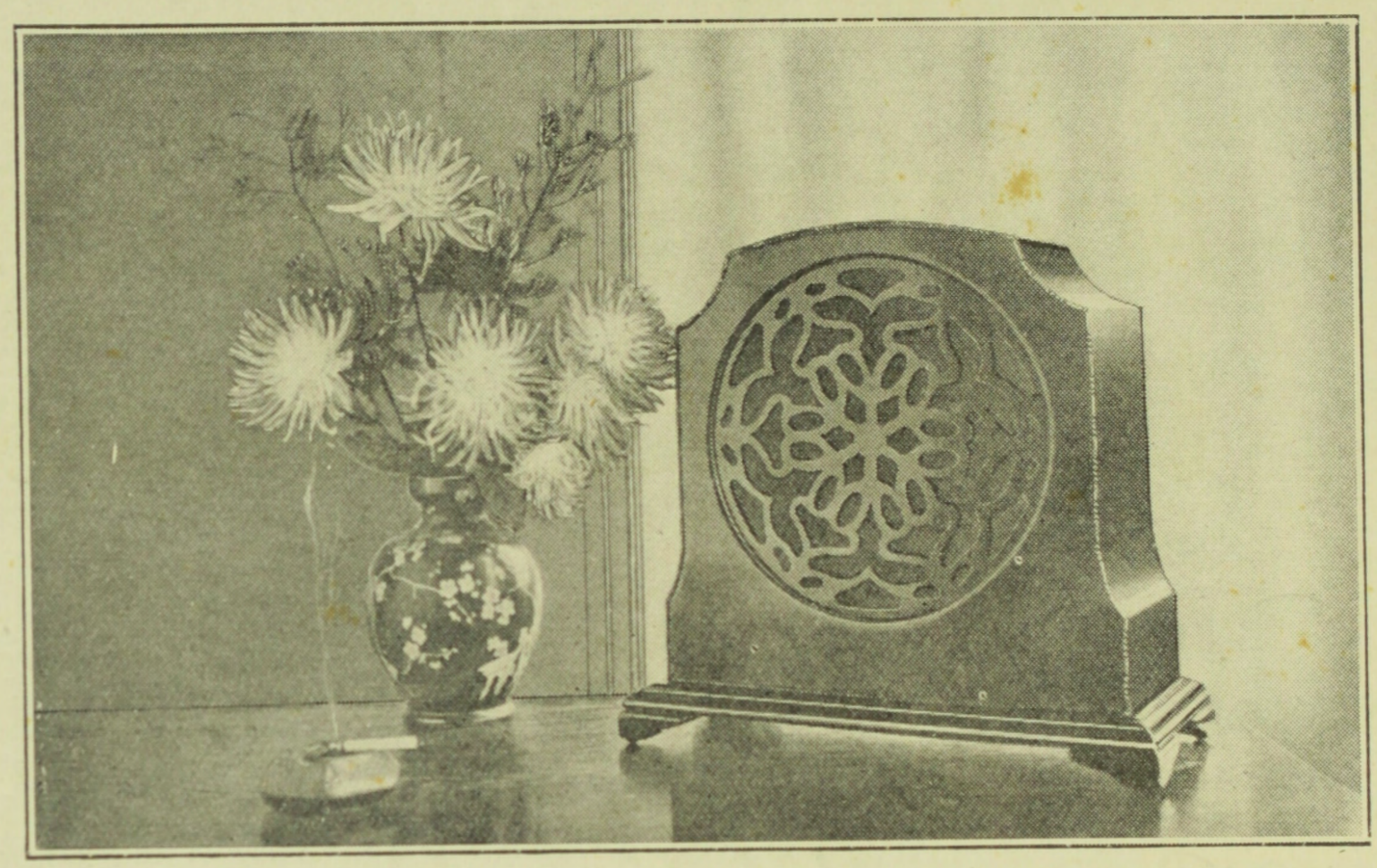

Choosing a Loud Speaker

TO some people, mostly women, shopping is an enjoyable adventure—to be prolonged to the limit. To others, mostly men, it is an insufferably boring procedure — to be cut out when possible, and cut short always. When he **must** go shopping a man first finds out what is best and then buys the best he can afford, If he is choosing a loud speaker he naturally gets an AMPLION.

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