

WIRELESS WEEKLY

Broadcast Programmes a Week in advance

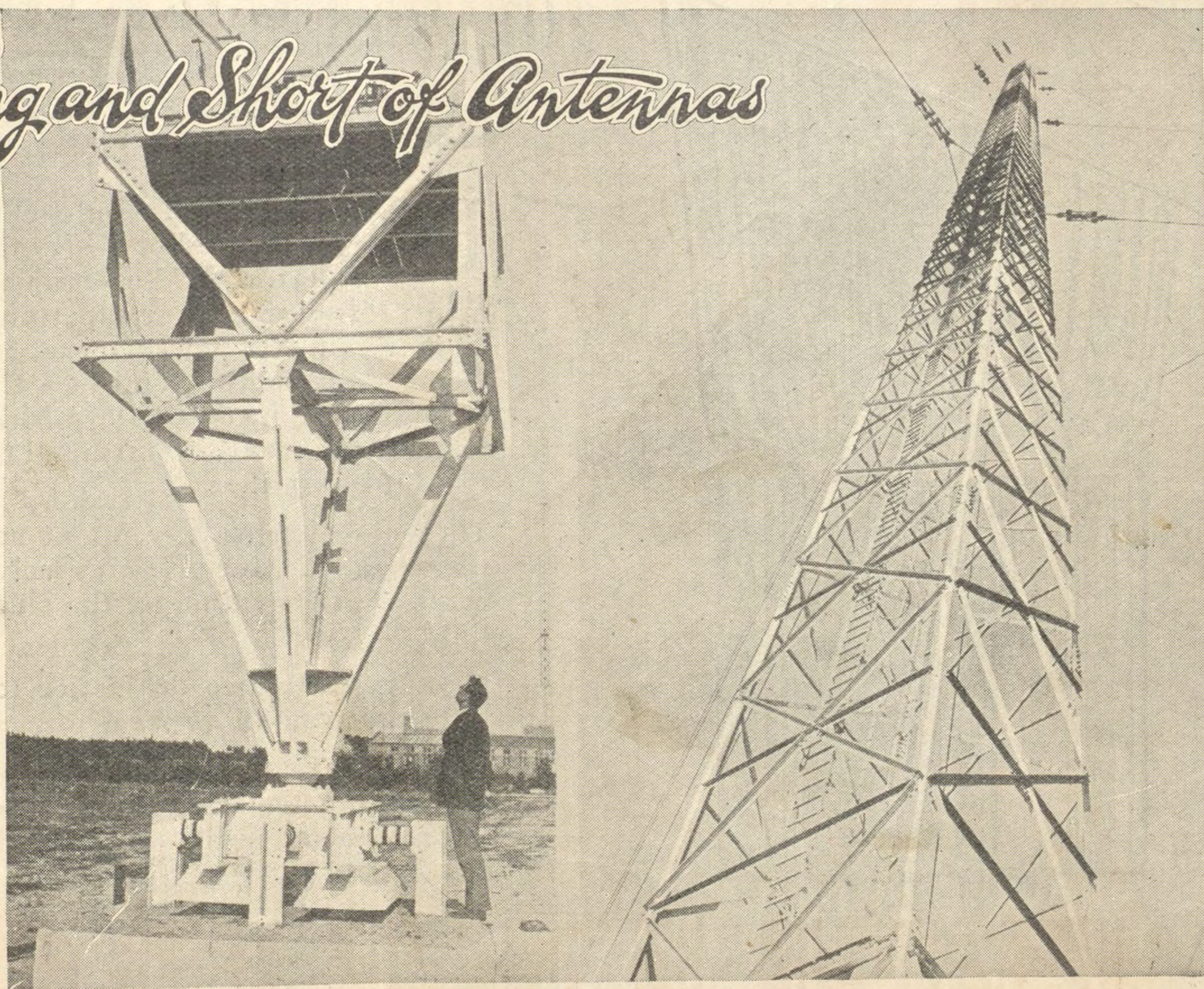
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NUMBER 28

The Long and Short of Antennas

See
Paragraph
Page 4.



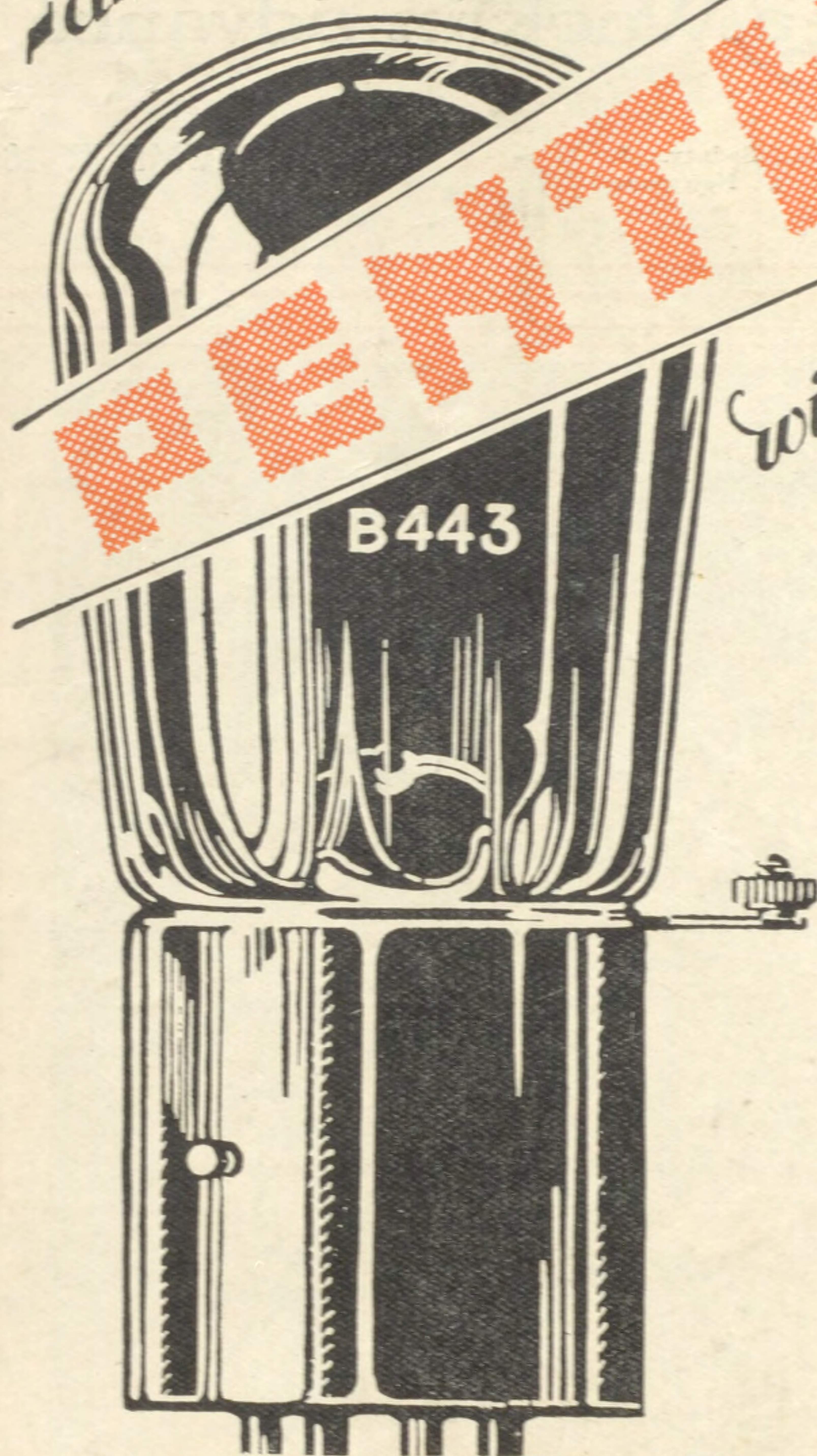
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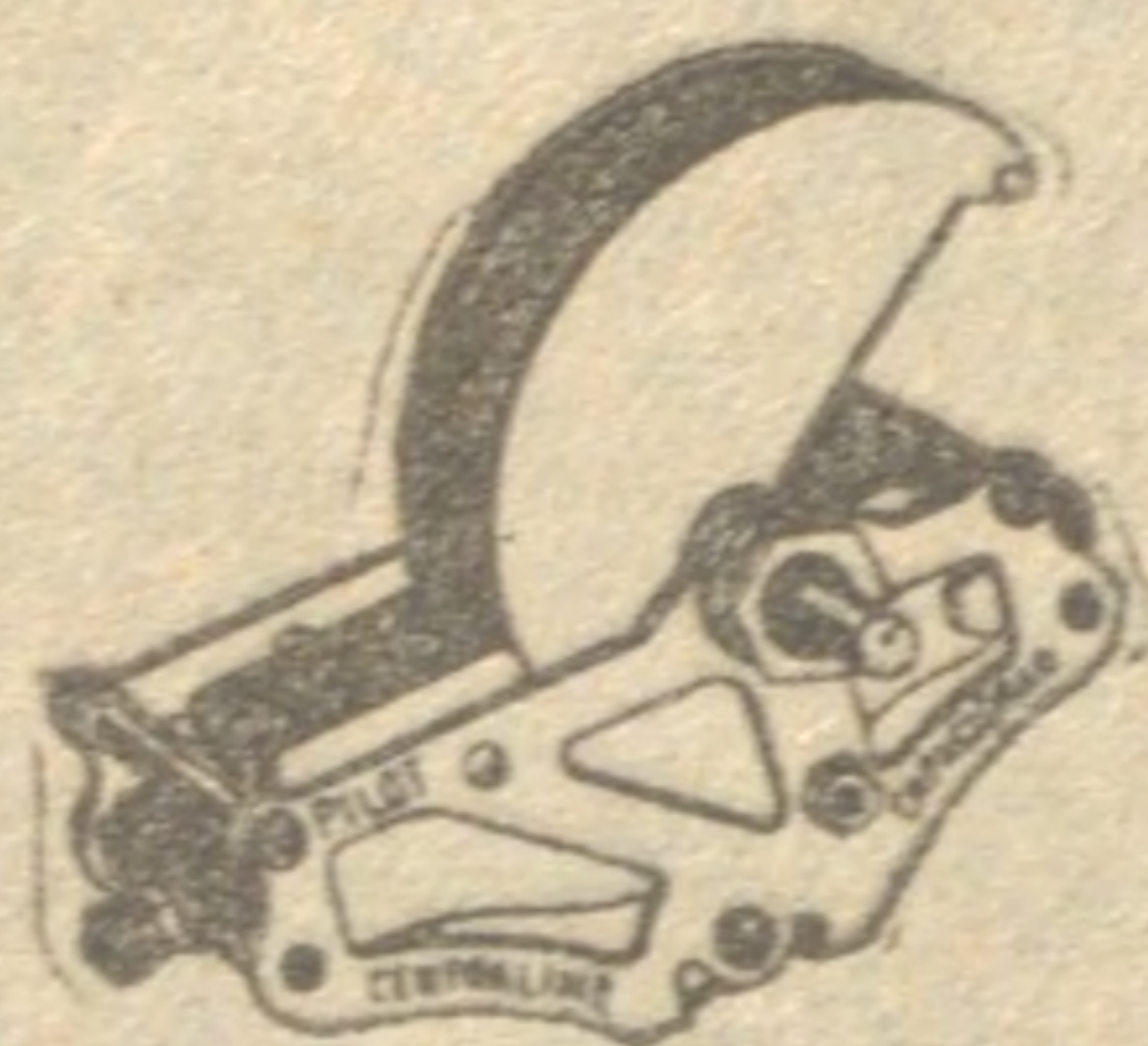
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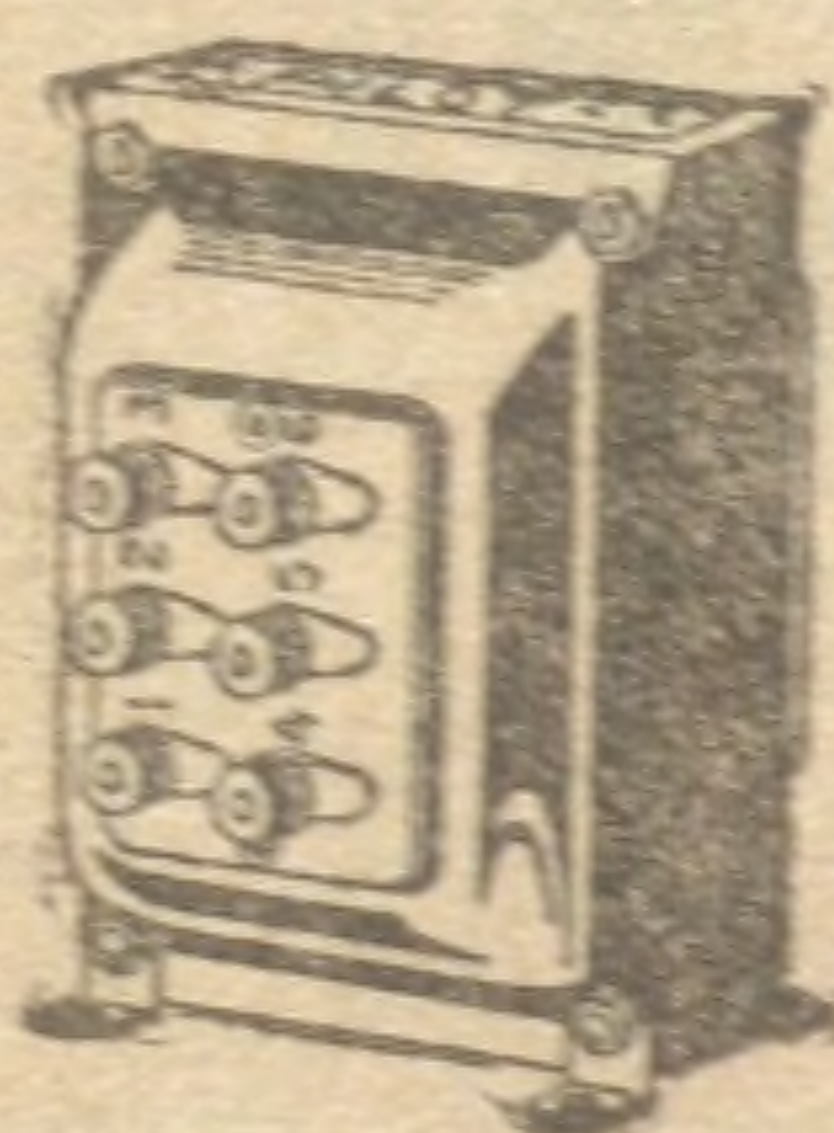
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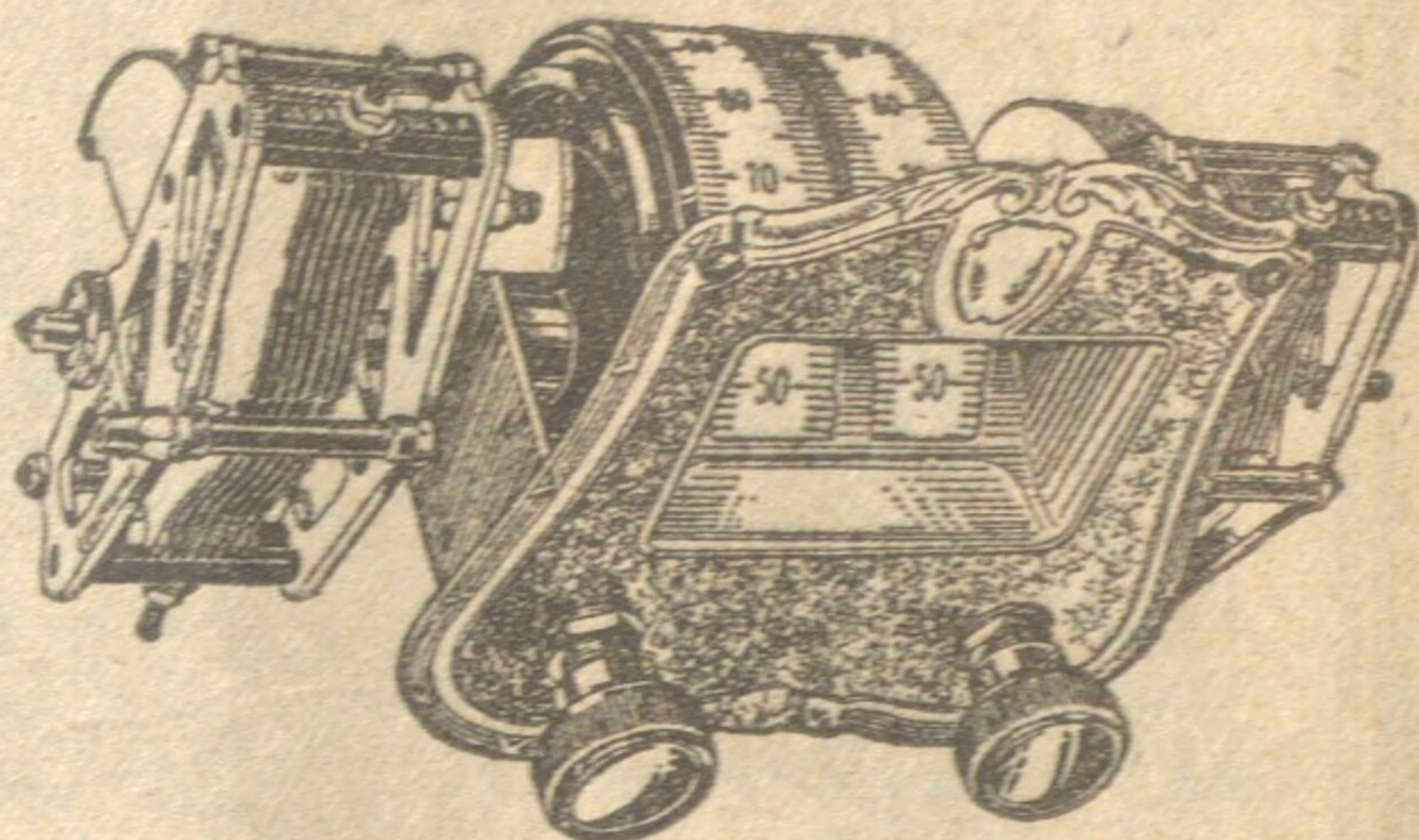


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WIRELESS WEEKLY

VOL. 12. No. 28.

FRIDAY, 2nd NOVEMBER, 1928.

Seasonal Change and the Trade

JUST about this time each year, or, maybe, a little later, the wireless trade, for several accountable reasons, but no real cause, becomes shaky. Incredible as it may seem this condition can be traced to the old exploded fallacy that radio is subject to seasonable changes.

A certain timidity on the part of traders working on a narrow margin is apparently contagious and results in a general tightening of the market. This, of course, is reflected in sales and reproduces artificially just that condition which it is attributed to.

To believe this story that the popularity of radio fluctuates with the seasons is to be ignorant of modern methods of merchandising—especially of those methods adopted in America, where the extremes of the climate provide more ground for its belief than the equable seasons of Australia. A number of enterprising traders gave it the lie last year by doing more business during the summer months than in the previous winter months. They decided that the new cone speaker, the battery eliminator, and the special purpose valves were worth pushing, no matter what the season, and they found that the season did not affect their sales in the least. The advent of the Solodyne—the first of the new type of receivers—undoubtedly helped. The remarkable demand for parts for its construction throughout the summer months demonstrated that radio is not less popular in the summer be-

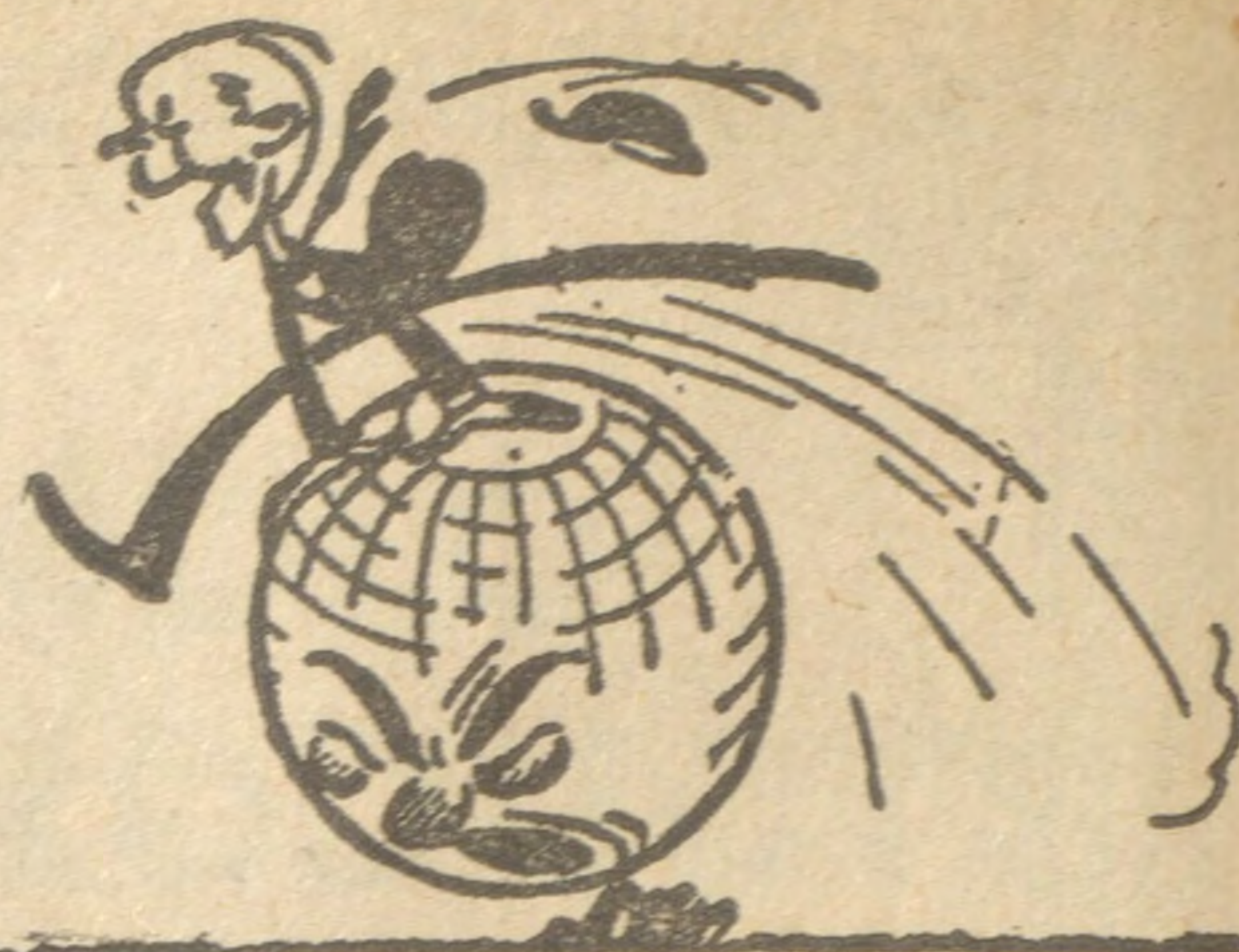
cause of seasonal causes, despite the foregone conclusion of certain traders about business and their lack of enterprise in placing attractive goods before the public. No doubt this year the enterprising will be doing a great business in dynamic speakers, all-electric sets, and screen-grid valves, while the timid are bemoaning the slackness of trade and attributing it to imaginary causes.

The belief that radio is subject to seasonable fluctuations in popularity goes right back to those days when the signals of the broadcasting Stations were so weak that they did not penetrate the lightest burst of static, and when the receivers were crude instruments with headphones. Since those days, of course, transmitters have become powerful things and the volume of reproduction in receivers strong and clear enough not to be affected by ordinary static discharges.

The second reason for the persistence of the idea lies in the belief that summer is out-door-time and winter indoor time, and, therefore, better for radio. This is partly true, of course, but the trader who imagines that radio is purely a fireside service or entertainment is an incurable visualist. Radio is just as much in evidence in shops, motor expeditions, holiday camps, tennis courts, open verandahs, and even hotel bars, as it is even by the fireside. Radio is just as much an outdoor and summer service and entertainment as a winter one.

Catching Up with the Wireless World.

By R. E. CORDER.



"TAKING THINGS all round, I think you have our stations 3LO and 3AR beaten!" We hasten to add that this 2FC correspondent hails from Tongala (Vic.), having no desire to precipitate interstate war.

RUMOR HATH it that Jean Darling and John Fitzer, both popular 2FC artists, have decided on a life partnership. They are both very charming people, and we have much pleasure in extending our cordial wishes for their future happiness.

A MARINE wireless medial code is now being tested on Atlantic liners. The object of the code is to assist captains of ships which do not carry doctors to obtain diagnosis and advice from doctors in other ships.

TWENTY-FIVE MEN who will take part in Commander Byrd's forthcoming South Pole expedition are extending daily wireless classes to enable them to operate portable transmitters and receivers. The sets will be used on aeroplanes and sledges.

THE FLAGMASTER of the H.M.A.S. "Australia" is unable to give any information regarding the wireless installations on board the ship, as he states these are the Country's secrets.

A SHORT-WAVE station is to be erected at Leopoldville, in the Belgian Congo, for direct communication with Belgium. Telegraphy will be used first, but a telephony installation will follow.

2BL's UNCLE PETER became J. Knight Barnett one night last week, in some songs and a sketch with Dorothy Dewar. He certainly is a man of many parts, and the versatility he displayed in this smart little act was very much appreciated, the song "I think of you, dear," proving a particular favorite. An ingenious item was the closing chorus, in which Miss Dewar and Mr. Barnett sang the choruses of two jazz ballads to the one accompaniment. "Miss Dewar's idea" handsomely confessed Mr. Barnett. Listeners hope there is more to follow.

OUR cover picture this week shows two views of the mammoth towers of a new wireless station just outside Berlin—the second largest in Europe.

EACH OF THE towers—there are two—is 689 feet high, and they support an aerial of 1476 feet between them. They serve the new 40 k.w. station recently opened in that country.

THE SPECIAL interest in these towers lies in the unique construction. The enormous weight of each tower rests on a base not more than 18in. in diameter. This is remarkable in so far as the towers sometimes sway as much as 20 feet from the perpendicular at the summit during high winds.

THEY ARE HELD upright, of course, by powerful steel cables with a guyer to the ground. It is notable also that the amount of static electricity collected from the atmosphere by these masts is high indeed. They are insulated from the ground at their bases, as can be seen in the first picture. Were the man in the picture to touch the framework above or in front of him, and thus short circuit them, he would probably be killed.

SOUTH POLE BROADCASTING.

AN interesting experiment in short wave broadcasting on 31.5 metres, will be carried out shortly from the Whaling Steamship "Nielsen Alonso" whilst in Antarctic waters. The experiments will be made in conjunction with 7ZL and 3LO. It is intended to broadcast musical programmes from the whaling vessel, and when Sir George Wilkins comes aboard in Ross Sea for supplies Captain Andressen of the S.S.N.T. "Nielsen Alonso" will get him to broadcast a talk upon his experiences. Special plant has been placed on board the vessel for the purpose of carrying out this short wave broadcasting, and the transmission will be picked up by 3LO, 7ZL and 5CL, and re-broadcast.

THE PARIS POLICE frustrated an intended demonstration of the Communist party at Saint Denis recently with the aid of a wireless van, which enabled police headquarters to keep in touch with the units.

I listened-in till midnight.

When a thought came into my head;

What a fool I was to be there.

When I might have been in bed.

JACK CANNOT is going to offer sage advice to young—and possibly old—stage aspirants, at 2BL, on the evening of 5th November. He will take for his first subject, "The Difficulties of Choosing a Stage Career," and will offer the benefit of his personal experience to those who contemplate stage work. "I will generalise on stage problems," said Mr. Cannot, "but I want to say a word or two regarding the dangers of family laudation." From the inflection in his voice, one gathered here he considered was the greatest pitfall of all.

IT IS NOT GENERALLY known Basil Kirke is not nearly the tame announcer he appears to be. In point of fact, he is a much travelled man, and the forthcoming series of travelogues which he proposes to give will cover the Malay States, Java, Borneo, Hollandia, British and German New Guinea, Solomon Group, Santa Cruz Group, New Hebrides and Fiji. Mr. Kirke will give a brief outline of the history, the natives and customs, the potential possibilities, industries, jungle life, jungle animals, etc. 2BL listeners will find much to interest them in this series.

THE CHAIRMAN of the Auckland Cricket Association, Mr. R. E. Nalder, has written to the New South Wales Broadcasting Company Limited, asking whether it would be possible for 2FC to devote a couple of minutes each night during the tour of the English cricketers, to give a resume of the day's scores for New Zealand listeners. In answer to this request, from the sister Dominion, the New South Wales Broadcasting Company has decided that at 7.50 each night, the cricket scores will be broadcast specially for enthusiasts in New Zealand.

“The Function of Radio in Education.”

By Dr. E. E. Fournier d'Albe, D.Sc., F. Inst. P.

(The World-famous Scientist and Radio Inventor.)

BROADCASTING is the most important new agent of culture which has appeared since the invention of printing. The printed book and the newspaper convey their message through the eye of the reader. So does the moving picture, which has acquired a great cultural influence in the last twenty years, though that influence is not always of the best kind. The universal prevalence of the printed page in modern times has almost made us forget that in more ancient days all knowledge was conveyed by word of mouth, and when not imparted by parents, was in charge of a specially privileged caste, which was treated with respect and sometimes regarded with fear.

The art of printing brought culture within the reach of everyone who could buy a book. Broadcasting brings culture into the home of everyone who can obtain a receiving set. A book is considered successful when it is sold by the 100,000. Some newspapers sell a million copies daily. But the listeners to a single big broadcasting station often exceed ten million. Science has, therefore, once more transferred the advantage from the eye to the ear for the dissemination of cultural influences. It remains to be seen what effect this profound change will have upon the spread of culture generally.

In one respect, at least, wireless broadcasting has already exerted a profound and far-reaching influence. It has brought to many millions of people for the first time the imperishable treasures of music composed by the great masters. A never-ceasing river of music is poured into the ether every day, to be absorbed by millions of delighted ears. Before long, all the great compositions of the past will be universally known, and the listening masses will be ready for new and strange rhythms and sequences. The rapid spread of American dance music shows how quickly a peculiar taste in music can be developed by wireless, and what a hopeless task it is to resist it. Broadcasting stations will have a heavy educational responsibility as regards music, and most of them appear to realise it, though some of them give way to the popular clamour for inferior music which is

characteristic of the musically uncultured nations.

It is natural that the educational effects of broadcasting should have been felt in the first instance in the domain of music, which is a universal language peculiarly adapted to the new medium of communication. But a more profound effect will, in the long run, be produced by the spoken word. Every language used in broadcasting will have to be standardised, and the standard will become more rigid as times goes on. This effect can be already observed in Germany, where *Buhndeutsch* is used by all the main stations. It can be seen in England, where a special committee is at work smoothing out the inequalities of English pronunciation. It is even more important in Poland and in Czechoslovakia, where there is no recognised standard of language, and in the Irish Free State, where an attempt is being made to revive a national language no longer in popular use.

Having standardised the national language, the broadcasting stations will have to decide upon the best mental food to set before their listeners. It is interesting to go round Europe with a multi-valve set and observe how the different nations acquit themselves. On the same day, one can listen to lectures on natural history from Vienna and Malmo, astronomy from Cologne, philology from Brussels, English and medicine from Berlin, Esperanto from Madrid, travel from Daventry, and history from Cracow. Generally speaking, the ratio of verbal broadcasting to music is an indication of the stage of civilisation of the nation concerned. The more civilised nations are not satisfied with mere entertainment. Their minds require a due proportion of more solid food. The fixing of this proportion is one of the most difficult problems which the broadcasting authorities have to face.

The German “Hauptfunkstelle” of Königswusterhausen, gives a greater proportion of verbal communications than any other. This is partly attributable to the naturally studious character of the German people, partly to the fact that the station is a

national one, and is free to follow an enlightened public policy.

In England the situation is complicated by the fact that the broadcasting authority, though nominally as independent as a university, is amenable to pressure from two sides, the Press and the Government in power. It has made a spirited attempt to realise its educational ideals, but it has met with formidable opposition from the Press. To judge by the expressions of public opinion, the English people look upon broadcasting as an amusement, and strongly resent any attempt to give it an educational value.

In the United States, on the other hand, the idea of universal education by wireless has made considerable progress. For the last two years, the University of Pittsburg has collaborated with the radio station KDKA of the Westinghouse Electric Co. in providing lectures on university subjects, and there is reason to believe that these have been found very interesting and stimulating by those unable from any cause to attend a university themselves.

There is little doubt that public opinion in civilised countries will more and more strongly insist that the great influence of radio should not be confined to amusement. Even the Roman mob called for “panem et circenses,” solid food as well as entertainment. Both will have to be provided.

Perhaps the best way of solving the problem will be to allocate a special wavelength to a “university station” in each country, from which all lectures of a university standard could be broadcast without interfering with the entertainment stations. Should some common international language like esperanto be generally adopted, the matter would be greatly simplified. It would then be possible to found an international wireless university for the dissemination of all knowledge. After all, man has risen above the beast through his faculty of storing and accumulating knowledge. He must fortify his position by making that knowledge freely available to all.



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.

SOMEONE WANTED A RECORD.

Dear Sir,—Between 11 p.m. last night (Saturday) and somewhere between 2 and 3 a.m. this morning two "diggers" sat tensely listening to 2BL's account of the "Southern Cross" return flight from N.Z. Beside one digger sat his wife; their seven-year-old son, wide-eyed and intent, sat on the knee of the other throughout those three hours of anxious waiting. Four questions thrilled the listeners as the night sped on. Did the aviators know where they were? Could they find the aerodrome on such a bad night? Would the petrol last? Could they land safely? An answer in the negative to any one of those four questions may have meant the death of three brave men. But no; somebody wanted a gramophone record (N.B.—The inmates of Gladesville should NOT be allowed to use the Institute's 'phone).

Dot-dash-dot-dash, etc., "The last message says that the 'plane has only sufficient petrol for a few more minutes." A cloudy night; do they know where they are; can they do it? Grim waiting during a period while the 'plane is passing from Parramatta to Richmond. An eloquent silence. "Stand by. We are still on the air." Stand by: so reminiscent to the two listening diggers of the oft-heard "Stand to" of a decade ago. The silence in the room recalls that grimmer silence of men lying prone on the jumping-off tapes waiting for the zero hour. Then—somebody requested the announcer to TELL THEM A STORY.

Mr. Editor, we both apologise. We forgot the woman and child, and we told the announcer to tell that man to "go to hell." We meant it then; we are sorry now. Perhaps some bad people have gone there, but bad as they were, we don't want them to meet THAT man. So we ask 2BL to please forgive him, for he knew not what he did.

Because three hours of last night recalled hours of strained waiting in the muddy trenches of France, I sign myself as I then was, hoping that some old cobbler may see it, and remember.

No. 5373 18th BATT., A.I.F.
Ruthven, via Lismore.

A SUGGESTION.

Dear Sir,—I wish to offer a suggestion, through the "Safety Valve" page—not in the form of a complaint,

for nobody should have complaints with regard to programmes, since they are arranged to please some of the people all the time; not all of the people some of the time. My suggestion takes the following form:—

Station 2FC, upon which most country people depend for daylight reception, gives a new session daily, at 1.3 p.m., which is a little too early, as most people leave their place of business (in the country) at 1 o'clock, and this means arriving home for lunch about 1.10 p.m., with 90 per cent. of country listeners, who never fail to tune in for the latest news when it is possible. Taking the present time into consideration (1.3 p.m.), it is obvious that we country listeners nearly always arrive home just too late to receive the mid-day news. Might I suggest that 1.20 p.m. be put before 2FC, as a more suitable time? 2BL'S news session—12.48 p.m.—is inconvenient, for the same reason.

Ask any country listener if he appreciates the news service, and wait his reply. I venture to say that this is one of the factors which makes a country resident consider the installation of a wireless set, and, if employed in business, finds himself up against the little inconvenience referred to.

I trust I won't be described as a "Howling Valve."

Yours, etc.,

Gilgandra.

E. J. BOGIE.

BAND MUSIC.

Dear Sir,—I think the attitude of the N.S.W. Broadcasting Co., and the Bandsmen's Association, towards each other disheartening. Both remind me of two children quarrelling. One child refuses the other a bite of his apple, because the other did not offer a sweet.

For those who are not aware of the position, it might be briefly outlined. The Radio Eisteddfod was open for bands. Several entries came in, and others were prepared, and never forwarded, because the Bandsmen's Association refused to let bands enter. Asked the reason why, the association gave as its excuse the fact that the broadcasting stations did not broadcast the contest held last year, in Sydney—a poor excuse, indeed.

Whether the broadcasting stations were unable to broadcast the contest, through schedule, or other reason, I do not know, but in the interests of radio, and also in the interests of listeners, it is time both climbed down from their high stools, and met each other on equal terms.

The broadcasting stations, as a feeble excuse for the non-inclusion of bands in the programme, state that most of the bands have already broadcast. Surely this fact (if correct) was known before the schedules were drawn up. Another point, too, which should not be lost in the reckoning, is the fact that band music often heads a list when votes are taken for the most popular item.

Yours, etc.,

A PEEVED LISTENER.

Paddy's River.

ANOTHER PERFORMANCE.

Dear Sir,—In reply to Mr. Hagerty's letter, in "W.W.," Friday, 19th October, I would like to say something about my two-valve set.

I receive 2BL, 2FC, 3LO, 3AR, 4QG, 2MK, loud enough for fair speaker strength. 2GB, 2KY, 2UW, 2UE, 2BE, 3UX, 3DB, 5CL, 5KA, 7ZL, 2YA, 3GF, 3BY, all on good 'phone strength, and JOAK, and JODK, Japan, faintly.

Yours, etc.,

Kelso.

A. HASZLEWOOD.

STILL WRESTLING.

Dear Sir,—Nearly every week there are letters in your "Safety Valve" column, in which listeners complain about the reception of wrestling matches from 2BL. It might interest some of them to know that I have listened to every match that 2BL has broadcast, and have found nothing to complain of. As a matter of fact, it is only rarely that the Stadium announcer and the gong cannot be heard, to say nothing of one regular patron who has a peculiar laugh. My set is only a "one-lunger," but I have logged 2BL, 2FC, 3LO, 5CL, 3AR, 2KY, 2UE, 4QG, and 4GR, only with headphones, of course. 4QG and 4GR are the only stations received in daytime.

Yours, etc.,

R. E. FEREDAY.

Queensland.

Detecting the Radio Licence Dodgers

The Explanation for the large number of prosecutions in N.S.W.

THE figures relating to prosecution of persons who listen without a licence, made public by the Postmaster-General, show that the licence dodgers are still fairly numerous. Scarcely a week passes without some announcement being made that so-and-so was fined a pound or two pounds for using wireless receiving equipment without being in possession of a listeners' licence.

It is a surprising and disappointing reflection that there are so many of these cases. The necessity of getting licence is so frequently announced by 3LO Melbourne and other stations, and the fee is so small, that one cannot explain the motives behind such conduct. Of course there must be some cases of forgetfulness and putting off the visit to the Post Office, but that statement cannot explain the failure to obtain the listening permit by so many. The number must be fairly considerable because it must be assumed that only a percentage of the culprits are found out.

The traders report so many sets sold per month, but the additional licences reported to the broadcasting companies do not agree with the numbers of sets sold. And even after allowing for the fact that some of those sets must be replacements, installing valve receivers in place of crystal sets, or more up-to-date valve sets in place of older valve receivers, there still is a margin not explained.

Must we assume then that there are an unreasonably high proportion of the public who either do not know the law of the matter, or who will not obey the law. It is hard to believe either of those explanations.

The object of the postal prosecutions presumably is to warn other culprits of the risks they run in not obtaining licences. That warning is most effective when the fines imposed by the magistrates are high enough to indicate the finance hazard—not to mention the undesirable publicity of figuring in the police court reports. But the fines frequently are not high enough. There has been fines as low as £1, while the maximum fine is £50. In one of the southern cities a fine of £5 was recently imposed. That may be a sign that the magistrates are becoming tired of issuing warnings and that they intend inflicting harder penalties. If it is so it is a justifiable attitude because the police court pro-

ceedings have been going on over three years, and everyone should be in a position to know what is required when they put in a broadcast receiver.

The greatest number of prosecutions have been in New South Wales and Victoria; although there have been more cases in the larger State the licence figures are very much higher in Victoria. There are doubtless many reasons for the discrepancy in licences, but the statistics of prosecutions does not prove anything. Apparently the postal inspectors have been active in each State and more dodgers have been caught, in New South Wales. The publicity given to the prosecutions has been widespread in Melbourne, just as it has in Sydney, but the number of prosecutions has been higher in Sydney and the number of licences taken out higher in Melbourne. There must be other explanations of the greater popularity of licence-getting in Victoria. Whatever the actual reasons may be, it is important to ensure that every house using wireless has its licence, that every person making use of the broadcasting service pays for the service. Listeners can help each other by discussing the matter so that no one can say he did not know a licence was necessary.

Magnesium Metal Basis of New Electrical Insulation

BY means of a process in which metallic magnesium is employed, the Westinghouse Electric and Manufacturing Company has perfected a new insulating material, which, the company's engineers claim, represents a very definite step forward in electrical progress. The new material, it is stated, makes possible the production of electric heating devices with a higher efficiency and longer life than can be secured with the use of mica, asbestos, and other standard insulating materials.

"The new insulating material, which is known to the electrical trade as Corox, is remarkable in having a higher insulating value and at the same time higher heat conductivity than mica, asbestos, and other materials generally used to insulate electrical heaters," stated H. C. Bostwick, Westinghouse engineer. "By virtue of these properties, it is now possible to improve the efficiency of electric heating apparatus by 10 per cent. and increase its useful life 200 to 300 per cent."

"An unusual feature of Corox is that it is made from metallic magnesium, which is a conductor of electricity," said Mr. Bostwick.

The actual heating element, which is resistance wire of a high melting point, is wrapped round and round with metallic magnesium ribbon, and the whole is then inserted in a copper tube. Steam at 450 lbs. pressure is then forced through the tube, and the magnesium metal then changes into its oxide. The result is a tube containing a heater wire which is embedded in a hard, dense, white substance resembling marble. The ends of the tube are then sealed up, with electrical contacts projecting. The tube itself can be formed to any of a multitude of shapes, and can be soldered, brazed, or otherwise assembled in any desired mounting. The heating unit thus formed is almost indestructible in normal use.

This process was invented by C. B. Backer of Norway. The Westinghouse Company purchased the American rights several years ago and research engineers have been engaged ever since with the problem of reducing the Backer principle to practice. This work has now been successfully completed, and the new insulation is being regularly used in several of the company's products.

OLD MELODIES.

Mintie.

See the cheeks are all aglow,
Old Time night at 3LO,
Ah, the evening will be grand,
Helped along by Hoffman's Band

He will live in yesterday,
Say the things we used to say;
Can my little partner hear?
She who claimed the Yester-year

You will find, and who will not?
Mem'ries in a gay Gavotte;
Sigh one little soft regret,
O'er an Old Time Lancer Set.

May-be eyes are not so bright,
As upon one other night,
When the dear old tune was played,
To some loving lad and maid.

But the spirit's just the same,
Life is still a merry game,
Old Time Night sets hearts aglow,
On the air from 3LO.



Between you and me and the Microphone.



ACCORDING to the World's News, mosquitoes are more apt to bite people with fair skins than those of dark complexion. We might go even further and say "Mosquitoes are more apt to bite the all-night DX fan than the man who goes to bed."

THE SAME paper states it took nearly fifty men a day's hard work to clear up the litter left in Hyde Park, London, after an August Bank holiday. It would take considerably longer for fifty men to clear up the litter if I could lawfully do as I liked with some sopranos.

A SYDNEY NEWSPAPER recently published (in a surprised tone) a paragraph to the effect that a cat had been born which could talk. I know of several that can talk, scream, cry and broadcast.

A COMEDIAN was rehearsing his part in a new play, the author of which was present. The play was to be broadcast. The comedian once or twice inserted jokes of his own. "My dear boy," the author said to him, "be good enough to speak my lines—then give listeners time to laugh." "All right," said the comedian sorrowfully, "but my last train goes at midnight."

TIM HAD BEEN listening to the news from the radio. Presently he went in to his wife with a mournful look on his face. "Sarah Smith," he began. "You know her mum—Bill's missus—she threw herself off the Harbour Bridge las' night." "Ar," said Tim's wife. "Poor Sarah!" "But," said Tim, his face brightening up, "a cop fished her out agin." "Ar," said Tim's wife, "poor Bill."

THE LANDLADY had swallowed a few of Mrs. Jordan's recipes, but the best thing she had heard over the radio was a method of serving up ham and eggs. She practised quite a lot, and one boarder got rather tired. "What's for breakfast?" he asked the maid one morning. "I hope it's not ham and eggs." "No, sir, not ham and eggs this morning," the maid replied. "Thank goodness," said the boarder. "What is it?" "Only ham," she replied.

THE IRISH announcer is a great complainer. Judging by the Irish Radio News, he says "O!" every few seconds. As an instance, the programmes show many contributions by Fay O'Sargent, Jimmy O'Dea, and Harry O'Donovan.

A FRIEND of ours recently procured the Marconi School's prospectus. Noticing that the deposit required on the radio course was £10, he sent a letter, which consisted of one word—"Necessary?" and to this he attached the statement regarding the £10 deposit. The very next day a reply was received. It read: "Dear Sir, Absolutely."

"ONLY A DREAM."

By Whisker.

*King Alfred, forced by fate to roam,
Incog., by Hills and ocean foam,
Walked sadly to his humble home.*

*He hung his crown behind the door,
And sat upon the muddy floor,
And thought of how he'd win the war.*

*He said he'd sit and stay awake,
And watch the peat-fire slowly bake
The cakes the good wife loved to make.*

*He watched the fire and saw arise,
Before his somewhat startled eyes,
A picture full of strange surprise.*

*An oven hid the cakes from sight,
The room was filled with brilliant light
And all felt warm that winter's night.*

*Himself he fancied sitting there,
Reclining in an easy chair,
While softest music filled the air.*

*The sweet strains ceased; a voice was heard,
Remarking: "Carbine won the third;"
The whole affair was quite absurd.*

*"Why be a king and struggle so?"
Thought he, "The times are hard; I'll go.
And spend the time with 3LO."*

*He woke and felt the icy breeze;
The cakes were burnt, so, with a sneeze,
He prayed for mercy on his knees.*

A NEW schoolboy howler has been added to the already formidable list. Writing about various types of artists that broadcast, one bright boy wrote: "A contralto is a low sort of music that only ladies sing."

IF YOUR SET screams first make sure that your receiver is not oscillating. Then call on your neighbour to see if his receiver is oscillating. If not, then another soprano is being broadcast and you need have no fear that your set is radiating.

ACCORDING to the N.Z. Radio Record, Mr. D. W. Tapp, of Rotorua, New Zealand, has been awarded a ukelele as a prize for long distance reception of KFI's Midnight Frolic from Los Angeles. Evidently KFI expect Mr. Tapp to make a song about it.

SHE WAS lecturing on the wrongs of poor down-trodden women. Finally she put this question: "Is there any single man among my listeners who has never spoken an unkind word to his wife?" A few seconds later the telephone bell rang. "Yes, I'm that single man," a voice said, "and I mean to remain so."

LITTLE JOHN (explaining certain facts to his small sister): "And owing to the fact that the speed of radio frequency currents is too high to be audible, they are first passed through an aerial system, and then rectified by means of the detector stage, after which the currents, now slowed down, and being audible, are amplified by means of audio frequency transformers."

Voice from the kitchen: "Johnny, if you don't stop using bad language, I'll call your father!"

WHAT RELATION is there between the aerial and the earth? (Ans.) There is no connection.

BORE: "No man with any sense would own a radio receiver."

BIT: "How do you know what a man with any sense would do?"

2FC and 2BL

Coming Features in the Programmes

THE ADDRESS BY THE Prime Minister (Mr. Bruce) to be given in the Sydney Town Hall on Wednesday, 7th November, will be broadcast through 2BL Service.

MR. GERALD PEACHELL, the eminent English musician, who has been appointed conductor of the Royal Philharmonic Society, and who has consented to act as adjudicator in the Choral, Vocal and Instrumental Sections, will chat to 2FC listeners in an interview which has been arranged for Thursday night, 8th November.

HILDA SUTTON AND LILA JOBB combine excellently in a pleasing piano and violin act. Miss Sutton is a violinist of no mean ability, and Miss Jobb's plaintive coon melodies at the piano offer a very definite exception to the broadcasting rule that a singer must NOT play for herself. Miss Jobb makes voice and piano blend very harmoniously on the air.



Miss Hilda Sutton, who is shortly to appear with Miss Lila Jobb in a series of pianoforte and violin pieces. They will be heard from 2FC.

New South Wales Broadcasting Company Limited Coming Features of the Week

2FC Service TALKS 2BL Service

FRIDAY, 2nd NOVEMBER:
9.15 p.m.—Captain Fred Aarons.
SATURDAY, 3rd NOVEMBER:
10.30 a.m.—"Redgum":
"Gardening."
SUNDAY, 4th NOVEMBER:
8 p.m.—Stuart Booth (Denver):
"Christian Science."
MONDAY, 5th NOVEMBER:
8.15 p.m.—Racing Commissioner, will talk on the prospects of the Melbourne Cup.
TUESDAY, 6th NOVEMBER:
3.45 p.m.—Talk on Electricity.
WEDNESDAY, 7th NOVEMBER:
5.45 p.m.—"Teacups Chatter," by Doreen Walsh.
THURSDAY, 8th NOVEMBER:
7.50 p.m.—Interview with Gerald Peachell, Radio Eisteddfod Adjudicator.

FRIDAY, 2nd NOVEMBER:
9.30 p.m.—Sports Talk.
SATURDAY, 3rd NOVEMBER:
9 p.m.—Hyam Marks, Cricket.
MONDAY, 5th NOVEMBER:
9 p.m.—Jack CANNOT: Talk on the Stage.
TUESDAY, 6th NOVEMBER:
9 p.m.—Hyam Marks, Cricket.
WEDNESDAY, 7th NOVEMBER:
8 p.m.—Address by Prime Minister (Mr. Bruce) from Sydney Town Hall.
THURSDAY, 8th NOVEMBER:
4 p.m.—Jack CANNOT continues his Talks on the Stage.

MUSIC—COMEDY—DRAMA

FRIDAY, 2nd NOVEMBER:
8.20 p.m.—Ad and Jenny Cree in Sketches.
SATURDAY, 3rd NOVEMBER:
9 p.m.—Round the Camp Fire: Atmospheric Sketch by Upton Brown.
SUNDAY, 4th NOVEMBER:
8.30 p.m.—Arthur Aldridge, Tenor.
MONDAY, 5th NOVEMBER:
8.12 p.m.—Foster and Finlay: Musical Memories.
TUESDAY, 6th NOVEMBER:
8.10 p.m.—Metropolitan Band.
WEDNESDAY, 7th NOVEMBER:
8.15 p.m.—St. Quintin Downer, Pianist.
THURSDAY, 8th NOVEMBER:
8.40 p.m.—From Hotel Australia: Cea Morrison's Dance Band.

FRIDAY, 2nd NOVEMBER:
8.30 p.m.—First Appearance of the Manly Intermediate High School Juvenile Military Band, conducted by J. Pheloung.
SATURDAY, 3rd NOVEMBER:
9.37 p.m.—Jack Barnett and Dorothy Dewar, Entertainers.
SUNDAY, 4th NOVEMBER:
8.30 p.m.—Manly Band.
MONDAY, 5th NOVEMBER:
8.10 p.m.—Welsh Choral Society.
TUESDAY, 6th NOVEMBER:
8.20 p.m.—Kathleen Roe, Pianist.
WEDNESDAY, 7th NOVEMBER:
9.50 p.m.—Radio Eisteddfod Semi-Finalists.
THURSDAY, 8th NOVEMBER:
8.37 p.m.—Vinia De Loitte, Musical Competition.

HARRY GRAHAM'S "Snapshot Revue Company has earned many letters of appreciation from 2BL listeners. These revues, with their quick succession of quips, songs, choruses, and sketches, are finding great favor with listeners, as many letters have testified.

THE MANLY INTERMEDIATE High School Juvenile Military Band will make its first appearance under the baton of J. Pheloung at the Dungowan on Friday night, 2nd November. Mr. Pheloung is to be congratulated on his training of this remarkable combination of young musicians, whose work, even at this early stage, is of a high standard. The performance will be broadcast through 2BL.

THE SEVERAL concerts arranged by Mr. Charles Lawrence—at Liverpool, and at the Cafe Dungowan—were much appreciated, both by the seen and the unseen audience. Mr. Lawrence has his own brand of drollery, which one 2FC correspondent neatly describes as "sotto voce" humor. He contrives to laugh at the mid-Victorian classics, at present day sentimentality—and even at himself. He certainly is Sydney's jolly good fellow at entertaining.

THE FIRST of an original Australian entertainment series entitled "Round the Camp Fire," is listed for Saturday, 3rd November. Everybody knows of that typical free-and-easy gathering in the bush after the toil of the day, when pipes are lit and the peace of the bushland comes down. On the fallen leaves, on a handy log, head on a favorite saddle, sprawled in attitudes of comfort, if not elegance, the bushmen sit near the glowing fire and the yarns begin. On Saturday night, 2FC listeners will be drawn into this friendly little circle, through the magic of Mr. V. Upton-Brown, who as "Camp Boss" will tell many favorite Australian yarns and poems. On this occasion, "The Man from Snowy River," by Banjo Paterson, as well as that author's pathetic adventure "Lost," will be told. "When Dacey Rode the Mule" will recall the bush circus, and the redoubtable Bill Bowyang, C. J. Dennis's hero, will tell how he and Bill Smith saw the "Rastlin'." Oh, and one of the girls who has come along from the home-stead with her friends is sure to be asked "to oblige" with one of the old songs so beloved of bush folk. So vivid is Mr. Upton Brown's power of creating "atmosphere" listeners will find themselves joining in the parting melody "Auld Lang Syne."

The Real Reason Why Women Do Not Announce

By GWEN SMITH

(A Female)

NO women announcers? To the best of my knowledge and belief there are no women tram guards, either. It is obvious the female of the species has not yet deemed it worth while to concentrate on a position which so palpably does not require creative ability.

It was entirely unnecessary of Mr. R. E. Corder to offer the explanatory parenthesis "A Male." It would be a mental impossibility for a member of my sex to resort to such puerile arguments against our adaptability to the all important (?) position of radio announcer.

Have you ever sat in a broadcasting studio and watched the wooden routine of the individual whose role you are so arrogantly sure we cannot fill? As a listener, confess it, if the truth is in you, and I doubt it, for all men are li—What I mean is, have you never felt you could hurl a boot at the happily unconscious possessor of the lifeless masculine voice so EMINENTLY suited for broadcasting, which cuts in after a soul stirring musical climax, or the jazziest record ever recorded, with exactly the same inflection.

Has it never dawned on your limited masculine intelligence (this is not intended to be personal: I address you, collectively), that the very lack in broadcasting to-day is something your self-sufficient sex cannot supply? A male announcer has no imagination: he is, mechanically—not emotionally—adaptable. He sits erect at the announcer's table, headphones adjusted, pencil in hand, meticulously noting each item, his poor, cramped, single track mind intent only on the fact that Mr. Mugwump will sing Were a woman in his place, she would keep her physical eye on the next item, while her mind's eye created a vividly imaginative picture surrounding the number in progress. The fact that she would be wondering idly the while where Miss Brown bought the extremely becoming frock she has on (without being catty enough to conjecture how much she paid for it) instantly forms a bond of sympathy, and Miss Brown sings all the better for it.

I scorn your frivolous suggestion that a woman's temperament would overwhelm her sense of proportion. Her intuitive sense, her susceptibility to atmosphere, her easily quickened sympathies would impart warmth and color to the leaden monotony of the present routine which you lords of creation are inherently incapable of.

An answer to Mr. R. E. Corder's article in the last issue from a lady contributor, who broadcasts regularly from 2FC. It is expected that an immediate exodus of radio announcers will take place on publication

You would frighten me with a goodly string of Universities essential to the education of the announcer, but I would point out, without malice, that Harvard, Yale, Oxford, Cambridge or any other palace of learning cannot guarantee to turn out the well modulated pronunciation acquired only with practice. No better tongue than a woman's could negotiate 'Tschaikowsky' without making it sound something between a cough and a sneeze. I endeavor to cultivate a broad outlook: to be BIG in all things. But I cannot resist a reference to a gentleman apparently possessing ALL the qualifications necessary to successful announcing, who despite his University backing, brought out "super-FLOO-ous" in all its naked horror. I might mention so many listeners died of shock, he had to be put painlessly out of the way.

As for the matter of impromptu description, again I descend to a covert sneer. What of the announcer who described the arrival of the fliers when they landed at Mascot after the epic trip from America. Seething excitement: coherent thought, articulate utterance utterly impossible. Unhappy man! Swamped in his own emotions, he jerked out: "They're nearly here—nearly here—by the watch on my CLOCK, STUDIO TIME IS NOW!"

And now I'm going to put it right up to you, Mr. R. E. Corder. When it comes to broadcasting, our crest is a radio set rampant, above a field of aerials: our motto is 'they knew what they wanted.' Give ME the chance—and I'm a fairly representative specimen of my sex—to run a broadcasting programme, just for one night—and I'll show you whether we 'have the goods.'

Tests in Big Radio Eisteddfod

WORKING to a time table which moved with machine like precision, the first competitors were heard last week, in the Radio Eisteddfod which is being conducted by the New South Wales Broadcasting Company Limited.

The vocal sections were set down for the morning, and the instrumental for the afternoon. The microphone was placed on the stage in Paling's Concert Hall, and the adjudicator listened on head phones in a room adjoining. Over one hundred artists were heard on the first morning of the trials.

Mr. A. S. Cochrane, the "Hello Man" at 2FC Service, adjudicated in the section for children—27a and 27b—and his genial presence did much to dispel their very evident nervousness.

The manner in which the preliminaries were conducted—the most difficult stage of the Eisteddfod—speaks well for the meticulous care exercised in the execution of the tremendous amount of detail work.

The entry under section 19—Brass or Military Bands—did not warrant continuing the section. Apart from the fact that the Eisteddfod did not meet with the approval of the Band Association of N.S.W., with which most of the instrumental combinations are affiliated, a big entry could hardly be expected in this section, as the following bands have been broadcasting through the services operated by this company regularly. This list includes the principal "A" Class Bands:

Commonwealth Band.
Bondi Beach Concert Band.
N.S.W. Tramway Band.
N.S.W. State Military Band.
Congress Band.
Mosman Municipal Band.
Leichhardt District Band.
Randwick Municipal Band.
Manly Band.
Metropolitan Band.
North Sydney Tramway Band.
Ashfield District Band.
Canterbury Band.

WHEN USING fixed condensers of high breakdown capacity, such as those for motors, giving an output of 240 volts, the condensers should be capable of withstanding a test voltage of 1,000 volts D.C. Faradon condensers are recommended for this purpose.

3LO Service

What's in the Air

DURING the Education Hour, at 3LO, on Thursday, November 8, the Reverend William Bottomley will speak on Johan Bojer's powerfully-written book, "The Power of a Lie."

CONTINUING his trip round America, Professor R. J. A. Berry, F.R.G.S., of the University of Melbourne, will give a breezy discourse on "American Hotels," from 3LO, on Monday, November 5.

ST. MARK'S Choristers, who have frequently been heard from 3LO, will give another short recital on Monday, November 5, and have chosen "What a Friend" (by special request), "Lift Thine Eyes," from Elijah, with "Cherry Ripe" for their selections.

LILIAN GAY, who has just returned from a tour with the 1928 Williamson-Melba Grand Opera Co., will be broadcasting from 3LO on November 7. Possessing a beautiful soprano voice, Miss Gay has done much good work in a remarkably short space of time.

THOSE WHO LIKE typically English music will look forward with pleasurable anticipation to the organ recital, given by C. E. Monteath, F.R.C.O., from St. Peter's Church, on November 5. His programme of excerpts from the incidental music to "A Midsummer Night's Dream" will include "The Fairies March," "Noc-turne," and "Wedding March."

MR. REG. BROWN, whose piano solos and accompaniments have been a feature of broadcasting programmes for the last two months, will be heard, from 3LO, on November 5, in a short recital from the works of Grieg. He is most popular with Community singers, and commenced his career at the age of ten, when he was a successful competitor in the South Street and A.N.A. competitions.



Clever patter characterises the work of Archie and Wattie, who will commence a season at 3LO during the first week in November.

UNDER THE auspices of the Department of Agriculture, Mr. E. T. Beruldsen, Irrigation Field Officer to the Department, will speak, from 3LO, on November 7, taking for his subject, "Irrigated Agriculture, in relation to Pasture Management."

ON NOVEMBER 5, a talk will be given, under the direction of the Department of Agriculture, by Mr. J. S. England, Apiary Inspector, on "The Diseases of Bees." When it is remembered that, apart from the many "whole time" apiarists in the Commonwealth, the majority of farmers keep a hive or so of bees, as a profitable side-line, it will be seen that this talk will have a wide interest.

FEW PEOPLE are more welcome at 3LO than Captain Donald MacLean, who will be heard from the studio on November 8, in a further budget of stories of Pirate Chiefs and their thrilling adventures. His previous series of talks on this subject have proved amazingly popular, and have entertained boys of all ages from six to sixty, for no matter what the age, the spirit of romance and adventure dies hard, and, after all, one is never too old to enjoy stories of the days when ships laden with ill-gotten gains, sailed the Spanish Main.

HAVE YOU HEARD Archie and Wattie cross-questioning each other, at 3LO? If not, you have missed something, and must tune in the next time they are programmed to broadcast. Their lengthy experience on the English vaudeville stage, when they appeared, with such leading artists as George Robey, Billy Merson, and Sir Harry Lauder, has enabled them to bring their turn to a state of perfection.

GREAT INTEREST attaches to the engagement of Mr. R. H. Campbell, the well-known cricket statistician, who will broadcast a resume of the achievements of the teams, the night before each test is played.

ON FRIDAY, November 9, the first of the Sheffield Shield cricket matches to be held in Melbourne this season will commence, at the Melbourne Cricket Ground. The match will be between Victoria and South Australia, and a full description of the play on the opening day will be broadcast, from 3AR, by Rod McGregor. On the second day, Saturday, November 10, the descriptions will be handled by Mr. McGregor for 3LO, and almost a ball-for-ball description will be given. The only breaks will be to allow of descriptions of the races, at the last day of the V.R.C. Spring meeting, at Flemington.

THOSE MERRY MIRTH MAKERS, "The Humphrey Bishop Comedy Co.," have returned to 3LO after a successful tour, and will commence their broadcasting season on November 5. Their programme is always well balanced, and with operatic selections, ballads, comedy numbers, quartette and glees, contains something to satisfy the demands of the most exacting.

NOVEMBER 6—being Cup Day—special programmes have been arranged at 3LO, which will include the first act of the successful musical play, "The Desert Song." The vocal numbers of this play are among the most tuneful that have been heard for years, and country listeners will doubtless appreciate the fact that, by means of the wireless, they are enabled to hear Melbourne's latest and most fascinating musical play.

UNDER THE TITLE of the "New Arabian Nights," Professor Ian Maxwell, M.A., Lecturer in English Literature for the University, will give a most entertaining and instructive talk, on a collection of short stories from the pen of the popular author, H. G. Wells. Professor Maxwell has made a judicious selection from the wide range at his disposal, and the thousands of admirers of Wells, who have laughed over the adventures of "Kipps" and "Mr. Polly," may look forward to a most enjoyable time.

AN INTERESTING newcomer to 3LO is Madame Minnie Waugh, who will be making her debut before the microphone early in November. Madame Waugh has been before the Australian public for many years, sang for the Melbourne Philharmonic when she was sixteen, and undertook leading solo work for all choral societies. She completed her studies in England under Sir Frederick Bridge, afterwards joining the Carl Rosa Opera Company, with whom she remained for two years, returning to Australia to sing in "Elijah" with the Melbourne Philharmonic.

SIGNOR CHARLES ULIVI, whose operatic numbers are so much appreciated from 3LO, is a past graduate of the Conservatorium of Naples, and has been associated with such world-famous operatic singers as Galli Curci, Lombardi, and Zinetti. He has appeared at the Grand Opera House, Naples, and, for several consecutive seasons, at the Metropolitan Opera House, New York. He came to Australia as a member of the Melba-Williamson Opera Co., and has delighted scores of listeners to 2FC and 3LO, with his rich baritone voice.

Extracts from 3LO's Programmes

SUNDAY, NOVEMBER 4:

11 a.m.—Morning service from Wesley Church.

7 p.m.—Evening service, from St. Paul's Cathedral.

9 p.m.—Edward Goll, piano.

MONDAY, NOVEMBER 5:

3.7 p.m.—Reg. Brown, piano.

4.10 p.m.—Organ recital by C. E. Monteath.

8.1 p.m.—Humphrey Bishop Company.

TUESDAY, NOVEMBER 6:

3.19 p.m.—Description of Melbourne Cup, by Eric Welch.

8 p.m.—First act of Desert Song.

9.54 p.m.—Captain Donald MacLean, Pirates.

WEDNESDAY, NOVEMBER 7:

3.4 p.m.—Archie and Whattie, entertainers.

9.24 p.m.—Professor Berry, "Good-bye to New York."

10.22 p.m.—Eric Welch: To-morrow's races.

THURSDAY, NOVEMBER 8:

Afternoon description of V.R.C. races by Eric Welch.

3.52 p.m.—Charles Ulivi, baritone.

Night.—Radi-o-Aces: Dance session.

FRIDAY, NOVEMBER 9:

11.5 a.m.—Domina, "Journalism for Women."

3 p.m.—Minnie Waugh, soprano.

8.15 p.m.—A radio riot, Humphrey Bishop Company.

SATURDAY, NOVEMBER 10:

Afternoon.—Description of Sheffield Shield Cricket Match.

8.50 p.m.—Eric Welch: The stadium event.

10.15 p.m.—Imperial Russian Trio.

3LO CUP WEEK FIXTURES

WITH the Melbourne Cup, to be run at Flemington on Tuesday, November 6, it can be depended upon that 3LO will make special preparation for an interesting series of descriptions, from the famous race-course. As the Melbourne Cup is the greatest race in Australia, the ordinary time allotted to the broadcasting of a race will be extended. The task of describing the race will be entrusted to Eric Welch, 3LO's Special Sporting Commissioner.

This year will be the occasion of the 68th Melbourne Cup, the race having been run first in 1861. It has been won by many famous horses; in fact, the winning of a Melbourne Cup is sufficient to make a horse famous; but it is surprising that only one horse has won the race twice, and that was Archer, who won the first two Melbourne Cups. He must have been a remarkable horse, as he won, first with 9.7, and the next year with 10.2. He and Carbine are the only two horses who have won with more than 10st., but Carbine's was an even better performance, as he won with 10.5, in 1890. That was the first of the £10,000 Melbourne Cups. Almost as good a performance was that of Poitrel, who won in 1920, carrying 10st. From its inception, the race has been run over two miles, and the record for the race is shared by Windbag and Spearfelt, who ran the distance in 3.22½, which time is also the Australasian record for the distance. The veteran jockey, R. Lewis, holds the riding record for the race, as he has ridden four winners. His last win was last year, on the three-year-old, Trivalve. It is a coincidence that three of Lewis' wins have been on three-year-olds, his other winner being The Victory, who was a four-year-old. The three-year-olds on which Lewis won were Patrobas, Artilleryman, and Trivalve.

FOR THOSE who are interested in racing, the week, ending November 10, will be full of good things for listeners to 3LO. During that week, Eric Welch will describe four race meetings—three at Flemington, and one at Williamstown. On the Thursday, there will be a very interesting programme, one of the races being the V.R.C. Oaks. The V.R.C. Spring meeting will be brought to a close on Saturday, November 10, when the Victoria Steeplechase will be run, over the same distance as the Grand National Steeplechase. Another interesting race on that day will be the C. B. Fisher Plate, a weight-for-age race, which will be run over a mile and a half. Sandwiched between Oaks Day and Steeplechase Day, at Flemington, will be the opening day of the Williamstown Cup meeting, on the Friday. Mr. Welch's selections for each day's racing will be broadcast during the news session, the night before each meeting, and he will be on the air soon after 11 a.m.

ON THE MONDAY and Wednesday of Melbourne Cup week, the Victorian Trotting and Racing Association will take the opportunity of running two important races, one at Richmond, and one at Ascot. The first will be the Trotting Thousand, at Richmond, and the Ascot Thousand, for all heights. The results of these races will be broadcast from 3LO as soon as they come to hand.

ACCEPTANCES for Oaks Day, at Flemington, will be declared at 8 o'clock on the night of the Melbourne Cup, and acceptances for the fourth day will be declared at the same time on the night of the Oaks. Arrangements have been made by 3LO to broadcast the acceptances as soon as possible after they are declared.

The Servicing of Receiving Sets

A Problem Confronting The Radio Trader

By Ray Dio

THE word service has been an over worked word for a year or so; its origin (in the application now in mind) led to much licence being taken with its use. Every commercial organisation said it existed merely for "service to the public," and many and varied were the forms of the practical application of the new coined verb "to service." It was natural that we should find it springing up in connection with broadcasting. Apart from the real service of a station like 3LO, Melbourne, or any other broadcasting station, there is another form of service which is important. It is the attention paid by the wireless trader to the set he has sold.

Traders who are in earnest with their claims as to giving service have an excellent opportunity for demonstrating their bonafides, and, to their credit, it must be admitted that there are some reputable houses giving every service to listeners. What is meant by service to listeners or servicing sets? It is the interest the trader takes in the set he has sold—after it has been sold. Unfortunately, as in many other businesses, many wireless traders regard their obligations to the purchaser as ceasing once the purchased article has been delivered. Such an attitude is fair and reasonable in a grocery or drapery business, or in some forms of public utility businesses, but in wireless it is different.

The broadcasting industry is still in its infancy, if one may use the hackneyed expression, and its stability and future permanence depend largely on the manner in which all concerned attend to the nourishment of the infant. The Government has its part to play in collecting the revenue from all users of the service, and in taking steps to prevent or stamp out interference with reception; the broadcasters have the major part of putting on programmes that will be attractive to existing and new listeners; and the manufacturers and retailers of listening equipment have a big part to play in connection with the equipment they display for listeners.

It is not sufficient to design and make first class receiving sets. Many such sets are sold to people who do not get from them the results they are promised or are entitled to expect. It is decidedly not in the interests of the trader, or of the trade as a whole, to have a good receiver giving bad

results or a listener not being satisfied with the quality of service obtained from his receiver.

It may or may not be the trader's fault, but one is aware of some cases where the trader decidedly is to blame, the trader has not "given service." The purchaser of a set frequently, almost invariably, is not competent to judge for himself if the equipment he is purchasing will give satisfaction. It is of the utmost importance that the trader should advise the purchaser properly the location in which the set is to be operated; the local conditions concerning electric power, earth connection, aerial system and possibilities of interference with reception as well as the skill of the person who is to use the set should be ascertained before a set is sold. Only in that way can a trader safely suggest the right type of receiver to use. Having done that and sold the set, particularly if it is a high priced set, the trader should make it his business to ascertain later how the set is working. In that way "service" of real value can be given; and it will be a service to the whole industry.



"Uncle" Jack Prentice, who, it is reported, is joining the announcing staff of 2UW. "Uncle" Jack was originally with 2BL, retiring to join the N.Z. Broadcasting Co., in their early days. He returned from N.Z. some time ago and has not since been heard on the air.

Further Overseas Reports of Congress Transmission

FURTHER reports are to hand from the United States, England, India and New Zealand and other countries, regarding the amazing reception of the overseas broadcast of the 29th International Eucharistic Congress through Amalgamated Wireless experimental station 2ME.

Hundreds of experimenters from every part of the United States write with enthusiasm of the wonderful short-wave transmission effected by the new 20 k.w. transmitter. The Mass and Benediction, the sermons and hymns from the Cathedral were received at many stations at loudspeaker strength with excellent modulation and practically no fading. Experimenters state that it was louder than some of the largest American broadcasting stations, while a correspondent in Washington considers that the signals were a good deal louder than the British broadcasting station 5SW, Chelmsford, England. The amazement of most of the correspondents at tuning in Australia so clearly and at such volume is reflected in their letters, inasmuch as many state that they wish verification, as their friends are sceptical of the reception of the Sydney Eucharistic broadcast.

The American broadcast station WMAK successfully rebroadcast the Congress proceedings, and the "Courier Express," Buffalo, commented on the rebroadcast as follows:—"... practically every word spoken in the rebroadcast of four addresses by Dignitaries of the Catholic Church was heard and at times the signal was so pronounced and clear that it seemed as if it were coming from a local station instead of travelling over approximately 10,000 miles."

In New Zealand the transmissions were rebroadcast by 2YA and an extract from a Wellington newspaper states:—"... the rebroadcast by 2YA of the Men's Night at the Show Ground, Sydney, was practically flawless. The sermon, benediction and hymns could be heard with extraordinary clarity and volume even with the smallest crystal set in and around Wellington."

The church services were also received very clearly in India.

In the Programmes at 3AR, Melbourne

New Features

THE GRAND Masonic Choral Service, arranged by the 1925 Masters' Association, will take place at the Theatre Royal, Melbourne, on Sunday afternoon, November 4, at 2.45 and will be broadcast by 3AR.

IN THEIR programme at 3AR on Wednesday, November 7, the Brunswick City Band will undertake an ambitious number entitled, "In a Persian Garden." It is a scenic intermezzo by that great composer of band numbers Ketelby and the solo work in it will be the main feature.

ON WEDNESDAY, November 7, a programme of miscellaneous mirth and melody will be broadcast by the "Radio Merrymakers" under the direction of Graham Burgin. The programme is to be in the nature of a "pleasant surprise," and listeners may be assured of a most enjoyable quarter of an hour.

ON THURSDAY, November 8, the Victorian Railways Institute Dramatic Society will produce at 3AR the dramatic playlet, "Bread," by Professor Eastman. "Bread" is an American drama dealing with modern life on a small farm. There are six characters in the play, but the greatest interest revolves around the blind daughter of the farmer.

VERA THOMPSON, whose very fine soprano voice has delighted many listeners to 3AR, is an artist who has found the wireless a very real outlet for her talent, as owing to spinal weakness she is unable to accept engagements that would necessitate her appearance on the public platform, but seated in her chair before the microphone, listeners are able to enjoy the rich beauty of her voice. In addition to her singing she is a painter of much ability, and devotes her time between training to some very promising pupils and her broadcasting work.

MISS VERA BUCK, official accompanist and solo pianist at 3AR, has made a special study of accompanying vocalists with the piano. But it must not be thought that she has neglected her study of solo numbers. Those who have listened to the few solos which she has played so far will realise that, and they will be pleased to know that during the week ending November 10 she has been programmed for more solos. At 10.44 on the night of Friday, November 9, she will play a varied programme concluding with the first movement of Beethoven's Sonata in F Minor.

Extracts from 3AR's Programmes

SUNDAY, NOVEMBER 4:

11 a.m.—Pioneer service at St. James' Old Cathedral.

8 p.m.—Grand Masonic Choral Service.

8.40 p.m.—May Broderick, piano.

MONDAY, NOVEMBER 5:

11.50 a.m.—Rita Hilton, comedienne. Afternoon.—Description of cricket, England v. Victoria.

9.25 p.m.—One-act play, "Convict 803."

TUESDAY, NOVEMBER 6:

5 p.m.—Sonora recital.

Night.—Radi-o-Aces: Dance programme.

9.42 p.m.—Minnie Waugh, soprano.

WEDNESDAY, NOVEMBER 7:

11.15 a.m.—Archie and Wattie: Whimsicalities.

9.2 p.m.—Brunswick City Band: "In a Persian Garden."

9.47 p.m.—Charles Ulivi, baritone.

THURSDAY, NOVEMBER 8:

12.48 p.m.—Vera Thompson, soprano.

9.10 p.m.—Railway Institute Dramatic Society.

9.55 p.m.—Imperial Russian Trio.

FRIDAY, NOVEMBER 9:

12.44 p.m.—Victor Harding, bass.

8.15 p.m.—Community Singing from Geelong.

10.44 p.m.—Vera Buck, piano.

SATURDAY, NOVEMBER 10:

3 p.m.—Station Orchestra.

9 p.m.—Sundowners' Quartette.

9.46 p.m.—Organ recital by C. E. Monteath.

FRESH FROM his success with the Melba-Williamson Opera Company, Charles Ulivi comes to 3AR to entertain listeners with excerpts from the operas, as well as with other works. Signor Ulivi was associated with Dame Nellie Melba in the matinee performance at His Majesty's Theatre recently, and he scored a triumph with his singing.

SPECIAL INTEREST attaches to the morning service held at St. James' Old Cathedral, on Sunday, November 4, for it is the Annual Pioneer Service, originally inaugurated for the early pioneer residents in Melbourne. On this occasion the sermon will be preached by Archbishop Lees, who has just returned from England, and appropriate music including the "Hallelujah Chorus" will be rendered by the choir.

ANOTHER DANCE night will be provided by the Radi-o-Aces from 3AR on Tuesday night, November 6. As this is Cup Night, there are sure to be a number of gatherings for which the dance music will be very welcome. Since this series of programmes has been introduced into 3AR's programmes many appreciative letters have been received from all over the State saying how popular they are with dancers.

Late 3LO Notes

ANOTHER PLEASING musical interlude will be given from 3LO, by Arthur Davidson and his Mandolians, on November 10. This clever band of instrumentalists has become very popular with listeners, and their programme of Neapolitan music, artistically rendered on Spanish guitars, mandolin, banjo and mandocello, is always greatly enjoyed.

ERIC JONES, fresh from his triumphs at Ballarat, will be singing from 3LO on Monday, November 5. In addition to carrying off the Grand Vocal Championship, he was winner of the prize offered by the Welsh Delegation, which thus enables him to enter the final test, held by the Delegation for the purpose of selecting the vocalist to accompany them on the trip to Great Britain.

A SEASON of wrestling, full of surprises and thrills, is rapidly coming to an end, and about Melbourne Cup week we should see the end of the Melbourne matches, until next season. For that reason, great interest will be displayed in the closing matches. On Saturday, November 10, Eric Welch will describe the event at the Stadium, and that will probably be the last of the wrestling matches.

VICTOR BAXTER, the promising young Australian tenor, from whom great things are expected, is a great favorite among listeners to 3LO. At present he is studying with Otto Sobell, and is preparing to go abroad early in the coming year to continue his studies in Paris and London. He is broadcasting again on November 8, and will be heard in "Come to the Fair" and "I Hear a Thrush at Eve."

IN THESE DAYS, when the question of diet looms conspicuously on the horizon of the majority of people, the talk, from 3LO, by Dr. Featonby, of the Health Department, on "Vitamines," will meet the unspoken requirements of a great many people. The relative value of food, with regard to health, will be discussed, and specimen diets, giving tables showing the number of vitamins contained in staple foods, will be broadcast.

Radio Possibilities.

We publish below a statement received from the "father of broadcasting in U.S.A.," Mr. H. P. Davis, chairman of the Board of Directors of the N.B.C. Mr. Davis, quoting the advance of radio in the U.S.A. during recent years, believes that there is no limit to its future and gives some exciting forecasts.

ALTHOUGH the radio industry has had the most amazing growth of any industry in history, the ground has scarcely been scratched and even more wonderful advances and possibilities are at hand. That, in substance, was the keynote of an address on "Radio's Relation to Electric Light and Power," delivered before the American Electric Light Association recently by H. P. Davis, vice-president of the Westinghouse Electric and Manufacturing Company, chairman of the Board of Directors of National Broadcasting Company of U.S.A., and known as "the father of radio broadcasting."

"Starting in 1920 from a lone broadcasting station—KDKA of Pittsburgh—in eight years the spectacular industry of radio has grown with a rapidity that staggers the imagination," Mr. Davis said. "It is an accomplishment that only the genius of this age could achieve."

"The radio industry in U.S.A. alone gives employment to 320,000 people. Prior to the start of KDKA the sales of radio merchandise were less than half a million pounds annually. In 1927 they were approximately a million pounds. In seven years, therefore, a business of half a billion pounds has been created."

"About 10,000,000 of the 28,000,000 homes in the United States are equipped with receiving sets. There are 694 broadcasting stations and about 40,000,000 broadcast listeners in the United States."

"Such has been the increase in the radio industry in the United States. It has been the most remarkable achievement in the industrial history of the world, and should furnish a sufficient answer, if such is necessary, as to the permanence of radio."

"In spite of this amazing development, we, who take an active part in the industry, believe the ground has hardly been scratched and even more wonderful advances and possibilities are at hand."

"Radio is one hundred per cent. electric power consuming, and as such

is of great importance to power companies. It has changed the habits of people to the extent that the average retiring hour in the city, formerly regarded as 10 o'clock, to-day is 11 o'clock and probably later, and in the country the average retiring time is 10 o'clock, rather than 'when the chickens go to roost,' as formerly. This change has resulted in a greatly increased use of electric lighting service, and thus radio has been the means of greatly increasing power consumption."

"As a broadcasting service, radio opens up to the power company an avenue of most intimate approach and enlightenment with the consumers. Radio broadcasting is especially effective because it forces an appeal to logic. It provides no opportunity for the spellbinder."

"The use and development of radio broadcasting by the public utilities is a contribution they owe to the industry. It is my understanding that one progressive public utility now broadcasts the proceedings of its board of directors, thus permitting all its customers and security holders to have a most direct knowledge of its affairs."

"What does the future hold for radio? For one thing, television. While our radio brings us only sound to-day, in our laboratories sight transmission is an accomplished fact. It only remains now to reduce it to a practical form to make it available to the public."

"Talking 'movies' in the home is also just around the corner. At the start, this device will be actuated through the use of individual film records; later, as a service of the broadcasting stations."

"Apparatus is now developed in practical form whereby a message or picture can be transmitted in facsimile form, in other words, as a typewritten page or picture. This is an entirely new and revolutionary system of telegraphic communication."

"This agency opens up other avenues whose development can be far-reaching. I conceive it possible, when combined with the Televox, to arrange a device for use as a broadcast re-

ceiver that will automatically take the message from the broadcasting station in facsimile form, in other words, as a printed communication. Progress in this direction is inevitable; its future is assured and it will bring to the home the panorama of life of the great world outside."

"Perhaps the greatest benefit that may accrue to light and power companies from radio is the improvement of our knowledge of electric phenomena which will enable us to better understand the generation, transmission and control of electric power."

"Undoubtedly many special radio appliances will be developed. These will be for purposes of automatic supervision, automatic control, automatic inspection and sorting, automatic counting, automatic fire protection, automatic synchronisation of machines and many other automatic operations."

"Any forecast of this kind would perhaps be looked upon as incomplete that did not carry some statement concerning the transmission of power without lines, that is, radio power. It would indeed be a foolish person who would undertake to say that this feat will never be accomplished, because in this marvellous art the impossible of to-day becomes the commonplace of to-morrow, and things that now appear insurmountable may melt away in the sunlight of new discoveries that are ever being made."

"Radio is destined to be marvellously far-reaching in all its effects and influences on the electrical industry, and it is extremely difficult to prescribe any limits to the field."

"Now that radio has grown into such a business giant, without perhaps any too much nurturing on the part of the electrical industry, is it not time that we unreservedly acknowledge this offspring, and undertake its development from every point of view? If radio has grown in this short period, in such an exotic way, with so little care and cultivation from its parent industry, what immense possibilities are attainable if the electrical industry as a whole would so acknowledge it."

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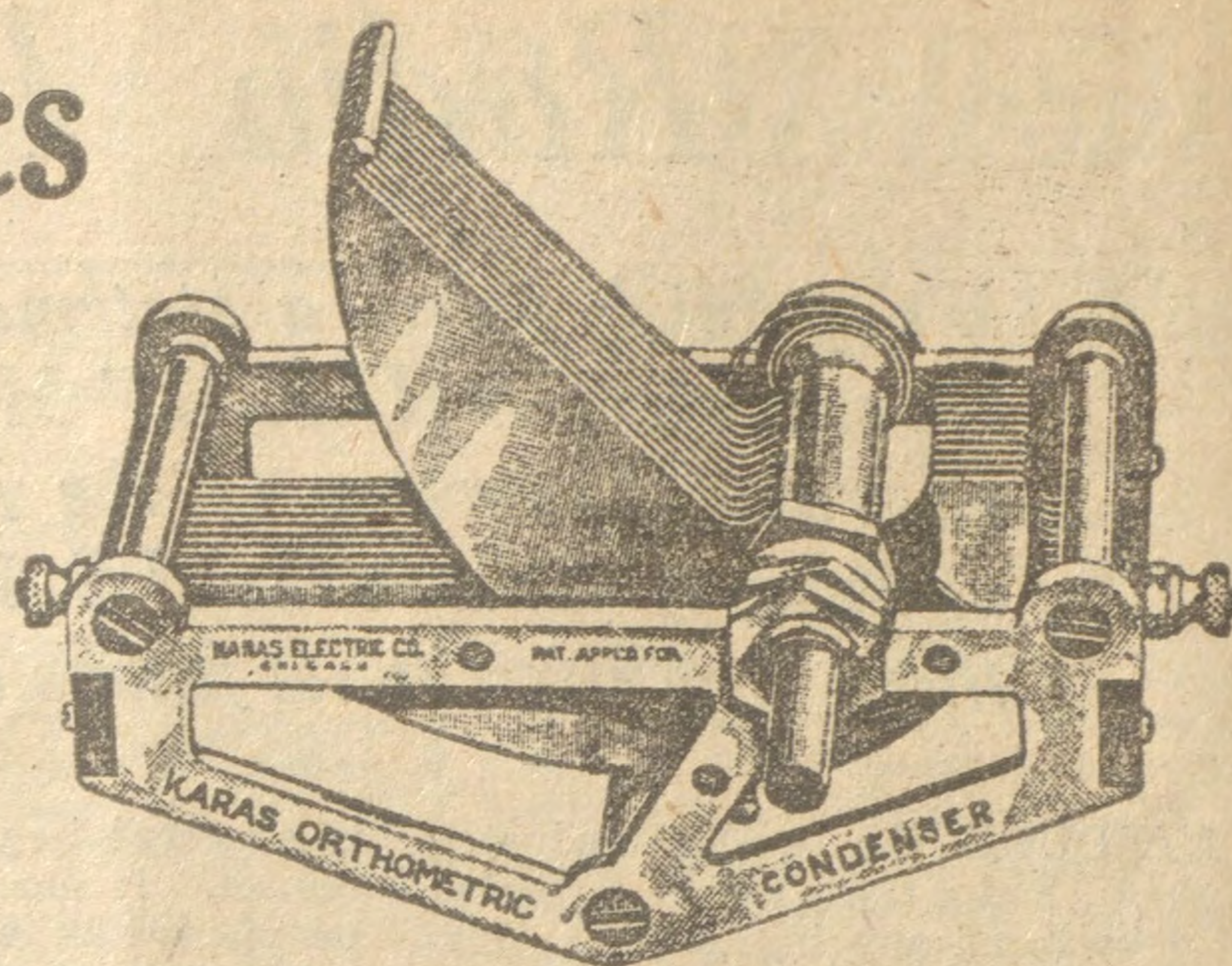
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Due to our two scientific cone bearings, rotor plates turn firmly, but easily, with a liquid-like smoothness: The dielectrics are of the highest quality hard rubber, and are placed outside the effective electrostatic field, eliminating absorption losses.

Results.

Because of the unusual design of this eccentric condenser the vital, harmonic carrying sidebands are fully retained. Resistance has been reduced to an absolute minimum—RESULT—strong powerful signals with full, round, natural tones.



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Well Finished 3/4 in. Plywood Baseboard, 23 x 9 x 3/4	0	2	10
Pilot .0005 Centraline Variable Condensers ..	0	14	6
Pilot .00025 Centraline Variable Condensers ..	0	12	0
Emmco Standard Bakelite Vernier Dials	0	7	6
Best Quality 10 ohm. Rheostat	0	3	6
Radiokes Standard Screening Box	0	15	0
Radiokes Screened Reinartz Coil	1	2	6
Pollock 1000 turn R.F. Choke	0	5	6
A.W.A. Anti-vibration UX Valve Sockets ...	0	3	0
Lewcos Frame Aerial Wire	0	4	0
Philmore 1 and 2 megohm Gridleaks	0	1	0
Wetless Grid Condensers, .00025	0	1	9
Brachstats, C, 2C, B, 2B	0	4	9
2 M.F. Condensers, 1000 Volt, tested	0	7	0
Marconi Osram Screened Grid Valves, S625 ...	1	10	0
Philips' Screened Grid Valve, A442	1	10	0

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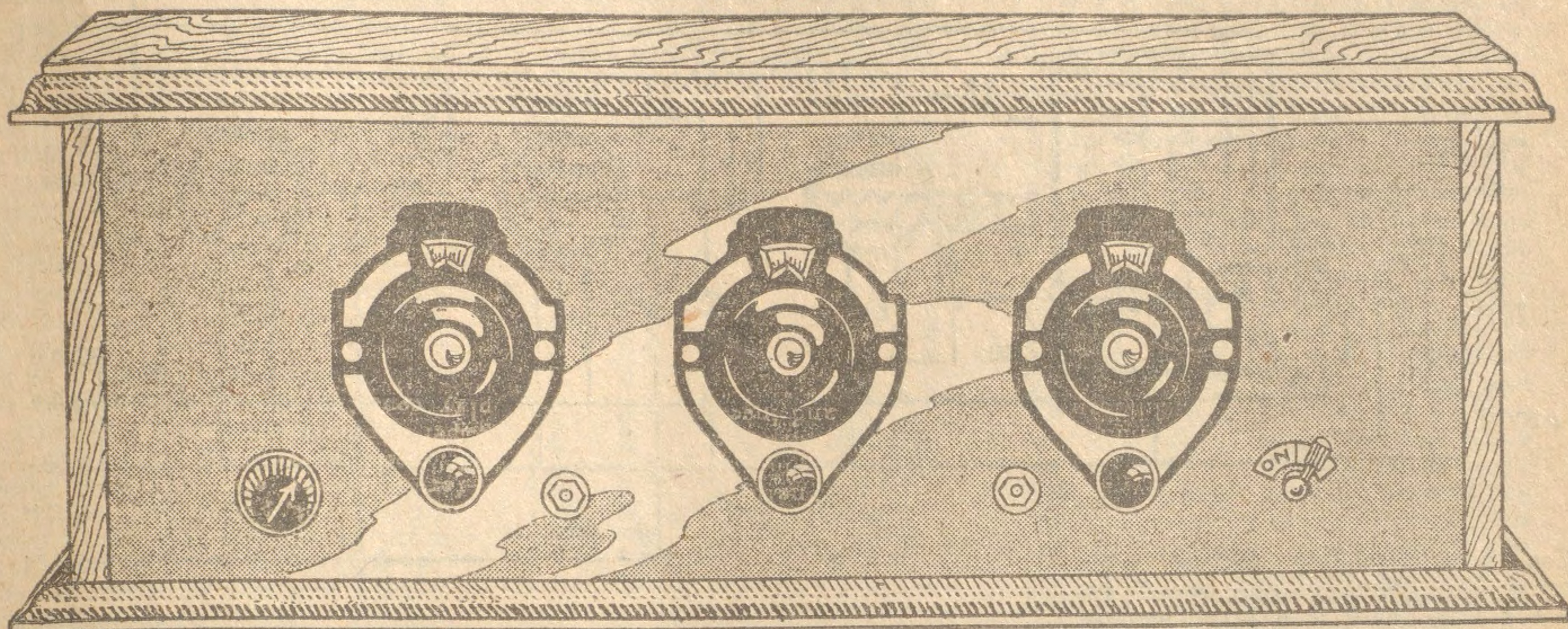
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How to Build the **PHONO-FRAME FOUR.**

Designed to Operate without an Outdoor Aerial and Adapted for Electrical Gramophone Reproduction.

THIS type of receiver is placed before "Wireless Weekly" readers at the correct season of the year. The static fiend is with us daily in increasing intensity—so much so that at times reception of any but a powerful local station is out of the question. Many ingenious devices have been developed by wireless engineers in America and Europe, with claims for the almost complete elimination of the electrical disturbances we know as "static." Probably out of all these devices—only one shows any semblance of justifying the claims put forward, but its use involves an array of imposing electrical and acoustical filters which at once

deter the layman because of constructional complication and financial outlay. It is well known that an underground or buried aerial system is at once a partial solution to the static problem, but Mr. Everyman

cannot go ruthlessly ploughing through Mrs. Everyman's flower beds to lay down 60 feet of wire in drain pipes! An underground aerial system is only truly effective if the earth screening of the wire is complete.

The receiver must be placed conveniently close to the lead in, which in itself must be totally enclosed in conduit. Such a system, if used with a receiver employing a sensitive radio frequency amplifier, will give a signal strength only slightly less than an elevated aerial, with an absolute minimum of static, excepting when a thunderstorm is in the immediate vicinity and lightning discharges are taking place between clouds and earth.

LIST OF PARTS FOR THE PHONO-FRAME FOUR.

- 1 Bakelite or Hard Rubber Panel, 24 x 8 x 3-16in.
- 1 Baseboard, 23 x 10 x 1/2in.
- 2 Pilot .0005 Centraline Variable Condensers.
- 1 Pilot .00025 Centraline Variable Condenser.
- 3 Emmco Velmo Vernier Dials.
- 1 .6 ohm. Rheostat.
- 1 Battery Switch.
- 1 Double or Three Circuit Jack.
- 1 Single Circuit Jack.
- 1 Radiokes Standard Screening Box.
- 1 Radiokes Screened Reinartz Coil.
- 1 Radiokes or Wetless R.F. Choke.
- 3 UX Anti-Vibration Valve Sockets.
- 3 2 mfd. T.C.C. or Mansbridge Blocking Condensers.
- 1 .01 mfd. T.C.C. or Mansbridge Blocking Condenser.

1 .006 Sangamo, Electrad, or Wetless Condenser.

3 Amperites or Brachstats.

1 .00025 Grid Condenser.

2 2 meg. Mullard Resistors, with Clips.

1 250,000 ohm. Mullard Resistances, with clips.

1 50,000 ohm. Mullard Resistances, with clips.

1 1 meg. Mullard Resistances, with clips.

1 150,000 ohm. Mullard Resistance, with clips.

11 Terminals.

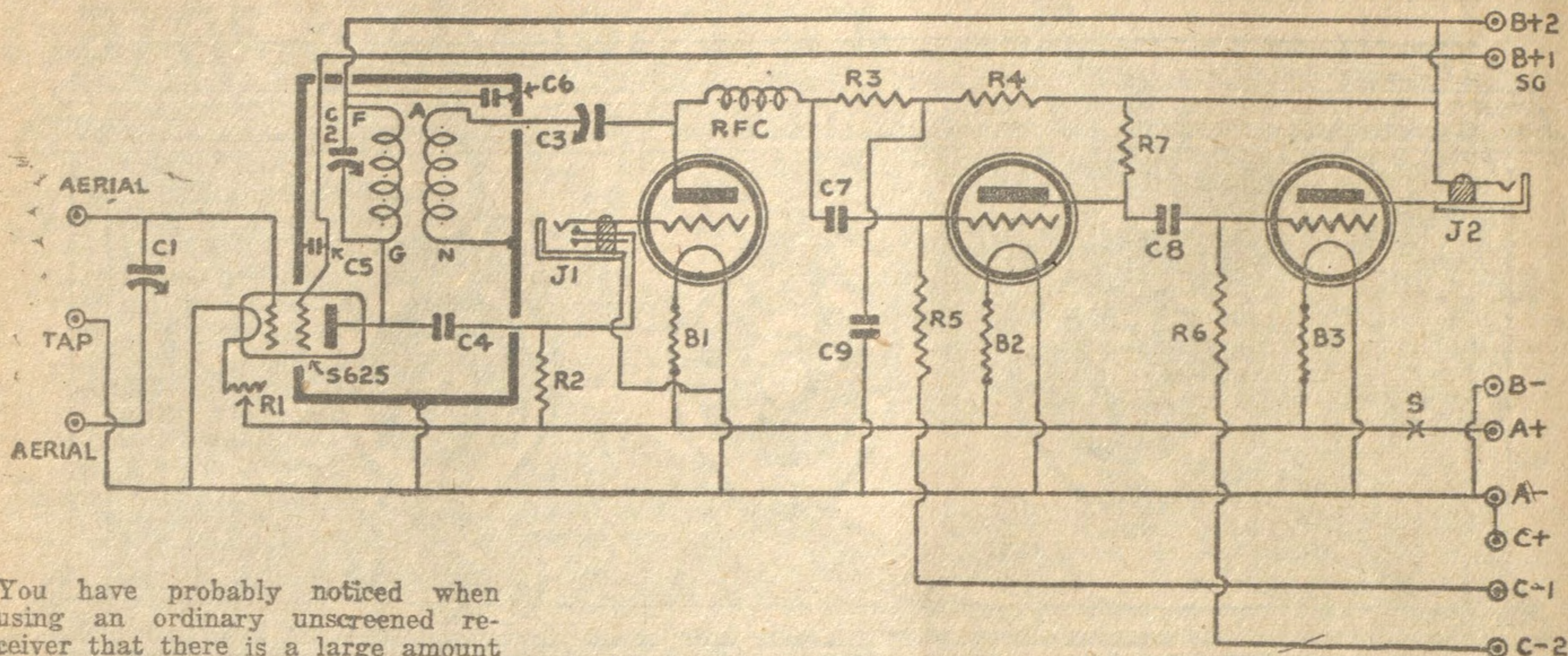
1 Reel Lewcos Frame Aerial Wire.

Valves Recommended:—

1 Marconi or Osram S625, or Philips A442, or two "Six-Sixty" SS610P, 1 SS6075RC, 1 Philips A630, 1-B605.

Wiring used, Chromax, Glazite or Celatsite.

Solder, Flux, Wood Screws, etc.



You have probably noticed when using an ordinary unscreened receiver that there is a large amount of direct "pick-up" in the tuning coils themselves, and that in most cases the local stations may be heard at good volume with the aerial and earth disconnected. If the static disturbance is heavy with the aerial system connected, it almost entirely disappears, when using the receiver alone for local reception. The structure of the building has a certain amount of screening property which reduces the static noise level almost to zero. Distant stations are, however, usually very weak, as the set is not capable of obtaining enough energy "pick-up" from the distant carrier waves. If we alter the design of the tuning coil in the aerial or first radio frequency stage and keep its inductance value the same, but give it more area—we are able to obtain distant reception with an intensity very little short of the average outdoor aerial—and the static interruption is not very noticeable in comparison. Hence we have the frame or loop aerial. This form of aerial has other advantages. It is compact and makes for simplicity in the complete installation—and it is directional. By rotating it we are able to obtain the maximum strength from the incoming signal when the plane of the frame is pointing in the direction of the station. Frame aeriels have been in use generally for a long period—but the great improvement in the design of valves and other components

makes it possible to do with four valves, what required five or six valves to accomplish a year ago. It is due to the vast improvement of valves that long and unsightly outdoor aeriels are disappearing, and the frame is taking their place. The Phono-frame Four is a receiver which operates from a frame aerial, gives the best possible reproduction—and is in addition provided with an intermediate Jack for the use of the audio amplifier for home gramophone reproduction. The gramophone "pick-up" is simply plugged in here and you have the advantage of what may be called a "Radio-Gramo" set. Before going into the details of the Phono-frame Four it is necessary to explain that any existing frame aerial designed for the broadcast band of wavelengths may be used by simply providing it with a centre-tap. The selectivity of a receiver operated from a frame aerial depends particularly on the directional properties of the frame. In theory, any signals coming from such a direction that the waves strike the plane of the frame windings "broadside on" will have very little effect upon the receiver. This means that interference from that direction may be ruled out. The response should be sharply defined from any station when the frame windings are pointed end on so that one particular programme may

be favored by putting the frame in the right direction. Figure 1. will illustrate the meaning of this explanation. The frame aerial is wound with 12 turns of loop wire and tapped at the 6th turn. The Phono-frame Four is a receiver which is highly sensitive and thereby makes the fullest use of the frame aerial. The R.F. amplification is obtained by the use of a screen grid valve of the Marconi or Osram S625. A grid leak detector is followed by two stages of resistance

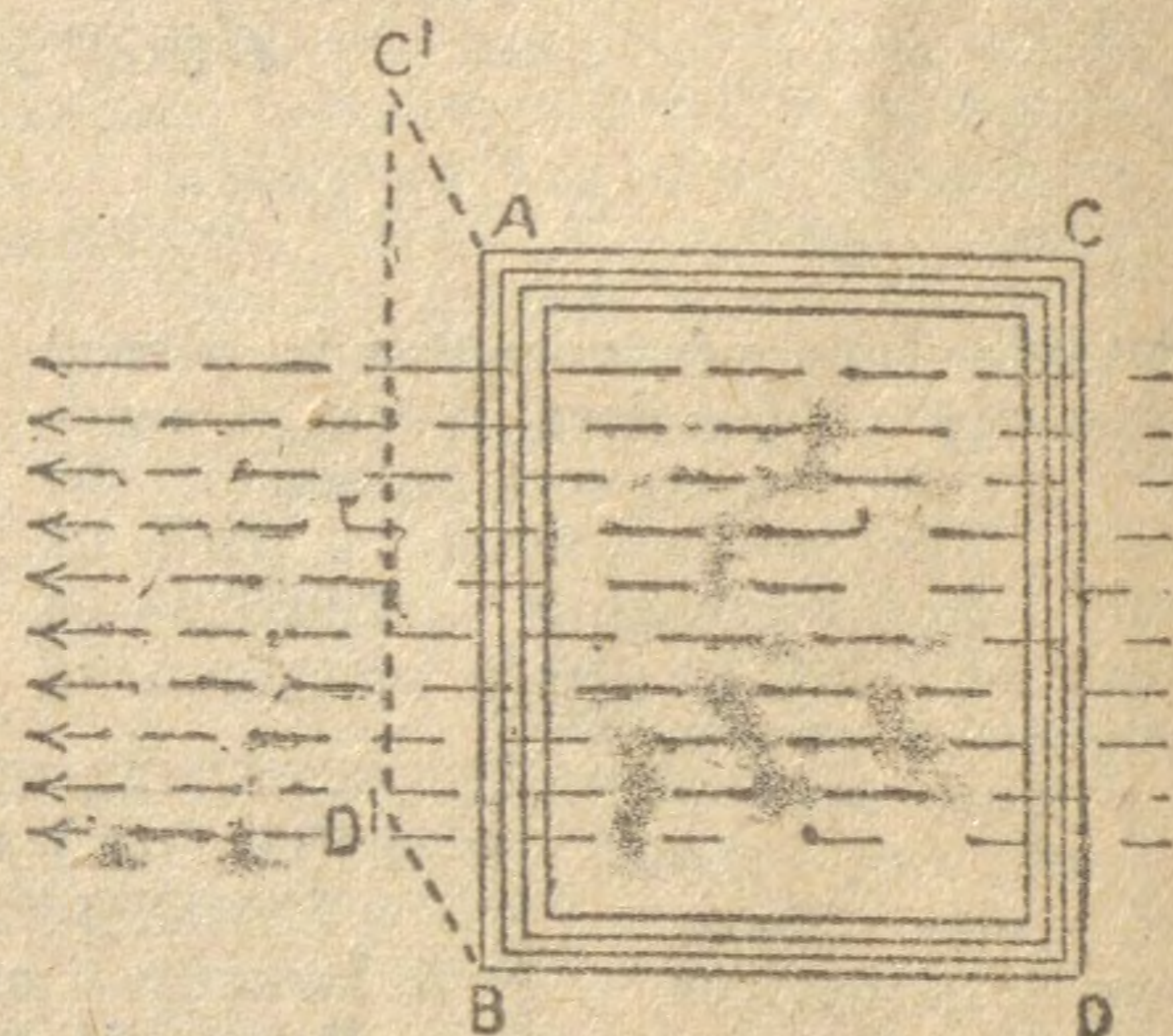
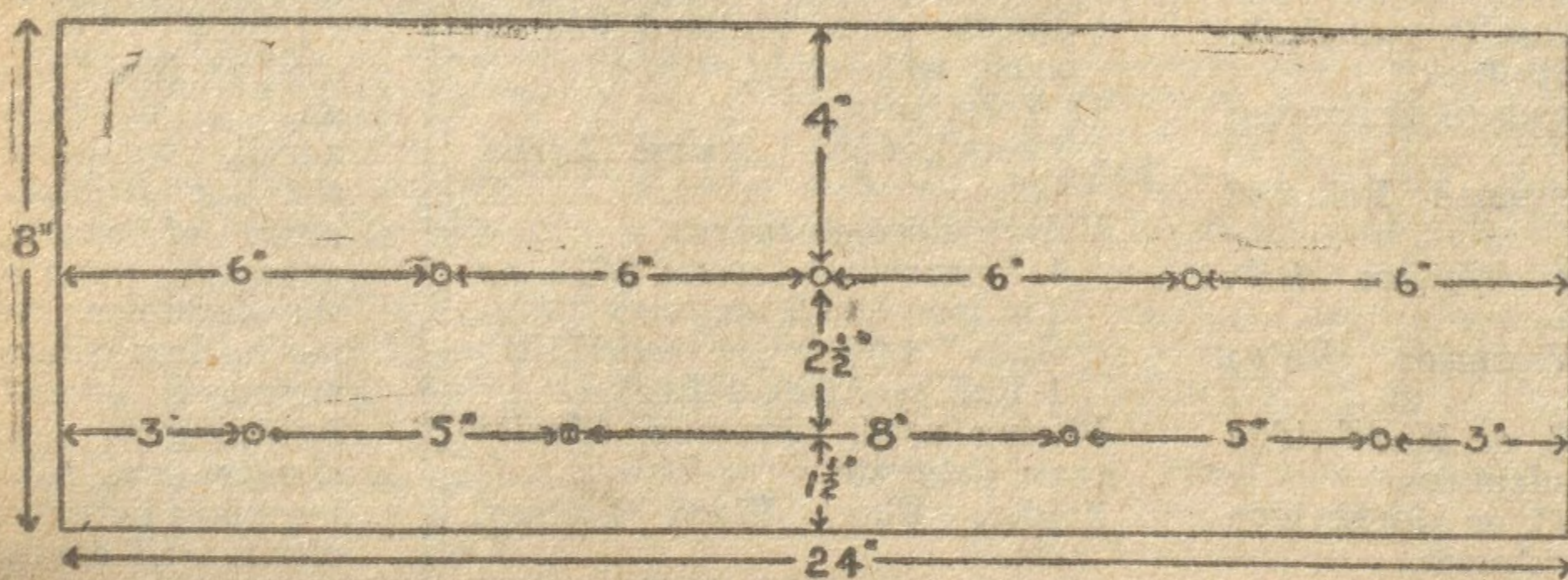
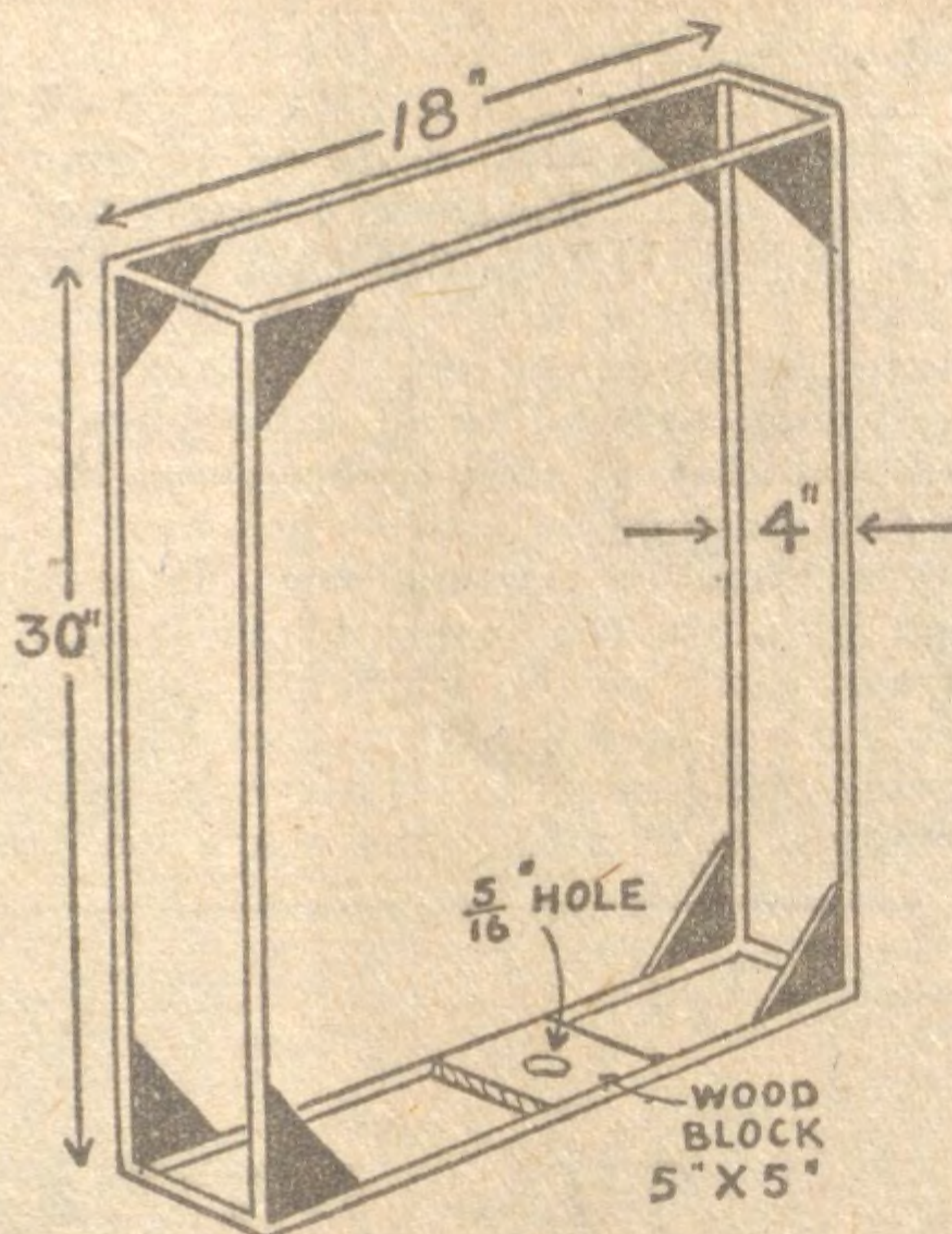


Fig. 1

capacity coupled audio amplification. The radio frequency stage is completely screened by a metal box. This is one of the Radiokes standard screening boxes, and is particularly suitable for the purpose. The advantage of the Radiokes box over the average home constructed box is that the former is collapsible, thus facilitating the assembly of the components. In the first audio stage—a 2 mfd. T.C.C. or Mansbridge condenser may be by-passed from the B positive to the negative and is very effective as a prevention for that annoying feature of some audio-amplifiers described as "motor-boating." If the "balance" of the amplifier is correct—this should not develop. For the coupling between the R.F. and Detector valves, a Radiokes' screened Reinartz coil is used—inside



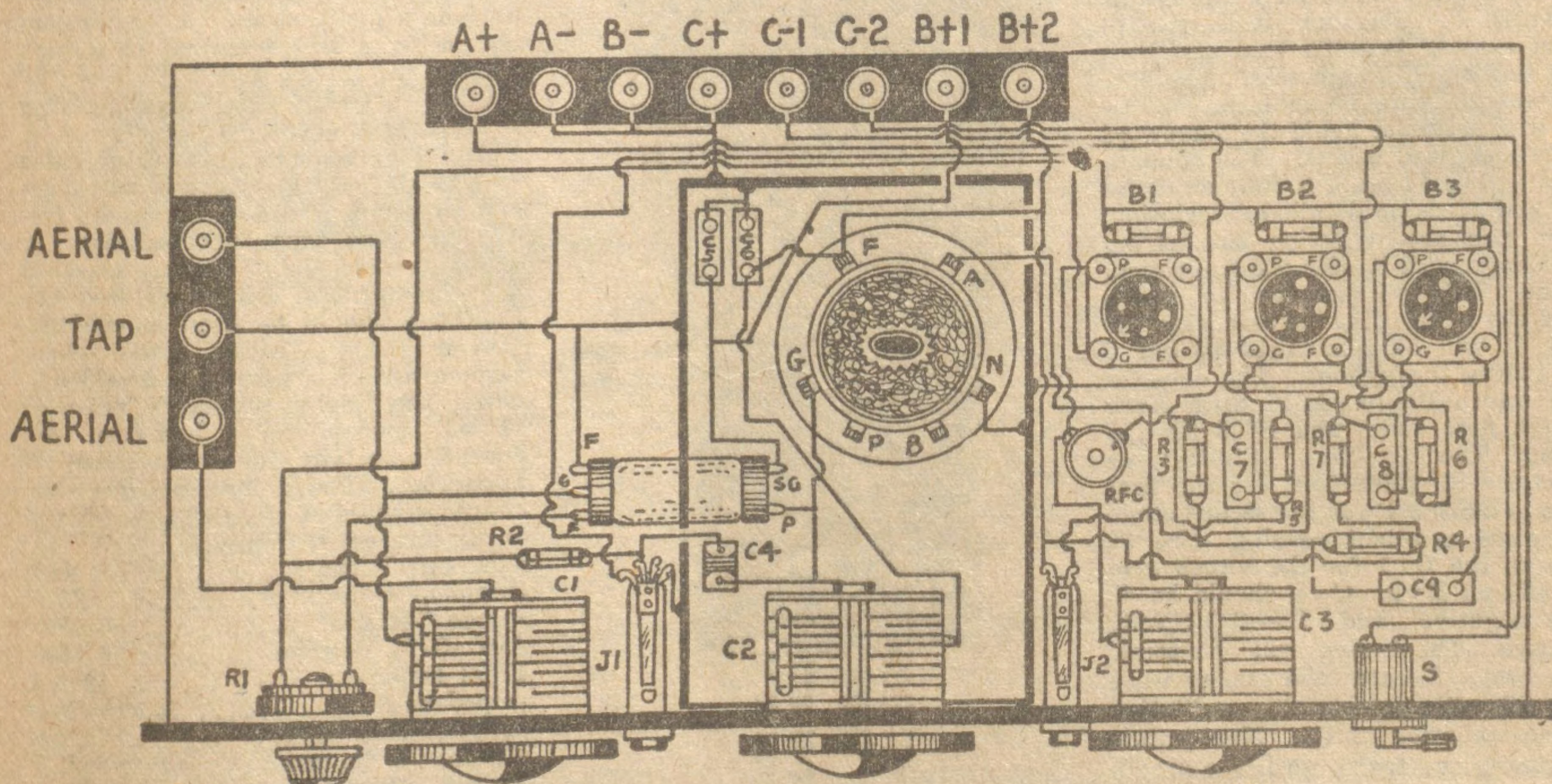
the screening box. This gives a double measure of safety in eliminating inter-action between the circuits. This standard Radiokes Reinartz unit is used with the connections to the primary or aerial coil ignored. The point to point wiring diagram will make this quite clear. The terminals used are those marked G, F, A and N. Terminals P and B are the ones unused. This coil unit is employed in the Phono-frame Four as a tuned anode coupling with reaction. A few short months ago tuned anode coupling for R.F. amplifiers was looked upon as a back number—for 3 electrode valves! The screen grid valve has given it a new lease of life, and it is the only efficient method of coupling this valve—excepting in the case of the 1928 Solodyne. In the Phono-frame Four, the anode coil is tuned by a .0005 variable condenser, inside the screening box, and reaction is controlled by a .00025 variable condenser outside the box. The other components inside the box are the .00025 mfd. grid condenser C4, and two 2 mfd. by-pass condensers C5 and C6. The detector valve has placed in the grid circuit a jack for the inclusion of an electrical "pick-up" when the set is required for a gramophone work. The jack is shown as a double circuit jack with one inner contact unused, so that it should be obvious a 3 circuit jack will suffice. If you wish to bias the detector valve for this work, simply include a small battery in series with the pick-up. A Radiokes or Wetless R.F. choke does its duty in the plate circuit of the detector by preventing R.F. leakage to the audio amplifier—which would cause instability of the amplifier. The resistances used for coupling in the audio amplifier are very interesting.



These are the new Mullard resistances recently placed on the market here. Designed to stand heavy loads—substantial in size and with a rigid clip mounting—they should find innumerable applications in many types of wireless receivers. Your dealer will be able to supply them in practically any required value of resistance. In the first audio amplifier R3 is 250,000 ohms and R5 2 megohms. The coupling condenser C7 has a capacity of .006 and should be of a good make. "Sangamo" was used in the original. R7 in the second stage is 150,000 ohms; R6 1 megohm and C8 a .01 T.C.C. or Mansbridge condenser.

The resistance R4 has a value of 50,000 ohms and is an "extra" in the circuit, being associated with the 2 mfd. by-pass condenser C9 as a "motor-boat" stopper.

* Now to get on with the construction. You will need a panel of Bakelite or hard rubber measuring 24 x 8 x 3-16 in. and a baseboard 23 x 10 x 3/4 in. Before mounting the two, it is advisable to stain the baseboard with mahogany or walnut varnish. Not only does it look better but serves to protect the wood from moisture. The drilling diagram shows the positions for the panel controls. C1, 2, and 3 are the variable condensers—controlled by the new EMMCO "Velmo" vernier dials. These new vernier dials are a pleasure to use and are aptly named "Velmo." They are perfectly machined and smooth running—and when used with the new Pilot Centraline condensers as specified—the combination is excellent. This latest of Pilot productions holds a front rank among the best quality variable condensers. The wise man will buy only the best of variable condensers and rejoice, but the foolish man will use "cheap jack" store rubbish and regret ever after. Under the tuning dials are the two jacks J1 and J2. J1 is for the pick-up when required—and J2 the output for the loud-speaker. The 6 ohm rheostat R1 is located on the left of the panel. This controls the filament temperature of the S625. The detector and audio valves are kept at the correct filament potential in the most convenient way by the use of Amperite or Brachstat resistors. Whereas in some cases a variable rheostat is desirable for a detector, it is normally unnecessary for an audio amplifier. It should be understood that other screen grid valves than the S625 type may be used. If the Philips A442 is used, it will require a voltage drop resistor of 15 ohms in the A negative side of the



filament. This also applies to the UX222. Shortly there will be available various makes of 2 volt screen grid valves. These will be of Osram, Cossor and Mullard manufacture, and may be used in any circuit such as this with the proportionate filament control. After having drilled and mounted the panel and baseboard, the parts should be laid out as in the wiring diagram. Note carefully that as the Radiokes box is in the circuit connected to A negative and B negative—the rotor of condenser C2 must be insulated from this. Do this by drilling the correct size hole in the panel for the one hole fixing, and then place the screening box hard up against the back of the panel. Mark the position for the condenser with a scribe, and then remove the box and drill the hole—afterwards enlarging it with a round file or reamer until it is sufficiently large to clear the condenser fixing; 11 terminals are needed for all connections. Three are placed separately on a strip on the left for the frame connections, and the other eight on a strip at the back for battery connections. The wiring of the Phonoframe Four was done with Chromax wire. This wire is 16's tinned copper, with insulation covering of various colours. If all positive leads are done in red—negative in blue—grids in yellow—etc., no confusion will confront the builder should he wish to trace any circuit at a glance. Join together first of all the A—B— and C+ terminals on the back strip, and then proceed with the junctioning of all leads common to this. Deal similarly with the A+. You will always find that the wiring up is simplified by attending to the filament circuits first. Where leads which must be insulated from the screening box have to pass through as shown in the diagram—it is wise to insert a small Bakelite bush and then pass the wire through this. The best of insulated wire is liable to be cut, and it is better to avoid the sorrow of a series of dead valves! The point to point wiring diagram is fully explanatory and needs no detailed description. When you are following the wiring diagram—check it with the theoretical circuit. This will help you to understand the latter. As we are using the S625, it will be convenient to use 6 volt valves throughout. The detector used was a Philips A615, with A630 for the first audio and B605 for the second. The Six-Sixty SS610P as detector with SS6075RC for the first audio and SS610P for the second stage also gave excellent results. Use 80 volts on the B+1 for the screen grid and 120 on B+2. C—1 should be $4\frac{1}{2}$ volts negative and C—2 12 volts negative. The tuning will be found quite easy. Locate the carrier wave with C2 with the circuit oscillating by the variation of C3. Next rotate C1, tuning the frame until the ampli-

fication increases enormously. It may be necessary to take a turn on or off the frame until the dials of C1 and C2 read alike. Rotate the frame until it points in the direction of the station you are listening to for the maximum signal strength. At night time—you will be able to separate 2BL and 3LO without trouble, and the distant stations will be very comfortably audible in the speaker. It is a good plan to use an output transformer, such as the Ferranti, to protect the speaker windings from direct current load and to improve performance generally. There are many

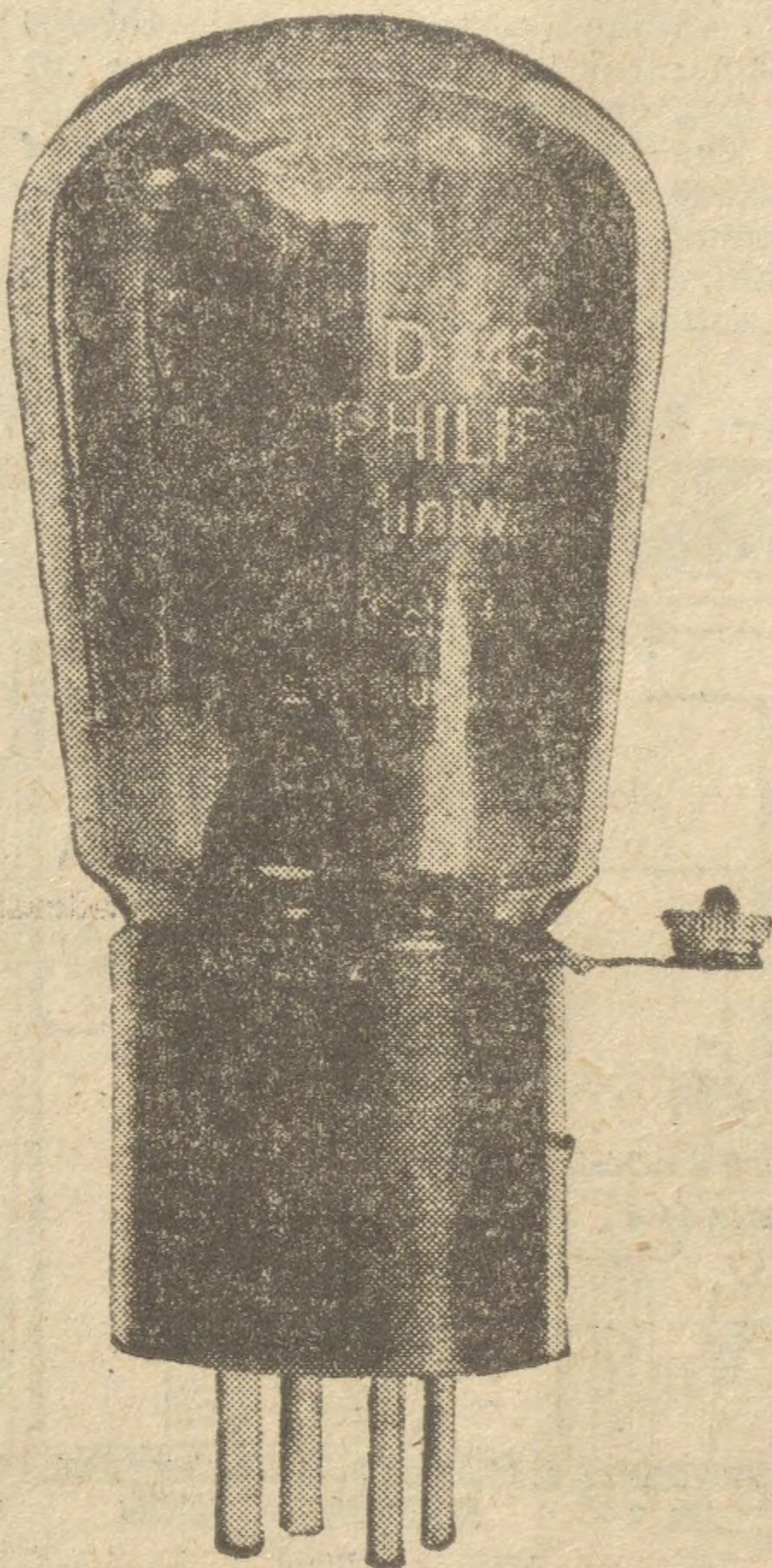
excellent gramophone pick-ups on the market if you wish to make use of the set in this way. Notable among these are the Stromberg-Carlson, Bosch Recreator, Woodruffe, Amplion, Gecophone and Brown, so that one has a host to choose from.

The Phonoframe Four is a versatile receiver—ideal from every point of view. It is easy to construct, and its use will enable the builder to enjoy in comfort through the summer the broadcast programmes with almost complete freedom from that mystery fiend who revels in the name "STATIC."

TRADE NOTES.

The Philips Penthode.

UP till the beginning of this year the radio public looked on a receiving valve as essentially possessing three elements and thus the terms "triode" and receiving tube were synonymous. Accordingly this fraternity was all agog when the screen grid valve was introduced as it possessed four elements, the additional one being, as the name indicates, the screen grid. This tube is designed for use as a radio frequency amplifier and has great possibilities.



Now to even further shake the radio community comes the latest marvel in radio valve design—the Philips Penthode. Reading of it, the average man begins to realise that radio valve design is but in its infancy, and that in the very near future he may see three tube receivers equally and probably bettering the performance of present-day super-heterodynes.

But for the present we will concern ourselves with the Philips Penthode type B443. This remarkable tube is for use as a Power Valve in an audio amplifier. The five elements are made up of the conventional filament, control grid, and plate, with the addition of two extra grids, one of which is internally connected to the centre of the filament and the other brought out to a terminal protruding from the base on a metal strip. A wire is connected from this terminal to a high voltage tap on the Power Unit or "B" battery; between 120-150 volts giving the best results.

Another feature of this valve worthy of emphasis here is its splendid rendition of the higher audio frequencies, the true reproduction of which is essential if REAL music is to be obtained. Where possible, the Penthode should be used in conjunction with the Philips audio transformer and a Philips Loudspeaker—either the "Baby Grand," Junior or "PCJJ" models; for it has been designed especially for these pieces of apparatus. The following are the characteristics of the B443, which will be of interest to many.

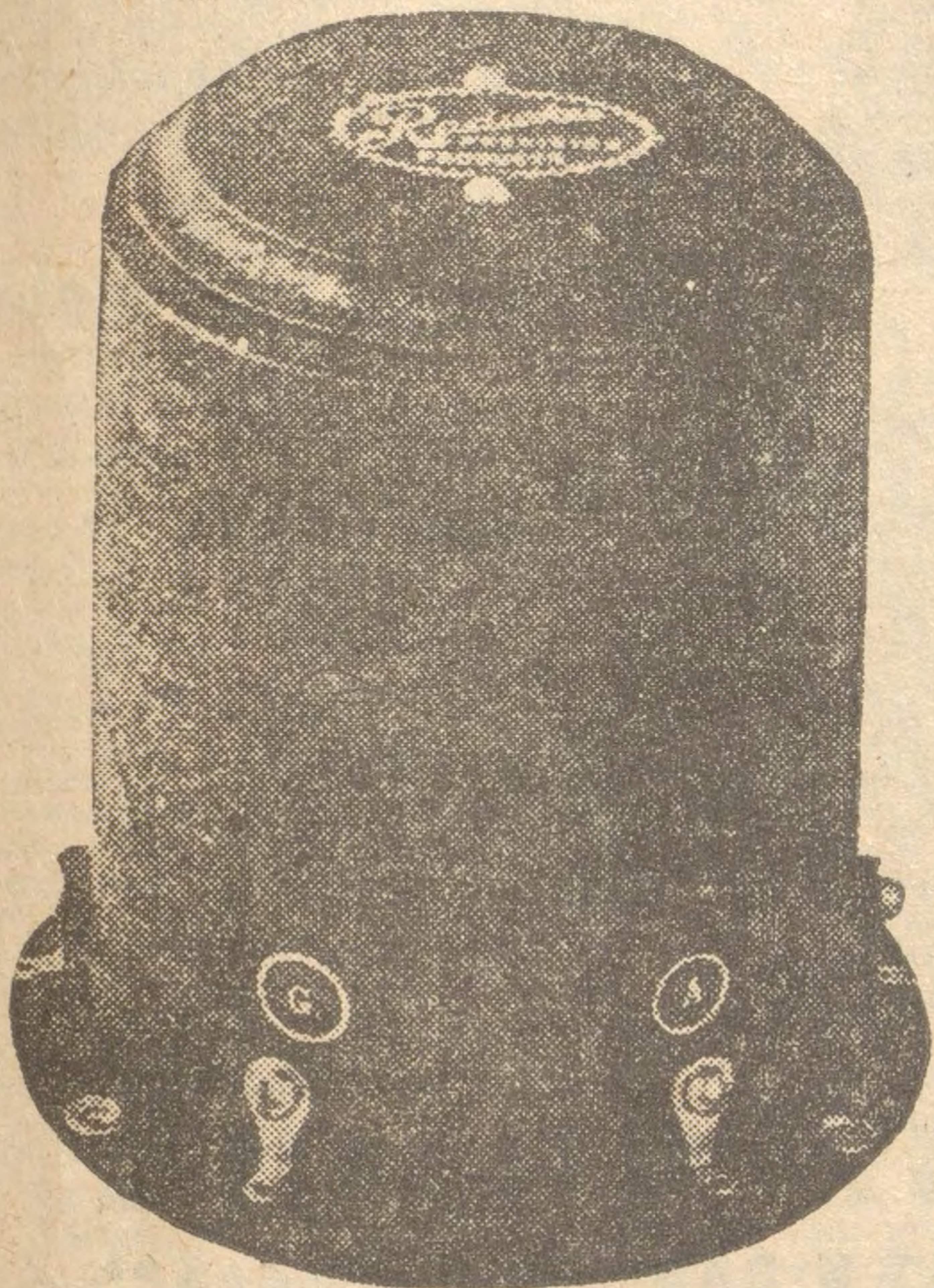
Filament Voltage	4.0V
Filament Current	15 V
Anode Voltage	50-150V
Aux. Grid Voltage	50-150V
Total Emission	50 mA
Impedance	55,000 ohms
Amp. Factor	100
Mutual Conductance (slope)	1.8 mA/V
Normal Anode Current	12mA

RADIOKES Products

Specified for the Phono-Frame Four.

Screen Grid Receiver in this issue include

**Radiokes
Shielded Reinartz Unit,
Radiokes Box Shield,
Radiokes R.F. Chokes,
and Amperite.**



Radiokes Shielded Reinartz Unit is the heart of the Phono Frame Four, and to duplicate the results obtained by this set it is necessary that you employ the parts specified.

Accurately constructed, excellently designed, and beautifully finished.
Price, 24/- each.

Because of the excellence of manufacture, highest quality, correct electrical design and guarantee of satisfaction—the technical staff of this paper once more turn to RADIOKES Products.

These goods have been chosen and recommended for use by all the Radio papers of Australia. These technical men realise that the live organisation behind RADIOKES products are capable of producing coils and Radio Frequency components equal and superior to any obtainable in any part of the world. These units are designed to suit Australian conditions, manufactured by a skilled staff of Australian Workmen and at prices to suit all Australians.

Remember that these products carry Australia's Best-only worth while Guarantee—Unconditional and PERPETUAL.



AMPERITE.

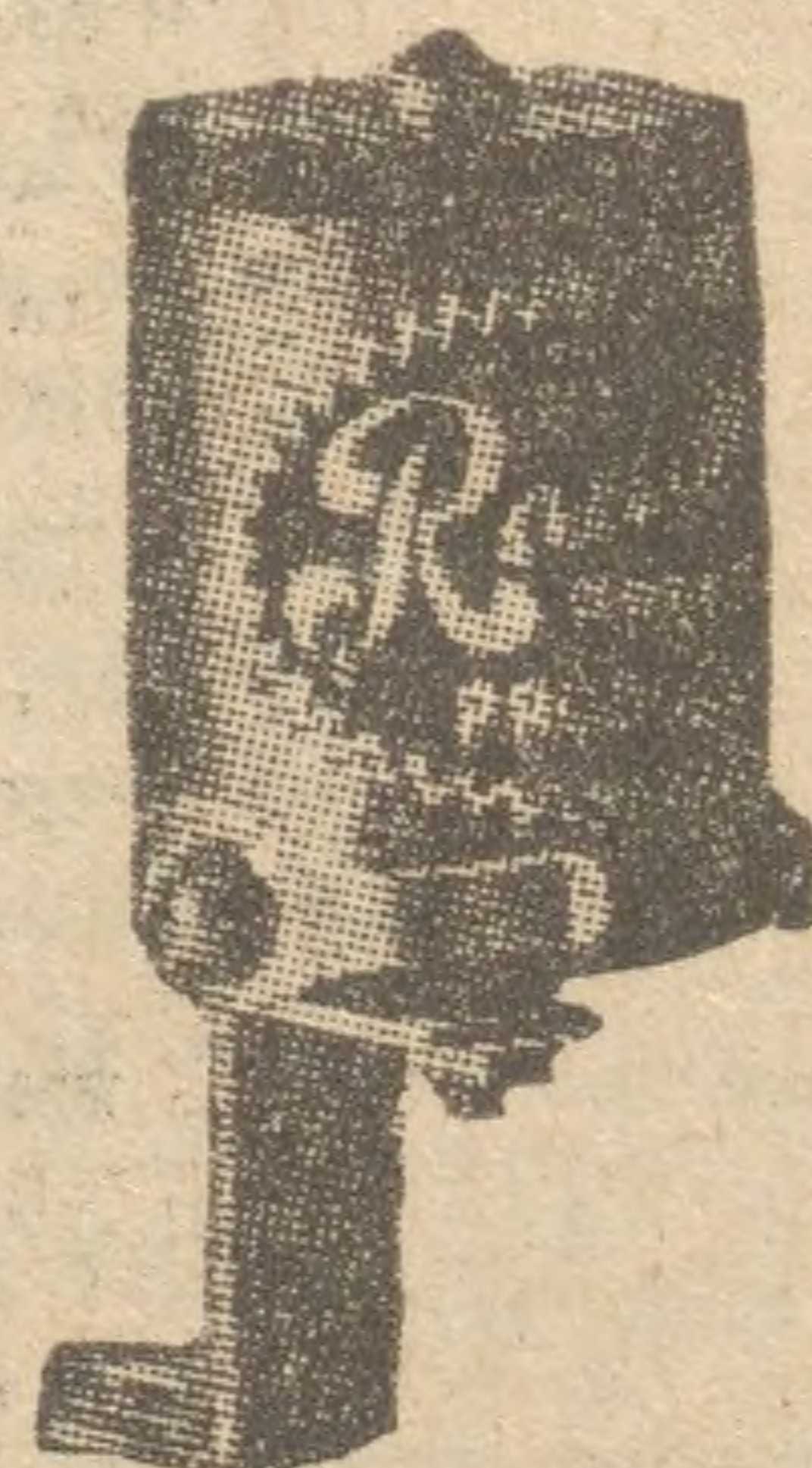
The Self-Adjusting Rheostat. Price, 6/- ea. complete

Amperite is the only self-adjusting Rheostat. Controls filament current correctly; eliminates hand Rheostats; prolongs tube life; simplifies wiring of set; prevents filament burn-outs. Refuse all imitations. No other "just as good."

**RADIOKES R.F.
CHOKES.**

For all services where efficient choking of R.F. currents is necessary. By virtue of excellent construction, they are best for:—Short Wave Work, Screen Grid Circuits, Broadcast Band Operation.

World's Best at 8/6 each

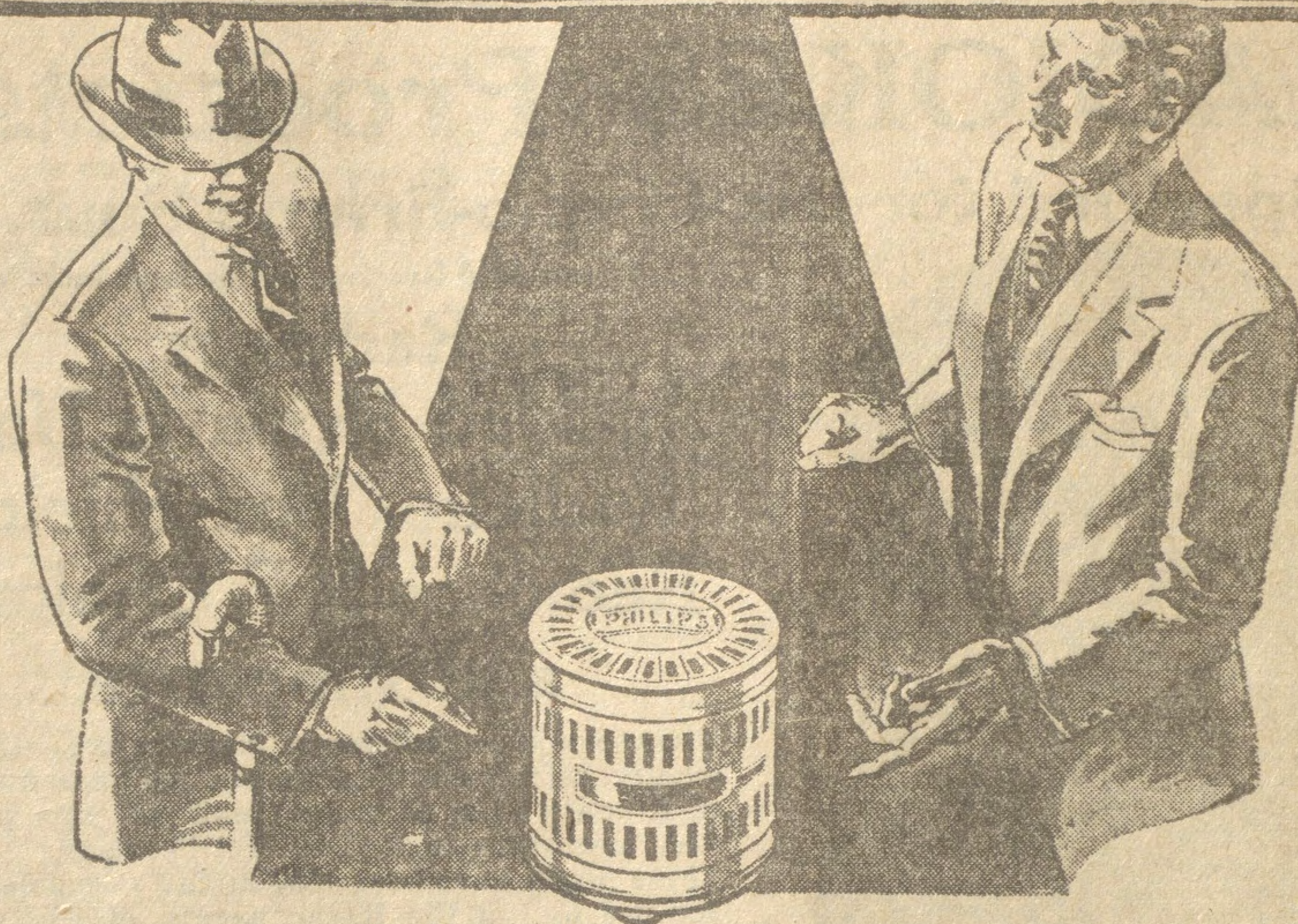


RADIOKES COLLAPSIBLE BOX SHIELDS are ingeniously designed for simple set construction. Robustly and accurately constructed from heavy aluminium and brass, beautifully finished in Black Crystalline lacquer with nickel trim. Standard size, 9in. x 6in. x 5in., and moderately priced at 15/- each.

OBTAINABLE FROM ALL GOOD RADIO DEALERS.

Or direct from

METROPOLITAN ELECTRIC Co. Ltd., 126-130 Sussex Street, SYDNEY.



AND YOU KNOW IT'S CHARGING WHEN YOU SEE THE "BLUE GLOW"

"YES, Sir, it's wonderful the number of people who snap the power switch to their Battery Charger and feel that all is well only to find one day that their accumulator is flat and practically ruined, and all this owing to a fault in the charger. It is to them that half our accumulator sales are made.

"No, it can't happen to this charger for it's a Philips 'Four-Fifty.' When the accumulator's connected up and the power is snapped on a 'Blue Glow' is visible through the ventilating ports, meaning that everything's quite O.K.

"There's lots of other interesting things about the 'Four-Fifty,' Sir, including its dual rates, and if you write to Philips Technical Department they'll send you the fullest information, and give you advice on any point that you would like cleared up.

"But you'll have it now. Yes, it's complete with plugs and cords.

"Wait a minute, please, there's some change to come. You see, it's only 95/-."

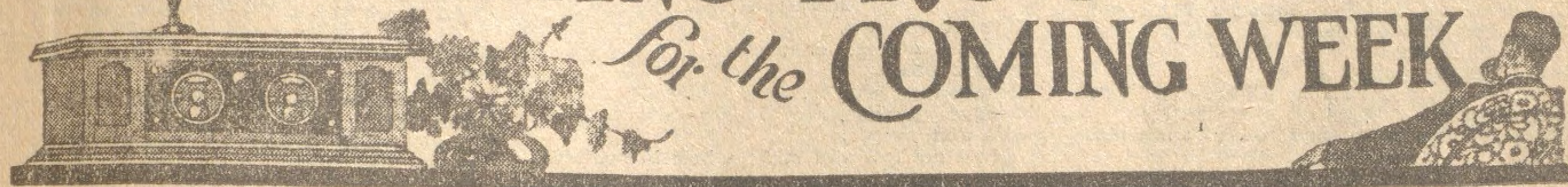
PHILIPS

BATTERY CHARGERS

SR70

BROADCASTING PROGRAMMES

For the COMING WEEK



Friday, November 2

New South Wales Broadcasting Company, Limited.

2FC, SERVICE.

Wave Length, 442 metres.

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.
- 7.5 a.m.—Studio Music.
- 7.20 a.m.—Country Session: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services, river reports.
- 7.25 a.m.—Investment market, mining share market, metal quotations.
- 7.35 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.
- 7.45 a.m.—"Sydney Morning Herald" summary.
- 7.50 a.m.—Studio Music.
- 8 a.m.—"Big Ben." Close down.

MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
- 10.2 a.m.—Pianoforte reproduction.
- 10.10 a.m.—"Sydney Morning Herald" news service.
- 10.25 a.m.—Studio Music.
- 10.45 a.m.—A Talk on Home Cooking and Recipes by Miss Ruth Furst.
- 11 a.m.—"Big Ben."
- A.P.A. and Reuter's Cable Services.
- 11.5 a.m.—Close down.

MIDDAY SESSION.

- 12 noon—"Big Ben" and announcements.
- 12.1 p.m.—Stock Exchange, first call.
- 12.3 p.m.—Official weather forecast, rainfall.
- 12.5 p.m.—Studio Music.
- 12.15 p.m.—Rugby Wireless News.
- 12.18 p.m.—A Reading.
- 12.30 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.—Popular Studio Music.
- 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- 2.30 p.m.—Programme announcements.
- 2.32 p.m.—Educational Session for the Schools: Subject, Adventure—General Topics, interspersed with suitable music.
- 3 p.m.—"Big Ben." Pianoforte reproduction. Note.—During the afternoon scores of the International Cricket Match, England versus Victoria, played at Melbourne, will be transmitted as received.
- 3.15 p.m.—Radio Eisteddfod: Semi-finalists in the Radio Eisteddfod will be heard, drawn from the various sections, including vocal, instrumental and humorous items.
- 3.45 p.m.—MacCunn School of Dramatic Art: One-act Play, under direction of H. W. Varna.
- 4 p.m.—"Big Ben."
- Kathleen Roe, pianoforte solos: "Suite" (Bach).
- Allemande, courante, sarabande, gavotte.
- Bouree, Leure, gigue.

- 4.8 p.m.—John Dumbell, tenor:
 - (a) "Lay my head beneath a Rose" (Kal-kinstein).
 - (b) "Love sends a little gift of Roses" (Grimshaw).
- 4.13 p.m.—MacCunn School of Dramatic Art: One-act Play, under the direction of H. W. Varna.
- 4.28 p.m.—Kathleen Roe, pianoforte solos:
 - (a) "Impromptu, Op. 29" (Chopin).
 - (b) "Shepherd Fennell's Dance" (Balfour Gardiner).
- 4.38 p.m.—The Ambassadors' Dance Orchestra.
- 4.45 p.m.—Stock Exchange, third call.
- 4.47 p.m.—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 Children Session, conducted by the "Hello Man." Letters and stories. Music and entertainment.
- 6.30 p.m.—Dalgety's market reports (wool, wheat and stock).
- 6.40 p.m.—Fruit and vegetable markets.
- 6.43 p.m.—Stock Exchange information.
- 6.45 p.m.—Weather and shipping news.
- 6.48 p.m.—Rugby wireless news.
- 6.50 p.m.—Late sporting news told by the 2FC Racing Commissioner.
- 7 p.m.—Late news service.
- 7.10 p.m.—Dinner music.

NIGHT SESSION.

- 7.40 p.m.—Programme announcements.
- 7.47 p.m.—Pianoforte reproduction.
- 8 p.m.—"Big Ben." The Congress Band.
- 8.15 p.m.—John Reid, Baritone:
 - (a) "I am Fate!" (Hamblen).
 - (b) "Thy Beaming Eyes" (MacDowell).
- 8.22 p.m.—The Congress Band.
- 8.30 p.m.—Daisy Mangan, Soprano:
 - (a) "Chanson Provencale" (Del Acqua).
 - (b) "Pleading" (Elgar).
- 8.38 p.m.—The Congress Band.
- 8.50 p.m.—Ad Cree and Jennie Cree: Scottish Comedy Sketch.
- 9.5 p.m.—Late Weather forecast.
- The New South Wales Broadcasting Company's Orchestra, conducted by Willie Redstone.
- 9.20 p.m.—John Reid, Baritone:
 - (a) "Home-along" (Wilfrid Sanderson).
 - (b) "Old Clothes and Fine Clothes" (Shaw).
- 9.27 p.m.—The N.S.W. Broadcasting Company's Orchestra.
- 9.42 p.m.—Daisy Mangan, Soprano:
 - (a) "From the Tomb of an Unknown Woman" (Bantock).
 - (b) "Gathering Daffodils" (Somervell).
- 9.50 p.m.—The N.S.W. Broadcasting Company's Orchestra.
- 10.5 p.m.—Ad Cree and Jennie Cree: Humorous Song and Story.
- 10.15 p.m.—The N.S.W. Broadcasting Company's Orchestra.
- 10.27 p.m.—To-morrow's programme and late news.
- 10.30 p.m.—National Anthem.
- Close down.

2BL, SERVICE.

Wave Length, 353 Metres.

FRIDAY, 2nd NOVEMBER, 1928.

MORNING SESSION.

- 8 a.m.—G.P.O. Clock and chimes.
- Metropolitan weather report.
- 8.1 a.m.—State weather report.

- 8.2 a.m.—Studio Music.
- 8.15 a.m.—G.P.O. Clock and chimes.
- News from the "Daily Telegraph Pictorial."
- 8.25 a.m.—Studio music.
- 8.30 a.m.—G.P.O. Clock and chimes.
- Studio music.
- 8.35 a.m.—Information, Mails, Shipping, Arrivals, departures and sailings.
- 8.38 a.m.—News from "The Daily Telegraph Pictorial."
- 8.45 a.m.—G.P.O. Clock and chimes.
- Studio music.
- 9 a.m.—G.P.O. Clock and chimes.
- Studio music.
- 9.30 a.m.—A Reading.
- 9.40 a.m.—Studio music.
- 10 a.m.—G.P.O. Clock and chimes.
- Close down.

MIDDAY SESSION.

- 11 a.m.—G.P.O. Clock and chimes.
- Women's Session.
- Talk on "Sport," by Miss Gwen Varley.
- Women's Sports Authority.
- 11.15 a.m.—Talk on Electricity in the Home.
- 11.30 a.m.—Miss Pam, "Recipes and other items of interest."
- 12 noon.—G.P.O. Clock and chimes.
- Special ocean forecast and weather report.
- 12.3 p.m.—Studio music.
- 12.30 p.m.—Shipping and Mails.
- 12.35 p.m.—Market reports.
- 12.48 p.m.—"Sun" midday news service.
- 1 p.m.—Studio music.
- 1.30 p.m.—Talk to children and special entertainment for children in Hospital.
- 2 p.m.—G.P.O. Clock and chimes.
- Close down.

AFTERNOON SESSION.

- Note: Scores from the Match, England v. Victoria, at Melbourne, will be given during the afternoon.
- 3.45 p.m.—G.P.O. Clock and chimes.
- Romano's Restaurant Dance Orchestra under the direction of Mr. Merv. Lyons, broadcast from Romano's.
- 3.55 p.m.—Madame Ada Middenway, contralto:
 - (a) "Far off I hear a lovers flute" (Cadman).
 - (b) "The Turn of the year" (Willeby).
- 4.2 p.m.—Romano's Restaurant Dance Orchestra.
- 4.10 p.m.—"Sun" news service.
- 4.20 p.m.—Mr. William Everard, tenor:
 - (a) "Life is a Riddle" (Messenger).
 - (b) "Mary of Argyle" (Nelson).
- 4.27 p.m.—Miss Zena Jupp, elocutionist:
 - (a) "The New Food" (Leacock).
 - (b) "Education made agreeable" (Leacock).
- 4.34 p.m.—Romano's Restaurant Dance Orchestra.
- 4.45 p.m.—Miss Anne Melhuish, soprano:
- 4.52 p.m.—"Sun" news service.
- 4.55 p.m.—Romano's Restaurant Dance Orchestra.
- 5.5 p.m.—Mr. William Everard:
 - (a) "The Road that brought you to me" (Hamblen).
 - (b) "A Banjo Song" (Homer).
- 5.12 p.m.—Studio music.
- 5.22 p.m.—Miss Anne Melhuish.
- 5.29 p.m.—Studio music.
- 5.40 p.m.—Features of evening's programme.
- 5.42 p.m.—Racing resume.

EARLY EVENING SESSION.

- Announcer J. KNIGHT BARNETT.
- 5.45 p.m.—G.P.O. Clock and chimes.
- Children's Music and entertainment.
- 6 p.m.—Children's letters and stories.

6.30 p.m.—"Sun" news and late sporting.
 6.40 p.m.—Gulbransen Dinner Music.
 7.10 p.m.—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.
 Grain and Fodder report ("Sun.")
 Dairy Produce report ("Sun.")
 7.25 p.m.—Pim and Pam in Advertising Talks and nonsense.
 7.55 p.m.—Programme and other announcements.

EVENING SESSION.

8 p.m.—G.P.O. Clock and chimes.
 2BL Topical Chorus.
 8.3 p.m.—Miss Bertha Waters (Soprano):
 (a) "Flowers of the Desert" (Lohr).
 (b) "Slumber Song" (Gretchaninoff).
 8.10 p.m.—The Wurlitzer Organ, broadcast from the Arcadia Theatre, Chatswood.
 Organist: Mr. N. Robins.
 8.25 p.m.—Resume of following day's programme.
 8.30 p.m.—From the Dungowan, Manly; first appearance of the Manly Intermediate High School Juvenile Military Band. (Conductor, Mr. J. Pheloung.)
 March, "Waldmere" (Losey).
 Gavotte, "Bells of Ruabon" (Greenwood).
 Mr. Clement Q. Williams (Baritone):
 (a) "The Kashmiri Song" (Woodford-Finden).
 (b) "Less than the Dust" (Woodford-Finden).
 Cornet Solo, "Londonderry Air" (Arr. Hawkins).
 (Soloist: Master Jack Kasch).
 Mr. Frank Ryan (Entertainer):
 One Step, "Rip, Rap" (Jenkins).
 Clarinet solo, "Sixth Air Varie" (Brep-sant).
 (Soloist: Mason Brockie).
 Miss Dulcie Starkey (Soprano).
 (a) "The Love Song of Har Dyal" (Batten).
 (b) "Marie Antoinette" (A.L.).
 Galop, "Prince Imperial" (D'Albert).
 9.30 p.m.—From the Studio: Mr. C. Dexter will talk on "The Prospects of Saturday's Races."
 9.45 p.m.—Miss Bertha Waters (Soprano):
 (a) "The Flower Song" (Gounod).
 (b) "Swing low, Sweet Chariot" (Burleigh).
 9.52 p.m.—Radio Eisteddfod: A number of semi-finalists will be heard, drawn from the various sections as follows:
 Choral Section: Choirs drawn from those entering under Section 1, Church Choirs; Section 2, Mixed Choirs; Section 3, Male Choir; Section 4, Female Choir; Section 5, Mixed Quartette; Section 6, Male Quartette.
 Instrumental Section: Semi-finalists from the instrumental section include Section 14, Championship Pianoforte solo; Section 15, Pianoforte solo, under 16 years of age.
 Popular Section: Semi-finalists from the Popular Section include Section 27; Popular Vocalists, Section 28; Comedians, Section 29; Radio Revue and Section 30, Entertainers.
 11 p.m.—Romano's Restaurant Dance Orchestra, under the direction of Mr. Merv. Lyons, broadcast from Romano's. During intervals between dances "Sun" news will be broadcast.
 11.30 p.m.—National Anthem.

3LO, MELBOURNE.

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

FRIDAY, 2nd NOVEMBER, 1928.

EARLY MORNING SESSION.

7.15 a.m.—Morning Melodies.
 7.20 a.m.—Morning Exercises to Music.
 7.30 p.m.—Stock reports. Market reports.
 General news. Shipping. Sporting information.
 8 a.m.—Time Signal. Express train information.
 8.1 a.m.—Morning Melodies.
 8.15 a.m.—Close down.

MORNING SESSION.

11 a.m.—3LO'S CULINARY COUNSELS or How to Create Creature Comforts with a Minimum of Cash.
RECIPE—STUFFED VEGETABLE MARROW.
 1 young marrow.
 A little nuttose or protose.
 Minced onion.
 Brown breadcrumbs.
 Chopped parsley.
 Salt and pepper.
 Peel marrow and make a hole in one side. Scoop out all seeds. Blend all ingredients and fill marrow with the mixture. Put marrow into baking tin with a little water. Cover with oiled paper. Cook in oven till tender, about 1 hour. Lift on hot dish and cut in rings to serve.
 11.5 a.m.—RUPERT E. WOOD, Dietician:
 "General Talk on Food."
 11.20 a.m.—Musical interlude.
 11.25 p.m.—"AU FAIT":
 "What to Wear to the Cup."
 11.40 p.m.—Musical interlude.
 11.45 a.m.—Under the Auspices of the Health Department, DR. VERA SCANTLEBURY:
 "Sunlight and Health."

MIDDAY SESSION.

12 noon.—Melbourne Observatory Time Signal.
 12.1 p.m.—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.
 12.15 p.m.—Newmarket Stock Sales. Special Reports by John McNamara and Co.
 12.20 p.m.—THE STATION ORCHESTRA:
 Suite, "Atlantis" (Lafranck).
 12.30 p.m.—MYRTLE WALSGOTT, Contralto.
 "Moonlight" (Quilter).
 "By the Sea" (Quilter).
 12.27 p.m.—Stock Exchange information.
 12.40 p.m.—BERTHA JORGENSEN, Violin:
 "Prelude" (Saint Saens).
 12.47 p.m.—THE STATION ORCHESTRA:
 "Spanish Serenade" (Friml).
 "Serenade" (Szezwonky).
 12.54 p.m.—MAY DALEY, Soprano:
 "The Last Rose of Summer" (Moore).
 "Meeting of the Waters" (Moore).
 1 p.m.—Melbourne Observatory Time Signal.
 1.1 p.m.—THE STATION ORCHESTRA:
 "Scenes from an Imaginary Ballet" (Coleridge-Taylor).
 1.11 p.m.—MYRTLE WALSGOTT, Contralto:
 "My Resting Place" (Schubert).
 "The Wayside Inn" (Schubert).
 1.18 p.m.—Meteorological information.
 Weather forecast for Victoria, Tasmania, South Australia and New South Wales.
 Ocean Forecasts. River Reports.
 1.25 p.m.—THE STATION ORCHESTRA:
 Overture, "Merry Wives of Windsor."
 1.37 p.m.—MAY DALEY, Soprano:
 Selected.
 "Dan Cupid" (Zucca).
 1.45 p.m.—Close down.

AFTERNOON SESSION.

2.15 p.m.—THE IMPERIAL RUSSIAN TRIO (Arved Norit, Violin; John Berzinsky, Cello; and William Ibster, Piano):
 JOHN BERZINSKY, Cello:
 "Chanson Louis XIII." (Francœur).
 ARVED NORIT, Violin:
 "La plus que lente" (Debussy).
 THE TRIO:
 "Trio F Sharp Minor" (Franck).
 Finale—Allegro maestoso.
 2.30 p.m.—CHARLES ULIVI, Baritone:
 Selected.
 2.37 p.m.—AGNES FORTUNE, Piano:
 Selected.
 2.45 p.m.—OLIVER PEACOCK, Baritone:
 "The Curtain Falls" (d'Hardelot).
 "If Thou Wert Blind" (Johnson).
 2.52 p.m.—THE STATION ORCHESTRA:
 Suite: "Robespierre" (Litolff).
FOR LOVERS OF DICKENS.
 3.2 p.m.—FRANCES FRASER:
 "Gone Astray" (Dickens).

3.17 p.m.—THE STATION ORCHESTRA:
 "Prelude and Nocturne" (Chopin).
 3.27 p.m.—KATHLEEN CASTLES, Mezzo-Soprano:
 "Two Brown Eyes" (Grieg).
 "The First Primrose" (Grieg).
 3.34 p.m.—PERCY CODE, Cornet:
 "Cavatina from Anna Boleyna" (Donizetti).
 3.40 p.m.—THE STATION ORCHESTRA:
 "Cazonetta" (Mendelssohn).
 3.47 p.m.—CHARLES ULIVI, Baritone:
 Selected.
 5.54 p.m.—THE STATION ORCHESTRA:
 Overture: "Mereille" (Gounod).
ORGAN RECITAL.
 4 p.m.—ORGAN RECITAL by C. E. MONT, EATH, F.R.C.O., St. Peter's Church, Eastern Hill, Melbourne.
 "Sonata No. 1 in C Minor" (Rheinberger), 1st Movement.
 "Andante"—String Quartette in F (Haydn).
 "Sketch for the Organ, No. 2 in C" (Schumann).
 "Andante from the Ballet Music"—Rosa-munde (Schubert).
 "Gavotte—Ottio" (Handel).

FROM THE STUDIO.

4.20 p.m.—OLIVER PEACOCK, Baritone:
 "Valley of the Roses" (Haydn Wood).
 "O, Heart of Mine" (Leighter).
 4.27 a.m.—THE STATION ORCHESTRA:
 "Andante No. 2" (Schubert).
 4.34 p.m.—KATHLEEN CASTLES, Mezzo-Soprano:
 "Serenade" (Schubert).
 "Death and the Maiden" (Schubert).
 "Cradle Song" (Schubert).
 4.41 p.m.—A. ANDERSON, Clarinet:
 "Ugo, Conte di Parigi" (Donizetti).
 4.48 p.m.—THE STATION ORCHESTRA:
 "Hungarian Rhapsody No. 4" (Liszt).

NEWS SESSION.

5 p.m.—"Herald" news service.
 Stock Exchange information.
 5.10 p.m.—Close down.

EVENING SESSION.

6 p.m.—Answers to Letters and Birthday Greetings by "BILLY BUNNY."
 6.25 p.m.—Musical interlude.
 6.30 p.m.—"BILLY BUNNY" has a Story to tell.

NIGHT SESSION.

6.50 p.m.—MADAME SOWARD:
 "French Without Tears."
STOCK EXCHANGE.
 7.5 p.m.—Stock Exchange information.
MARKET REPORTS.
 7.15 p.m.—Special Report by John McNamara and Co. Official report of the Newmarket Stock Sales by the Associated Stock and Station Agents, Bourke-street, Melbourne. Weather synopsis. Fish Market reports by J. R. Borrett, Ltd. Rabbit prices. River reports. Market reports by the Victorian Producers' Co-operative Co., Ltd. Poultry, grain, hay, straw, dairy produce, potatoes and onions. Market reports of fruit by the Victorian Fruit Merchants' Association. Retail prices. Wholesale prices of Fruit by the Wholesale Fruit Merchants' Association. Citrus fruits.
 7.30 p.m.—News Session and results of Cricket Match, England v. Victoria, at M.C.G.
 7.43 p.m.—Birthday Greetings.
OUT OF THE PAST.
 7.45 p.m.—On November 2, 1805, the first army list of killed and wounded appeared in print, when "The Times" published a list of those who had fallen at Trafalgar, and the Melbourne International Exhibition opened in 1880.
 7.46 p.m.—C. H. J. WILLIAMS will speak on "To-morrow's Stadium Event."

A MAKER OF HISTORY.

8 p.m.—To-day we remember the birth of Alfrd George Edwards, D.D., Archbishop of Wales.

PROGRAMME ANNOUNCEMENTS.

3.1 p.m.—Under the Auspices of the DEPARTMENT OF AGRICULTURE, C. FRENCH, Entomologist, will speak on "Insect Pests."

- 8.15 p.m.—COLLINGWOOD CITIZENS' BAND:
March, "Royal Trumpeter."
Overture "Tancredi."
- 8.25 p.m.—VICTOR HARDING Bass-Baritone:
"Fling Broad the Sail" (Gaines).
"O, Mistress Mine" (Quilter).
- 8.32 p.m.—COLLINGWOOD CITIZENS' BAND:
Waltz, "Forest Flowers."
- 8.40 p.m.—ANNIE MIDDLETON, Soprano:
"Chant Venetian" (Bemberg).
"Songs My Mother Taught Me" (Dvorak).
TECHNICALITIES.
- 8.47 p.m.—H. K. LOVE will speak on "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.
- 8.57 p.m.—COLLINGWOOD CITIZENS' BAND:
"Romance" (Rubinstein).
- 9.5 p.m.—CHARLES ULIVI, Baritone:
Selected.
- 9.12 p.m.—THE IMPERIAL RUSSIAN TRIO:
"Chanson Triste" (Tchaikowsky).
"Poeme" (Fibich).
"Dear on a Night Like This" (Conrad).
"Hungarian Dance No. 6" (Brahms).
- 9.27 p.m.—ANNE MIDDLETON, Soprano:
"Two Negro Spirituals."
- 9.34 p.m.—COLLINGWOOD CITIZENS' BAND:
Selection, "Mary."

SPORT.

- 9.44 p.m.—ERIC WELCH will speak on the form of the horses engaged at Flemington on Saturday, November 3.
- 9.54 p.m.—ANDREW WHITELAW, Tenor:
"E'en as a Lovely Flower" (Bridge).
"Obstination" (Fontenailles).
- 10.1 p.m.—COLLINGWOOD CITIZENS' BAND:
"Merry Widow" (Lehar).

NEWS SESSION.

- 10.10 p.m.—"Argus" News Service. British Official Wireless news from Rugby. Meteorological information. Road Notes supplied by the Royal Automobile Club of Victoria. Announcements.
- 3LO WEEKLY SEASONABLE GARDENING REMINDER. Supplied by L. H. Brunning.
- 10.20 p.m.—CHARLES ULIVI, Baritone:
Selected.
- 10.27 p.m.—COLLINGWOOD CITIZENS' BAND:
March, "Nawarth Castle."
- 10.32 p.m.—ANDREW WHITELAW, Tenor:
"Angels Guard Thee" (Godard).
"I Know of Two Bright Eyes" (Clutsam).
- 10.39 p.m.—STEWART and LORRAINE:
"Humorous Instrumentalists."
- 10.46 p.m.—VICTOR HARDING, Bass:
"Border Ballad" (Cowen).
"Bright is the Ring of Words" (Williams).
- 10.53 p.m.—STEWART and LORRAINE:
"Humorous Instrumentalists."
- 11 p.m.—OUR GREAT THOUGHT:
"The Grand essentials of happiness are, something to do, something to love, and something to hope for."—Thomas Chalmers.

DANCE MUSIC.

- 11.1 p.m.—THE RADI-O-ACES.
11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE.

Associated Radio Co.

Wave Length, 484 Metres.

FRIDAY, 2nd NOVEMBER, 1928.

MORNING NEWS SESSION.

- 10 a.m.—G.P.O. Clock says "Ten."
- 10.1 a.m.—Age Stock Exchange reports. London Metal Market.
- 10.10 a.m.—"Age Market reports, farm and station produce, fruit, fish, vegetables, etc."
- 10.20 a.m.—Age shipping reports. Ocean forecast.

- 10.30 a.m.—Mail notices.
Express train information.
- 10.35 a.m.—Age news service, exclusive to 3AR.
- 10.59 a.m.—Weather forecast.

MORNING MUSICAL SESSION.

- 11 a.m.—Radi-o-aces:
"Dance of the Dolls."
"Last Night I dreamed you Kissed Me" (Kahn).
"That's my Mammy" (Donaldson).
- 11.15 a.m.—Freda Treweek, mezzo:
"I've Been in the Storm So Long" (Hugo Frey).
"It's Me, O Lord" (Hugo Frey).
- 11.22 a.m.—Radi-o-aces:
"Honeymoon Cottage" (Lumsdaine).
"I'm Wingin' Home" (Russell).
"Evening Star" (Turk).
- 11.32 a.m.—French Bros., banjos:
"Just Like Darby and Joan" (Gilbert).
"Mary Ann."
- 11.39 a.m.—Radi-o-aces:
"Russian Rag" (Stutzel).
"Henry's Made a Lady out of Lizzie" (O'Keefe).
"We'll Have a New Home in the Morning" (Buck).
- 11.50 a.m.—Bel Luscombe, soprano:
"Garden of Dreams" (Augustas Barrett).
"Sometime" (R. Friml).
- 11.57 a.m.—Radi-o-aces:
"Orientale Moonlight" (Seamon).
"Bid All Your Troubles Good-bye" (Leslie).
"My Melancholy Baby" (Norton).
- 12.7 p.m.—Freda Treweek, mezzo:
"Nymphs and Shepherds" (Purcell).
"The Arow and the Song" (Balfe).
- 12.14 p.m.—Radi-o-aces:
"Ice Cream."
"I Know That You Know" (Youmans).
"Love Affairs" (Robinson).
- 12.30 p.m.—British Official Wireless. Announcements.
- 12.40 p.m.—French Bros., banjos:
"Once Again" (Lumsdaine).
"Little Mother" (Rapee and Pollack).
- 12.47 p.m.—Radi-o-aces:
"Sweet Ella May" (Robinson).
Piano Solo, "Rag Doll" (Brown).
"Cry Baby" (Smith).
- 1 p.m.—Description of Cricket, England v. Victoria, by Rod McGregor, from Melbourne Cricket Ground.
- 1.15 p.m.—Radi-o-aces:
"Rose of Monterey" (Guy).
"Red Head" (Ermbey).
"The Man I Love" (Gershwin).
- 1.30 p.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—Description of Cricket, England v. Victoria, by Rod McGregor.
- 4 p.m.—Interlude from the Studio.
- 4.15 p.m.—Continuation of Cricket.
- 6 p.m.—Stump Scores.

EVENING SESSION.

- 6 p.m.—The Scientific Reproduction of Absent Artists.

NIGHT SESSION.

- 8.15 p.m.—Community Singing from Malvern Town Hall.
- FROM THE STUDIO.
- 10.15 p.m.—J. R. Proctor, banjo:
"Nigger Town" (Morley).
"Killarney."
- 10.22 p.m.—Bel Luscombe, soprano:
"Ave Maria" (Mascheroni).
"Destiny" (Sydney Bazner).
- 10.30 p.m.—Vera Buck, piano:
"Prelude in C Minor" (Chopin).
"Prelude in G Minor" (Chopin).
"Waltz in D Flat Minor" (Chopin).
- 10.37 p.m.—Bel Luscombe, soprano:
"O Flower of All the World" (Woodforde-Finden).
"Elegie" (Massenet).
- 10.44 p.m.—J. R. Proctor, banjo:
"Dancer's Dream."
"Side by Side."
- 10.51 p.m.—Age news service, exclusive to 3AR.
- 10.58 p.m.—Weather forecast.
- 11 p.m.—God Save the King.
- 3AR SATURDAY, NOVEMBER 3.

4QG, BRISBANE

Queensland Radio Service,

Wave Length, 385 Metres.

FRIDAY, 2nd NOVEMBER, 1928.

EARLY MORNING SESSION.

- 8 a.m.—This morning's news, supplied by courtesy of the Brisbane Metropolitan Daily Newspapers.
- 8.30 a.m.—Close down.

MORNING SESSION.

11 a.m. to 12 noon.

MIDDAY SESSION.

- 1 p.m.—Market reports and weather information.
- 1.15 p.m.—Lunch-hour music.
- 1.58 p.m.—Time signals.
- 2 p.m.—Close down.

AFTERNOON SESSION.

- 3 p.m.—A programme of electrically reproduced records.
- 3.30 p.m.—Mail train running times.
- 3.31 p.m.—A recital by Mr. George Sampson, F.R.C.O. (City Organist).
- 4 p.m.—Afternoon news.
- 4.30 p.m.—Close down.

EARLY EVENING SESSION.

- 6 p.m.—Mail train running times.
Mail information.
Shipping news.
- 6.5 p.m.—Dinner Music.
- 6.25 p.m.—Commercial announcements.
- 6.30 p.m.—Bedtime stories conducted by "The Sandman."
- 7 p.m.—News in brief.
- 7.5 p.m.—Stock Exchange news.
- 7.6 p.m.—Metal quotations.
- 7.7 p.m.—Market reports.
- 7.25 p.m.—Fenwick's Stock report.
- 7.30 p.m.—Weather information.
- 7.40 p.m.—Announcements.
- 7.43 p.m.—Standard time signals.
- 7.45 p.m.—To-morrow's sporting fixtures reviewed.

NIGHT SESSION.

- 8 p.m.—From Southport:
Topical Chorus.
- 8.5 p.m.—The Seaside Orchestra:
Overture, "Vineta" (Grilnberger).
- 8.12 p.m.—The Orpheans (Conductor, Tom Muller):
Octette, "By the Blue Lagoon" (by request).
- 9.16 p.m.—Alderman J. Hendry Grice (Mayor of Southport) will say a few words about the town.
- 8.22 p.m.—Ernest Harper, baritone:
"When the Great Red Dawn is Shining" (accompanied by "The Orpheans").
- 8.27 p.m.—Joe Dwyer and his Pal Jerry:
In ten minutes of fun.
- 8.37 p.m.—Herbert Jackson, cornetist:
"Soul of the Surf" (accompanied by the Seaside Orchestra).
- 8.43 p.m.—Evelyn Price, soprano:
"Carrissima" (Penn).
- 8.48 p.m.—George Williamson, tenor:
"Arise O Sun" (Day).
- 8.52 p.m.—The Seaside Orchestra:
One-step, "Looking 'Em Over" (Rolfe).
- 9 p.m.—From the Studio:
Metropolitan Weather forecast.
- 9.1 p.m.—From Southport:
The Orpheans:
Octette, "Heroes and Gentlemen" (Peskett).
- 9.5 p.m.—Ray Bruce, tenor:
"Bells of St. Mary's" (accompanied by The Orpheans).
- 9.10 p.m.—The Seaside Orchestra:
Valse, "Nit Etoilee" (Waldtenfel).
- 9.13 p.m.—J. P. Cornwell, bass:
"Come to the Fair" (Easthope Martin).
- 9.23 p.m.—Evelyn Price, soprano: Selected.
- 9.28 p.m.—The Orpheans:
Octette: "Cornfields Medley" (Scott Gatty).
- 9.33 p.m.—George Williamson, tenor, and J. P. Cornwell, bass:
"Flow Gently Deva" (Parry).

9.37 p.m.—The Seaside Orchestra:
Silhouette, "Nola" (Arndt).
9.42 p.m.—The Orpheans:
Octette, "Juanita" (Parks).
9.45 p.m.—Tom Muller, elocutionist:
"Jim" (accompanied by The Orpheans).
9.50 p.m.—The Seaside Orchestra:
Ten minutes' dance music.
10 p.m.—From the Studio:
Week-end road information for motorists,
officially supplied by the Royal Automobile
Club of Queensland; late news; weather
news. Close down.

5CL, ADELAIDE.

Central Broadcasters, Ltd.

Wave Length, 395 Metres.

FRIDAY, 2nd NOVEMBER, 1928.

MORNING SESSION.

11 a.m.—G.P.O. Chimes.
11.1 a.m.—Studio "Recreator":
Recital of Columbia recordings.
11.40 a.m.—"Economist":
Kitchen Craft and Menu talk.

MIDDAY SESSION.

12 noon.—G.P.O. Chimes.
12.1 p.m.—"The Advertiser" general news ser-
vice.
12.20 p.m.—British Official Wireless news.
12.25 p.m.—Seth Smith, banjoist:
Waltz, "When I sang the Rosary" (Gilbert).
"Bonnie Scotland."
12.32 p.m.—The Radio Trumps:
In songs and stories.
12.42 p.m.—Walter Hurst, pianist:
"Les Sylvan's" (Chaminade).
12.49 p.m.—S. A. Railways Information.
12.50 p.m.—S. C. Ward and Co.'s Stock Ex-
change information.
12.57 p.m.—Meteorological information.
1 p.m.—G.P.O. Chimes.
1.1 p.m.—Mrs. Keith Steward, soprano:
"Come along Faries" (Wood).
"Farewell to Summer" (Johnson).
1.7 p.m.—Seth Smith, banjoist:
"En Avant" (Cammeyer).
"Douglas March" (Rossitor).
1.14 p.m.—The Radio Trumps:
In a humorous sketch.
1.21 p.m.—Walter Wood, pianist:
"Under the leaves" (Phome).
1.26 p.m.—Mrs. Keith Steward, soprano:
"There is a land" (Allitsen).
"The Fairy Pipers" (Brewer).
1.35 p.m.—Studio "Recreator":
Recital of Columbia Recordings.
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.—Molly Mackay, soprano:
"Charlie my Darling" (Old Scotch).
"We'll know, We'll understand."
3.7 p.m.—Maple Leaf Cafe Orchestra:
Overture, "La Burlesque" (Suppe).
Novelty, "Powder and patches" (Elliot).
Dance, "Shepherd's Dance" (German).
3.20 p.m.—Molly Mackay, soprano:
"Love's a rosebud" (Mallison).
"Les Papillons" (Chansson).
3.27 p.m.—Maple Leaf Cafe Orchestra:
Suite, "African" (Ring).
Selection, "Passion Tzigani."
Selection of latest dance numbers.
3.47 p.m.—Joe Brennan and Ida Newton:
In comedy sketches.
4 p.m.—G.P.O. Chimes.
4.1 p.m.—Arcadia Cafe Orchestra:
Overture, "Northern Lights" (Weidt).
Margery Walsh, soprano:
"Amarella" (Winne).
"Songs my mother taught me" (Dvorak).
Arcadia Cafe Orchestra:
"Fantasy, "Peacock Land" (Marsden).
Geoff Goldsworthy, cellist:
"Gavotte" (Pepper).
Harold Tidemann, baritone:
"To Bachelors" (Elkin).
"Pass Everyman" (Sanderson).

Arcadia Cafe Orchestra:
Selection, "Waltz Dream" (Strauss).
"Scene De Ballott" (Ketelby).
Harold Tidemann, baritone:
"The Island of Gardens" (Taylor).
"Wonderful garden of love" (Russell).
Arcadia Cafe Orchestra:
"Valse in A Minor" (Chopin).
Finale, "Latest Popular Hits."
4.57 p.m.—S. C. Ward and Co.'s Stock Ex-
change information.
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 Happy Moments:
Birthday Greetings, Correspondence, Song
and Stories by "Miss Wireless."
6.30 p.m.—Dinner Music:
Recital of Columbia recordings on the studio
"Recreator."
7 p.m.—G.P.O. Chimes.
7.1 p.m.—S. C. Ward and Co.'s Stock Ex-
change information.
7.8 p.m.—5CL's Sporting service by "Silvius."
Including a review of to-morrows' Strathal-
byn and Flemington racing.
7.20 p.m.—Cricket talk by "Willow."

NIGHT SESSION.

7.30 p.m.—Torrens Valley Public Schools Ex-
hibition. Talk by Inspector Gartrell.
7.40 p.m.—Malcolm Reid's Orchestra.
Transmitted from showrooms.
Orchestral selections.
7.53 p.m.—Len Maurice, Whispering baritone:
"Whispering Moments."
8 p.m.—G.P.O. Chimes.
8.1 p.m.—Malcolm Reid's Orchestra.
Selection of popular song hits.
8.8 p.m.—Molly Mackay, soprano:
"Synnove's Song" (Kjerulf).
"Musetta's Song" (Puccini).
8.15 p.m.—Malcolm Reid's Orchestra:
Orchestral selections.
8.22 p.m.—Len Maurice, Whispering baritone:
"Wireless Whispers."
8.29 p.m.—Malcolm Reid's Orchestra:
Orchestral selections.
8.39 p.m.—Molly Mackay, soprano:
"Se Saran Rose" (Arditi).
"Mimi's Song" (Puccini).
8.46 p.m.—Joe Brennan, and Ida Newton:
Seven minutes fun and harmony.
8.53 p.m.—Malcolm Reid's Orchestra:
Orchestral selections.
9 p.m.—G.P.O. Chimes.
9.1 p.m.—Meteorological information.
9.2 p.m.—Overseas Grain report.
9.3 p.m.—Gordon Hele, baritone:
"Old Barty" (Grant).
9.10 p.m.—Elder String Trio:
Maude Puddy, piano,
Chas. Schilsky, violin,
Harold Parsons, 'cello.
9.20 p.m.—Joe Brennan, and Ida Newton:
More fun and harmony.
9.30 p.m.—Elder String Trio:
Selected Classics.
9.40 p.m.—Gordon Hele, baritone:
"Red Devon by the Sea" (Homer).
"Requiem" (Homer).
9.48 p.m.—Elder String Trio:
Selected Classics.
10 p.m.—G.P.O. Chimes.
10.1 p.m.—"The Advertiser" general news ser-
vice.
10.10 p.m.—International news.
10.15 p.m.—5CL's Sporting service by "Silvius"
Including a review of to-morrow's Stra-
thalbyn and Flemington racing.
10.25 p.m.—The Malsen Dance Band:
Transmitted from Glenelg, Dance numbers.
10.57 p.m.—Meteorological information, and
programme announcements.
11 p.m.—God Save the King.

6WF, PERTH

Westralian Farmer's.

Wave Length, 1250 Metres.

FRIDAY, 2nd NOVEMBER, 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 Me-
teorological Bureau of Western Australia.
Station announcements.
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.—Afternoon Tea Concert relayed from
the Rosebud Cafe, Perth.
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.
6.48 p.m.—Stories for the Kiddies and musical
session by Uncles Henry, Percy and Duffy
and Aunties Amy and Mollie.
7.5 p.m.—Items, by the Studio Trio.
7.30 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 Me-
teorological Bureau of Western Australia.
Station announcements such as alterations to
programmes, etc.
8.3 p.m.—Popular Night.
Musical programme from the studio, includ-
ing vocal and instrumental artists.
9 p.m.—Late news items by courtesy of "The
Daily News" Newspaper Co.
Ships within range announcement.
Weather report and forecast.
Station announcements.
9.10 p.m.—Talk: "Various Phases of Vegetable
and Herb Culture" by Mr. James Conarty.
10.30 p.m.—Close down.
104.5 METRE TRANSMISSION.
Simultaneous broadcast on 104.5 metres of
programme given on 1250 metres commen-
cing at 6.45 p.m.

7ZL, HOBART

Tasmanian Broadcasters, Ltd.

Wave Length, 516 Metres.

FRIDAY, 2nd NOVEMBER, 1928.

MIDDAY SESSION.

11.30 a.m.—M'elie Columbia Broadcasts.
11.34 a.m.—Special Midland Weather Forecast.
11.35 a.m.—M'elie Columbia Broadcasts.
11.55 a.m.—Tasmanian Stations 9 a.m. Wea-
ther Report.
12 noon.—G.P.O. Clock chimes the Hour.
12.1 p.m.—Shipping information. Ships within
wireless range. Mail notices. Housewives'
Guide.
12.8 p.m.—M'elie Columbia Broadcasts.
12.11 p.m.—British Official Wireless News.
12.20 p.m.—M'elie Columbia Broadcasts.
12.29 p.m.—Announcements.
12.33 p.m.—"Mercury" News Service. Produce
sales held at Railway.
1.10 p.m.—M'elie Columbia Broadcasts.
1.30 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Clock chimes the Hour.
3.1 p.m.—M'elie Columbia Broadcasts.
3.11 p.m.—Weather information.
"A MUSICAL COMEDY PROGRAMME,"
by the Discus Ensemble.
Grenadiers Guards Band:
Selection, "Tom Jones, Part 1 and 2" (Ger-
man).
Daily's Theatre Orchestra:
Selections, "Madame Pompadour" (Graham).
Evelyn Laye, soprano:
"Love me now" (Graham).
Derick Oldham: "Serenade."
Paul Whiteman's Orchestra:
Selection, "Merry Widow" (Lehr).
Selection, "My Hero"—"The Chocolate Sol-
dier" (Strauss).

James Liddy, tenor: "The Student Prince." Selection, "Memories" (Donnelly). James Liddy and Else Gergely: Selection, "The Student Prince"—"Deep in my heart dear." Dith Orchestra and Chorus from Empire Theatre, Sydney, directed by Fred Quintrell. Drury Lane Theatre Orchestra: Selection, "Rose Marie" (Part 1) (Friml). Selection, "Rose Marie" (Part 2) (Friml). The Silver Stars Band: Selection, "The Mikado" (Part 1) (Sullivan). Selection, "The Mikado" (Part 2) (Sullivan). 4.15 p.m.—I will speak something new and hitherto unsaid by any other mouth. Personalities: Readings from "Courier." 4.30 p.m.—Close down. During the afternoon progress scores will be given of the Cricket Match, English XI. v. Victoria, at Melbourne Cricket Ground, Melbourne.

EARLY EVENING SESSION.

6.15 p.m.—Answers to Letters and Birthday Greetings, "Uncle David." 6.20 p.m.—M'elie Columbia Broadcasts. 6.30 p.m.—The Storey Lady—A Story and Verses for the Children: "Surprise Story and Verses." 6.45 p.m.—M'elie Columbia Broadcasts. 7.15 p.m.—A Talk on Cricket Activities: English XI. v. Victoria, at Melbourne, by A. M. O'Leary.

EVENING SESSION.

7.30 p.m.—W. H. Cummins will speak under the auspices of 7ZL and "Mercury" Hospital Wireless Equipment appeal on: "Cheering the Sick." 7.45 p.m.—Kennerley Boys' Concert Party: Kennerley Boys, Part Songs, with violin obligato: (a) "Beauty's Eyes" (Testi). (b) "When Song is Sweet" (Gertrude Sans Souci). Kennerley Boys, Songs in Unison: (a) "When the Sgt.-Major's on Parade" (Longstaff). (b) "Hats Off to the Stoker" (Claude Arundale). Ena Twibell, violinist: "Serenade" (Pierne). Kennerley Boys, Handbells: Selected. Kennerley Boys, Part Songs: (a) "Come to the Fair" (English). (b) "Bonnie Doon" (Scotch). (c) "Sure they call it Ireland" (Irish). Ena Twibell, violinist: "Cavatina" (Raff). Kennerley Boys, Songs in Unison: "Ash Grove" (Welsh). "Australia Thou our Favourite Isle" (Australia). Kennerley Boys Handbells: (a) "Danny Boy." (b) "Sweet Chiming Bells." Kennerley Boys, Part Songs: "Elpin Call" (Glover). "Perfect Day" (Carrie Jacobs-Bond). Kennerley Boys, Handbells: (a) "Convent Bells." (b) "Good-Night." (c) "Chapel Chimes." 8.45 p.m.—J. M. Counsel: "A Musical Hour with the Old Masters: The History and Development of Music." 9.45 p.m.—British Official Wireless News. Readings from "Weekly Courier." "Mercury" special Tasmanian News Service. Railway auction produce sales. Weather information. Hobart Stock Exchange quotations. Royal Autocar Club of Tasmania: Road Guide for the Week-end. Cycling notes by the Hobart Cycling Association. Athletic news by the Amateur Athletic Association of Tasmania. Market reports from Wise and Stirling, Messrs. Roberts and Co. and Messrs. A. G. Webster and Sons. 10 p.m.—G.P.O. Clock chimes the hour. 10.1 p.m.—The Royal Autocar Club of Tasmania Safety Message for To-day is: "What's your hurry? Drive as you would have the other fellow drive." 10.2 p.m.—Our Tasmanian Good-night thought: "One day brings the punishment which many days demand." "God Save the King."

Saturday, November 3

New South Wales Broadcasting Company, Limited.

2FC, SERVICE.

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements. 7.5 a.m.—Studio Music. 7.20 a.m.—Country Session: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services, river reports. 7.25 a.m.—Investment market, mining share market, metal quotations. 7.35 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets. 7.45 a.m.—"Sydney Morning Herald" summary. 7.50 a.m.—Studio Music. 8 a.m.—"Big Ben." Close down. MORNING SESSION. 10 a.m.—"Big Ben" and announcements. 10.2 a.m.—Pianoforte reproduction. 10.10 a.m.—"Sydney Morning Herald" news service. 10.25 a.m.—Studio Music. 10.30 a.m.—Last minute sporting information by the 2FC Racing Commissioner. 10.40 a.m.—Studio Music. 10.45 a.m.—A Talk on Gardening by "Redgum" (G. J. Lockley). 11 a.m.—"Big Ben." A.P.A. and Reuter's Cable Services. 11.5 a.m.—Close down. MIDDAY AND AFTERNOON SESSIONS. 12 noon—"Big Ben" and announcements. 12.2 p.m.—Stock Exchange information. 12.4 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. 1.20 p.m.—Studio music.

RACES.

Note.—During the afternoon (by courtesy of 3LO Melbourne) a description will be given of the Victorian Derby and the Cantala Stakes, direct from Melbourne. A complete description of the Moorefield Races will be given direct from the course by the 2FC Racing Commissioner. Results from Victoria Park will be transmitted as received.

CRICKET.

Progress scores of the International Cricket Match, England versus Victoria, played at Melbourne, will be transmitted as received. During sporting intervals the following artists will be heard from the Studio: The String Trio: (a) "Was It a Dream," waltz song (Sunny Clapp). (b) "Selection from the 'Lilac Domino.'" (c) "La Cuiquantine" (Gabriel Marie). (d) "Polly" (Zamerink). (e) "My Little Log Cabin of Dreams" (Hanley and Dowling). (f) Fox Trot, "Persian Rag" (Kahn and Moret). (g) Waltz, "Little Mother" (Pollack). Florence Smith and Alma Grinlinton, vocal duets: (a) "Farewell to Summer" (Noel Johnson). (b) "Until" (Wilfrid Sanderson). (c) "The Voyagers" (Sanderson). (d) "Just awearyin' for You" (Jacobs-Bond). The Ambassadors' Dance Orchestra, conducted by Manuel Hyman. 4.45 p.m.—Complete sporting resume. 5 p.m.—"Big Ben." Close down. EARLY EVENING SESSION. 5.40 p.m.—The chimes of 2FC. 5.45 p.m.—The Children's Session, conducted by the "Hello Man." Letters and stories. Music and entertainment.

6.30 p.m.—Weather intelligence. Shipping. Stock Exchange. 6.35 p.m.—Late news service. 6.40 p.m.—Rugby wireless news. 6.45 p.m.—Late sporting news. 7 p.m.—"Big Ben." Studio item. 7.10 p.m.—The 2FC Dinner Quartet, conducted by Horace Keats: (a) "Tambourine Dance" (Dunhill). (b) "Spring Song" (Mendelssohn). "Boating Song" (Mendelssohn). (c) "Tom Jones," Selection (German). (d) "Serenade" (Toselli). (e) "Beautiful" (Shay).

NIGHT SESSION.

7.40 p.m.—Programme announcements. 7.47 p.m.—Pianoforte reproduction. 7.59 p.m.—Foreword to next item. 8 p.m.—"Big Ben." From the Prince Edward Theatre, Sydney. The Prince Edward Theatre Orchestra, conducted by Albert Cazabon. Eddie Horton at the Orchestral Organ. 8.50 p.m.—From the Studio: "Around the Camp Fire"—half-an-hour of music, song, poem, and story (grave and gay), from the Works of writers and poets of Australasia (arranged by V. Upton Brown). "Camp Boss" and Narrator, V. Upton-Brown. (a) Camp Chorus—"Australia." (b) "The Man from Snowy River" (Paterson). (c) "When Dacey rode the Mule" (Anon). (d) Camp Song—"Danny Boy," Peggy Dunbar, Contralto. (e) "Lost" (Paterson). (f) "Sammy Sundown and His Concertina." (g) "Rastlin' at the Stadium by Bill Bowyang (Dennis). (h) Homestead Chorus: "Auld Lang Syne" 9.20 p.m.—Charles Lawrence and Rae Foster: Popular vocal duets. 9.28 p.m.—Charlotte Robinson Pianoforte solos. (a) "La Maja et le Rossignol" (Granados). (b) "Triana" (Albeniz). 9.40 p.m.—Peggy Dunbar Contralto: (a) "Dawn Skies" (Drummond). (b) "Requiem" (Shark). 9.48 p.m.—Charlotte Robinson Pianoforte solos: (a) "Revolutionary Study" (Chopin). (b) "Ballade G Minor" (Chopin). 10 p.m.—"Big Ben." Peggy Dunbar Contralto. "None but the Lonely Heart" (Tchaikowsky). 10.3 p.m.—From the Prince Edward Theatre: The Prince Edward Theatre Orchestra conducted by Albert Cazabon and Eddie Horton at the Orchestral Organ. 10.23 p.m.—From the Studio: Charles Lawrence and Rae Foster: Popular duets. 10.30 p.m.—Late Weather forecast. The Ambassadors' Dance Orchestra. 10.57 p.m.—To-morrow's Programme and Announcements. 11 p.m.—"Big Ben." The Ambassadors' Dance Orchestra. 11.30 p.m.—National Anthem. Close down.

2BL, SERVICE.

SATURDAY, 3rd NOVEMBER, 1923.

MORNING SESSION.

6 a.m.—G.P.O. Clock and chimes. Metropolitan weather report. 8.1 a.m.—State weather report. 8.2 a.m.—Studio music. 8.15 a.m.—G.P.O. Clock and chimes. News service from the "Daily Telegraph Pictorial." 8.25 a.m.—Studio music. 8.35 a.m.—Information, Mails, Shipping, Arrivals, Departures and Sailings. 8.38 a.m.—News from the "Daily Telegraph Pictorial." 8.45 a.m.—G.P.O. Clock and chimes. Studio music. 9 a.m.—G.P.O. Clock and chimes. Studio music. 9.30 a.m.—G.P.O. Clock and chimes. A Reading. 9.40 a.m.—Studio music. 10 a.m.—G.P.O. Clock and chimes. Close down.

MIDDAY SESSION.

- 11 a.m.—G.P.O. Clock and chimes.
 Women's Session.
 11.15 a.m.—Miss Pam—Recipes and other Items of Interest.
 11.30 a.m.—Talk on "Gardening," by Mr. Cooper, Park Superintendent, City Council.
 12 noon.—G.P.O. Clock and chimes.
 Special ocean forecast and weather report.
 12.3 p.m.—Studio music.
 12.30 p.m.—"Sun" news service.
 12.35 p.m.—Studio music.
 12.50 p.m.—From the Studio—
 What's on at the Pictures and Theatres.
 12.55 p.m.—Studio music.
 1.10 p.m.—"Sun" news service.
 1.20 p.m.—Studio music.
 2 p.m.—Close down.

AFTERNOON SESSION.

Note: During the afternoon, by courtesy of 3LO Melbourne, descriptions of the Maribyrnong Plate and Melbourne Stakes will be broadcast direct from Melbourne.
 By courtesy of the "Sun" Newspapers, race results from Moorefield, and Victoria Park Racecourses, will be given as received.
 Cricket: Progress scores of the International Cricket Match, England v. Victoria played at Melbourne, will be transmitted as received.

During Sporting Intervals items will be given by the following Artists:
 John Millington, and Wm. Everest, steel guitars:

- (a) "On the beach at Waikiki" (Awaii).
 (b) "One, two, three, four" (Alan).
 (c) "Three o'clock in the morning" (Robledo).
 (d) "Aloha Oe" (Awaii).

Mr. Roger Jones, baritone:

- (a) "A Dream Garden" (Phillips).
 (b) "Though all the days to be" (Melville Hope).
 (c) "The little green balcony" (Coates).
 (d) "Dreams of the Dusk" (D'Hardclot).

Miss Kathleen Roe, pianist:

- (a) "Four Preludes" (Chopin).
 (b) "Impromptu Op. 86" (Chopin).

EARLY EVENING SESSION.

- 5.45 p.m.—G.P.O. Clock and chimes.
 Children's Music and entertainment.
 6 p.m.—Children's letters and stories.
 6.30 p.m.—"Sun" news and late sporting.
 6.40 p.m.—2BL Dinner Quartette:
 (a) Overture, "The Barber of Seville" (Rossini).
 (b) "Lolita" (Stoneham).
 (c) "By the Tamarisk" (Coates).
 (d) "Salut d'Amour" (Elgar).
 (e) "After my laughter" (Turk).
 (f) "Two light synopated pieces" (Coates).
 (g) "Rag Doll" (Brown).
 7.10 p.m.—Complete racing resume.
 Complete sporting resume.
 7.25 p.m.—Pim and Pam in advertising talks and nonsense.
 7.55 p.m.—Programme and other announcements.

EVENING SESSION.

- Note:—During the Evening, Events from Speedway Royal will be described direct.
 8 p.m.—G.P.O. Clock and Chimes.
 2BL Topical Chorus.
 8.3 p.m.—Miss Lotys Lescaut (Soprano):
 8.10 p.m.—Mr. Jack Barnett and Miss Dorothy Dewar (Entertainers).
 8.30 p.m.—Mr. Herbert C. Hinchcliffe, Baritone:
 (a) "The Heart Bowed Down" (Balfe).
 (b) "To-morrow" (Keel).
 8.37 p.m.—Harrison, White and "Connie" (Banjo and Piano Duets).
 8.44 p.m.—Mr. Jack Cannot (Comedian):
 (a) "And yet, I don't know" (Weston and Lee).
 (b) "That's My Weakness Now" (Strept).
 8.54 p.m.—The New South Wales Broadcasting Company's Orchestra.
 9.9 p.m.—Talk on "Cricket," by Mr. Hyam Marks.
 9.24 p.m.—Mr. Charles O'Mara (Irish entertainer):
 (a) "The Jug of Punch" (James).
 (b) "The Blarney Roses" (Flint).

9.31 p.m.—The New South Wales Broadcasting Company's Orchestra.

9.46 p.m.—Mr. Herbert C. Hinchcliffe:

- (a) "The Song of the Waggoner" (Breville-Smith).
 (b) "Because I Love You" (Berlin).
 9.53 p.m.—Mr. Harrison White and "Connie."
 10 p.m.—Mr. Jack Cannot:
 (a) "Me and My Shadow" (Jolson).
 (b) "At the end of an Irish Moonbeam" (Golden).

10.10 p.m.—The New South Wales Broadcasting Company's Orchestra.

10.27 p.m.—Mr. Charles O'Mara:

- 10.20 p.m.—Miss Lotys Lescaut.
 (a) "The Donovans" (Needham).
 (b) "The Bachelor's Tale" (French).

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

10.38 p.m.—The Wentworth Cafe Dance Orchestra, under the direction of Mr. Jimmy Elkins, broadcast from the Wentworth.

During intervals between dances "Sun" news will be broadcast.

11.30 p.m.—National Anthem.

2GB, SYDNEY

Theosophical Broadcasting Service.

Wave Length, 316 Metres.

SATURDAY, 3rd NOVEMBER, 1928.

EVENING SESSION.

- 5.30 p.m.—Children's Session by Uncle George Radio Movie Club.
 7 p.m.—Dance Music.
 8 p.m.—Request Night.
 9 p.m.—Grown-Up Bedtime stories.
 10 p.m.—Close down.

3LO, MELBOURNE.

SATURDAY, 3rd NOVEMBER, 1928.

EARLY MORNING SESSION.

"HERALD" BREAKFAST HOUR.

- 7.15 a.m.—Morning Melodies.
 7.20 a.m.—Morning Exercises to music.
 7.30 p.m.—Stock reports. Market reports. General news. Shipping. Sporting information.
 8 a.m.—Melbourne Observatory Time Signal Express train information.
 8.1 a.m.—Morning Melodies.
 8.15 a.m.—Close down.

MORNING SESSION.

- 11 a.m.—THE STATION ORCHESTRA:
 "Two Favorite Classics" (Schubert).
 11.10 a.m.—STEWART and LORRAINE:
 "Humorous Instrumentalists."
 11.17 a.m.—J. ALEXANDER BROWNE, Baritone:
 "Free Lance" (Dix).
 "Tommy Lad" (Margeson).
 11.24 a.m.—ERIC WELCH will speak on to-day's races at Flemington.
 11.34 a.m.—THE STATION ORCHESTRA:
 Selection, "Fedora" (Giordana).
 11.45 a.m.—J. ALEXANDER BROWNE, Baritone:
 "For the Green" (Lohr).
 "Lady Mine" (Lohr).
 11.53 a.m.—THE STATION ORCHESTRA:
 Selection, "Thais" (Massenet).

MIDDAY SESSION.

MIDDAY NEWS 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 STATION ORCHESTRA:
 "Scenes Poetiques" (Godard).

12.30 p.m.—CHARLES ULIVI, Baritone:
 Selected.

12.37 p.m.—Stock Exchange information.

12.40 p.m.—THE STATION ORCHESTRA:
 Suite, "Atlantis" (La Frank).

12.57 p.m.—Description of the Maiden Plate, 1 mile, V.R.C. Races, at FLEMINGTON, by ERIC WELCH.

1.7 p.m.—THE STATION ORCHESTRA:
 Suite, "The Fragrant Year" (Ewing).

1.17 p.m.—GUILDFORD BISHOP, Violin:
 "Ballads" (Henry).

1.24 p.m.—CHARLES ULIVI, Baritone:
 Selected.

1.33 p.m.—THE STATION ORCHESTRA:
 "Valse des Fleurs" (Tchaikowsky).

1.37 p.m.—Description of the Maribyrnong Plate, 5 furlongs, V.R.C. RACES, at FLEMINGTON, by Eric Welch.

1.47 p.m.—Close down.

AFTERNOON SESSION.

2.15 p.m.—Description of the CRICKET MATCH, ENGLAND v. VICTORIA, at M.C.G. by Rod McGregor.

2.37 p.m.—Description of the Melbourne Stakes, 1¼ miles, V.R.C. RACES, at FLEMINGTON, by Eric Welch.

2.47 p.m.—Description of the CRICKET MATCH, ENGLAND v. VICTORIA, at M.C.G., by Rod McGregor.

3.27 p.m.—Description of the VICTORIA DERBY, 1½ miles, V.R.C. RACES at FLEMINGTON, by Eric Welch.

3.37 p.m.—Description of the CRICKET MATCH, ENGLAND v. VICTORIA, at M.C.G., by Rod McGregor.

4 p.m.—SONORA RECITAL.

4.17 p.m.—Description of the Cantala Stakes, 1 mile, V.R.C. RACES, at FLEMINGTON, by Eric Welch.

4.27 p.m.—Description of the CRICKET MATCH, ENGLAND v. VICTORIA, at M.C.G., by Rod McGregor.

4.57 p.m.—Description of the Hortham Handicap, 1½ miles, V.R.C. RACES, at FLEMINGTON, by Eric Welch.

5.7 p.m.—Description of the CRICKET MATCH, ENGLAND v. VICTORIA, at M.C.G., by Rod McGregor.

5.15 p.m.—"Herald" news service.
 Stock Exchange information.

5.25 p.m.—Description of the CRICKET MATCH, ENGLAND v. VICTORIA, at M.C.G., by Rod McGregor.

EVENING SESSION.

5.50 p.m.—Sporting results.

6 p.m.—Answers to Letters and Birthday Greetings by "LITTLE MISS KOOKABURRA."

6.25 p.m.—Musical interlude.

6.30 p.m.—"LITTLE MISS KOOKABURRA" will tell the children one of the old favorites chosen by themselves:

"The Story of Snow-White."

NIGHT SESSION.

STOCK EXCHANGE.

7.5 p.m.—Stock Exchange information.

MARKET REPORTS.

7.15 p.m.—Official report of the Newmarket Stock Sales by the Associated Stock and Station Agents, Bourke-street, Melbourne. Fish Market reports by J. R. Borrett, Ltd. Rabbit prices. River reports. 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 Fruitgrowers' Association. Wholesale prices of fruit by the Wholesale Fruit Merchants' Association. Citrus fruits.

7.30 p.m.—News session.

7.40 p.m.—Birthday greetings.

OUT OF THE PAST.

7.43 p.m.—On November 3, 1836, Mitchell, the famous explorer, discovered the Darling River. In 1883 occurred the total destruction of the army of Hicks Pasha in the Sudan when 10,000 troops were slain. In 1908, William Howard Taft was elected President of the United States, and the bombardment of Yarmouth, England, occurred on November 3, 1914.

7.45 p.m.—DR. J. A. LEACH will speak on "Jacky Winter."

A MAKER OF HISTORY.

8 p.m.—To-day we remember the birth of the distinguished French surgeon **BARON ALEXIS BOYER**.

PROGRAMME ANNOUNCEMENTS.

TASMANIAN LETTER to 3LO from "Courier," Launceston.

8.1 p.m.—**PRAHRAN CITY BAND**:
March, "Holyrood" (Alford).
"Ramona" (Wayne).

8.10 p.m.—**THE METRO. QUARTET**:
"Swing Along A Low" (Richard Jounntz).
"They Kissed—I Saw Them Do it" (Hawley).

8.17 p.m.—**PRAHRAN CITY BAND**:
Overture, "Light Cavalry" (Suppe).

8.25 p.m.—**THE METRO. QUARTET**:
"Doan Ye Cry, My Honey" (Noll).
"Mosquitoes" (Paul Bliss).

8.32 p.m.—**THE IMPERIAL RUSSIAN TRIO**
(Arved Norit, violin; John Berzinsky, 'cello;
and William Ibster, piano).
Arved Norit, violin—"Chanson Arabe"
(Rimsky-Korsakov).

William Ibster, piano—"Romance" (Glier).
The Trio—"Chant sans Paroles"
(Tchaikowsky).

8.47 p.m.—**SONG Feature of the Week.**
THE STADIUM.

8.50 p.m.—**ERIC WELCH** will describe to-
night's Events at the Stadium.

FROM THE STUDIO.

10.15 p.m.—**THE PRAHRAN CITY BAND**:
Selection, "Daughter of the Regiment,"
(Donizetti).

10.25 p.m.—**CHARLES ULIVI**, Baritone:
Selected.

10.32 p.m.—**STEWART and LORRAINE**:
Humorous Instrumentalists.

10.39 p.m.—**PRAHRAN CITY BAND**:
"The Desert Song" (Romberg).

10.49 p.m.—Late Sporting information.
DANCE MUSIC.

10.56 p.m.—**THE RADI-O-ACES.**

11.40 p.m.—**GOD SAVE THE KING.**

3AR, MELBOURNE

SATURDAY, 3rd NOVEMBER, 1928.

MORNING NEWS SESSION.

10 a.m.—G.P.O. Clock says "Ten."

10.1 a.m.—Age Stock Exchange reports.
London metal market.

10.10 a.m.—Age market reports—farm and
station produce, fruit, fish, vegetables, etc.

10.20 a.m.—Age shipping reports.
Ocean forecast.

10.30 a.m.—Mail notices.

Express train information.

10.35 a.m.—Age news service, exclusive to
3AR.

10.59 a.m.—Weather forecast.

MORNING MUSICAL SESSION.

11 a.m.—Radi-o-aces:

"Was It a Dream" (Brett).

"Together" (Brown).

"Mary Ann" (Davis).

11.15 a.m.—Bernard Thomas, baritone:

"Serenade" (Schubert).

"The Dream" (Rubenstein).

11.22 a.m.—Radi-o-aces:

"Tell Me To-night" (Little).

"Oh, Doris, Where Do You Live?" (Kahn).

"There's One Little Girl Who Loves Me"
(Kahn).

11.37 a.m.—Bernard Thomas, baritone:

"Ben Bolt" (Traditional).

"Old Black Joe" (Foster).

11.44 a.m.—Radi-o-aces:

"Polly" (Zamecnik).

"Felix, the Cat" (Naustrom).

"Delirium" (Schuff).

AFTERNOON SESSION.

3 p.m.—Station Orchestra:

Selection, "Fedora" (Giordana).

3.15 p.m.—Tom Foster, tenor:

"Obstinat" (De Fontenailles).

"Mary" (Richardson).

3.22 p.m.—Station Orchestra:

"Two Favorite Classics" (Schubert).

3.37 p.m.—Marjory Kuring, soprano:

"Caro Mio Ben."

"Love's Old Sweet Song."

3.44 p.m.—Station Orchestra:

Suite, "The Fragrant Year" (Ewing).

3.45 p.m.—Marjory Kuring, and Tom Foster:

Duets, "Nocturne" (Denza).

"Rose of My Heart."

4.1 p.m.—Station Orchestra:

"Scenes Poétiques" (Godard).

"Barcarolle" (Tchaikowsky).

4.15 p.m.—Tom Foster, tenor:

"O Sole Mio" (Di Capua).

"I Know of Two Bright Eyes" (Clutsam).

4.23 p.m.—Station Orchestra:

Selection, "Thais" (Massenet).

4.33 p.m.—Marjory Kuring, soprano:

"The Swan" (Grieg).

"That's All" (May Brahe).

Suite, "Atlantis" (Safranek).

4.40 p.m.—Station Orchestra:

EVENING SESSION.

5 p.m.—A recital of the Best and Latest re-
cordings.

NIGHT SESSION.

8 p.m.—All Sporting results.

8.30 p.m.—British Musical Society's Schubert
Centenary Concert, transmitted from the As-
sembly Hall.

Sonatina for Violin and Piano, op. 137, No.
1, in D.

Algero molto; Andante; Allegro vivace.

Violin: Myrtle Robertson;

Piano: Ada Freeman.

Songs, (a) "The Erl King"; (b) "The Wan-
derer."

John Hobbs, Emily Davies at the piano.

Quintet for Piano and Strings, op. 114.

Allegro vivace; Andante, Scherzo and Trio.

Theme (The Trout), and variations.

Finale—Allegro giusto.

Piano, Ada Freeman; violin, Bertha Jorgen-
sen; Viola, Dorothy Roxburgh; 'Cello, Tasma

Tiernan; Bass, John Woods.

Songs: (a) "By the Sea"; (b) "The Raven";

(c) "The Post"—Colin Macrae.

Piano solo: Impromptu.

Katie Liddle.

FROM THE STUDIO.

10 p.m.—Under the auspices of the Advance

Bendigo and the North League:

"Charlton."

10.10 p.m.—C. E. Monteath, F.R.C.O.:

Organ Recital, transmitted from St. Peter's

Church:

"Fugue in A Minor" (C. P. E. Bach).

"Chaconne" (Jomelli).

"Moment Musical" (Schubert).

"Andante tranquillo from 3rd Organ Sonata"

(Mendelssohn).

"Fantasie in E Flat" (Saint-Saens).

10.25 p.m.—Bessie Banks:

"Love's a Merchant" (Molly Carew).

"Piper June" (Molly Carew).

10.32 p.m.—Vera Buck, piano:

"Juba Dance" (Deit).

"The Cuckoo" (Arensky).

10.37 p.m.—Bessie Banks, soprano:

"A Castilian Lament" (Del Riego).

"Invitation."

10.44 p.m.—Vera Buck, piano:

"Scenes from Childhood" (Schumann).

"Contentedness."

"A Funny Story."

"An Important Event."

"Dreaming."

"Child Falling Asleep."

10.54 p.m.—Late Sporting Results.

10.58 p.m.—Weather forecast.

11 p.m.—God Save The King.

4QG, BRISBANE

SATURDAY, 3rd NOVEMBER, 1928.

EARLY MORNING SESSION.

8 a.m.—This morning's news, supplied by
courtesy of the Brisbane Metropolitan Daily
Newspapers.

8.30 a.m.—Close down.

NO MORNING SESSION.

NO MIDDAY TRANSMISSION.

AFTERNOON SESSION.

The Q.T.C. race meeting will be relayed from
Ascot Racecourse. Transmission will com-
mence with the start of the race.

5 p.m.—Close down.

EARLY EVENING SESSION.

6 p.m.—Mail train running times. Special
"Queenslander" bi-weekly news service for
distant listeners.

6.30 p.m.—Bedtime stories conducted by
"Uncles" Ben and Pete.

7.15 p.m.—To-day's race results in brief.

7.20 p.m.—General sporting notes.

7.30 p.m.—Sailing notes by Mr. Fred Smith.

NIGHT SESSION.

8 p.m.—From The Savoy Theatre: Orchestral
Music.

At suitable times during the evening des-
cription of the boxing contests will be relayed
from the Brisbane Stadium.

It is impossible to state the exact times
at which boxing descriptions will be relayed,
owing to the uncertainty of the times of
commencement of the various bouts.

Description of the main events will also
be relayed from the Davies Park Speedway.

9.30 p.m.—From Lennon's Ballroom:

Dance music.

10 p.m.—From the Studio:

Late news, weather news.

Close down.

5CL, ADELAIDE

SATURDAY, 3rd NOVEMBER, 1928.

MORNING SESSION.

11 a.m.—G.P.O. Chimes.

11.1 a.m.—Special late selections for Fleming-
ton races supplied by Mr. Eric Welch, 3LO's
Special Sporting Commissioner.

11.3 a.m.—"The Advertiser" general news ser-
vice.

11.15 a.m.—British Official Wireless news.

11.20 a.m.—Studio "Recreator":

Recital of Parlophone recordings.

11.45 a.m.—Special late selections for Fleming-
ton races supplied by Mr. Eric Welch, 3LO's
Special Sporting Commissioner.

11.48 a.m.—Studio "Recreator":

Recital of Parlophone recordings.

11.55 a.m.—5CL's Sporting Calendar.

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

AFTERNOON SESSION.

12.30 p.m. (Approx.)—Relay from Strathalbyn
racecourse. A running description of Stra-
thalbyn Racing Club's Meeting by Mr.
Arnold Treloar.

2.45 p.m.—From Flemington Racecourse:

A running description of the Victoria Derby,
of one mile and half, by Mr. Eric Welch.

3.20 p.m.—From Flemington Racecourse:

A running description of the Cantala Stakes,
of one mile, by Mr. Eric Welch.

The above will be interspersed with musical
numbers by Len Maurice, Molly Mackay,
Ida Newton, Joe Brennan, and selections on
the Studio "Recreator."

5 p.m. (Approx.)—Close down.

EVENING SESSION.

6 p.m.—G.P.O. Chimes.

6.1 p.m.—Children's Happy Moments:

Birthday Greetings, Correspondence, Songs
and stories by "The Wattle Lady."

6.30 p.m.—Dinner Music:

Recital of Parlophone Recordings on the
Studio "Recreator."

10 p.m.—G.P.O. Chimes.

10.1 p.m.—5CL's Sporting service by "Silvius."

10.10 p.m.—The Maison Dance Band. Trans-
mitted from Glenelg:

Dance numbers.

10.57 p.m.—Meteorological information, and
Programme announcements.

11 p.m.—God Save The King.

6WF, PERTH.

SATURDAY, 3rd NOVEMBER, 1928.

12 noon.—Tune in.

12.5 p.m.—Musical programme, including
piano-forte selections by Miss Audrey Dean.

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.
Station announcements.
1.2 p.m.—Close down.

AFTERNOON SESSION.

3.15 p.m.—Tune in.
3.20 p.m.—Sporting Session.
Racing results and general sporting news.
Musical programme from the Studio, including vocal and instrumental numbers.
3.15 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.
6.48 p.m.—Stories for the Kiddies by Uncle Duffy and the Radio Bird.
Fairy stories for the Tiny Tots by Auntie Amy.
7.5 p.m.—Sports results.
7.30 p.m.—Markets, news and cables.
7.45 p.m.—Talk.
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.—Music and Song:
Musical programme from the studio, including vocal and instrumental artists.
Motor cycling events described in detail, relayed from Claremont Speedway.
9 p.m.—Late News items by courtesy of "The Daily News" Newspaper Co.
Ships within range announcement.
Weather report and forecast.
Station announcements.
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, 3rd NOVEMBER, 1928.

MIDDAY SESSION.

Transmission from the North Hobart Ground:
11.15 a.m.—Description of Secondary Schools' Cricket Match, Hutchins v. St. Virgils, at North Hobart Ground.
11.30 a.m.—His Master's Voice in Moments Merry and Musical.
11.40 a.m.—Description of Secondary Schools' Cricket Match, Hutchins v. St. Virgils, at North Hobart Ground.
11.55 a.m.—Tasmanian Stations 9 a.m. Weather Report.
12 noon.—G.P.O. Clock chimes the hour.
12.1 p.m.—Shipping information. Ships within wireless range. Mail notices. Commercial news. Housewives' guide.
12.3 p.m.—His Master's Voice in Moments Merry and Musical.
12.15 p.m.—Description of Secondary Schools' Cricket Match, Hutchins v. St. Virgils, at North Hobart Ground.
12.30 p.m.—Anticipations: 3LO Sporting Commissioner, Last minutes Selections for Melbourne Races.
12.35 p.m.—Results of Secondary Schools' Cricket Match, Hutchins v. St. Virgils, Friends v. Clemes.
12.38 p.m.—His Master's Voice in Moments Merry and Musical.
12.55 p.m.—"Mercury" News Service. Produce sales held at Railway.
1 p.m.—Running description of the Maiden Plate, 1 mile, run at Flemington, Victoria.
1.5 p.m.—His Master's Voice in Moments Merry and Musical.
1.40 p.m.—Running description of Maribyrong Plate, 5 furlongs, run at Flemington, Victoria.
1.45 p.m.—Close down.
2.35 p.m.—Running description of Melbourne Stakes, 1½ miles, run at Flemington, Victoria.
2.40 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Clock chimes the hour.
3.1 p.m.—Transmission from T.C.A. Ground: Cricket Match described by A. M. O'Leary.
3.15 p.m.—Running description of Victoria Derby, 1½ miles, run at Flemington, Victoria.
3.20 p.m.—Transmission from T.C.A. Ground: Cricket Match described by A. M. O'Leary.
3.50 p.m.—Running description of Cantala Stakes, 1 mile, run at Flemington, Victoria.
3.55 p.m.—His Master's Voice in Moments Merry and Musical.
4.15 p.m.—Transmission from T.C.A. Ground: Cricket Match described by A. M. O'Leary.
4.30 p.m.—Running Description of Hotham Handicap, 1½ miles, run at Flemington, Victoria.
4.35 p.m.—His Master's Voice in Moments Merry and Musical.
4.45 p.m.—Transmission from T.C.A. Ground: Cricket Match described by A. M. O'Leary.
4.55 p.m.—All Sporting Results to hand.
5 p.m.—Close down.
During the afternoon results will be given of the Tasmanian Turf Club, Northall Park Trots. Axeman's Carnival, Ulverstone, and Interstate Results.

EARLY EVENING SESSION.

6 p.m.—All Sporting Results to hand.
6.15 p.m.—His Master's Voice in Moments Merry and Musical.
6.45 p.m.—"Uncle David" will entertain the Wee Folk.
7 p.m.—Answers to Letters and Birthday Greetings by "Uncle David."
7.5 p.m.—His Master's Voice in Moments Merry and Musical.
7.15 p.m.—"Mercury" special information.
Hobart Stock Exchange quotations. Today's Athletics, Racing, Cricket. "Mercury," late Sporting. Results of New Town Egg Laying Competition. Homing.

EVENING SESSION.

7.30 p.m.—Edward Nash will speak on: "Personal Recollections of Early Whaling Days in Tasmania."
7.45 p.m.—Walter Lindrum, Australia's Champion Billiardist, will speak on: "Billiard Table Accessories and the Marker's Job."
8 p.m.—G.P.O. Clock chimes the hour.
8.1 p.m.—Fifty Years Ago To-day.
8.6 p.m.—Melody Making Moments.
8.30 p.m.—Transmission from the Continental, Macquarie Street, Hobart:
Dance Music by Continental Orchestra (Conductor, Theo Pipkin), interspersed with Gramophone Records and Player Rolls.
Continental Orchestra.
From the Studio:

NEWS SESSION.

10.20 p.m.—British Official Wireless News.
"Mercury" Special Interstate News Service.
Ships within Wireless Range Tasmanian District Weather Reports.
"God Save the King."

Sunday, November 4

New South Wales Broadcasting Company, Limited.

2FC, SERVICE.

MORNING SESSION.

10.0 a.m.—"Big Ben" and Announcements.
10.2 a.m.—Studio Music.
10.15 a.m.—News Service.
10.30 a.m.—Studio Music.
11.0 a.m.—"Big Ben."
From St. John's (Church of England), Balmain: The Morning Service, conducted by Rev. Arthur G. Rix.
12.15 p.m.—Close Down.

AFTERNOON SESSION.

2.30 p.m.—Programme Announcements.
2.35 p.m.—The Children's Session, conducted by Mr. Frank Grose.
2.50 p.m.—From the Arcadia Theatre, Chatswood:
Selection on the "Wurlitzer" Organ by G. A. Robins.
3.0 p.m.—Introduction of Lecturer:
Lecture on Christian Science, by Mr. W. Stuart Booth, C.S.B., of Denver, Colorado.
4.10 p.m.—From the Studio:
Kathleen Roe, Pianoforte Solos:
(a) "Mediterranean" (Arnold Bax).
(b) "Christmas Day in the Morning" (Gustave Holst).
(c) "Toccata on a Bagpipe Tune" (Holst).
4.18 p.m.—Studio Music.
4.28 p.m.—Mr. and Mrs. F. H. Faulkner, Blind Artists:
Organ Solo, "Andante-Adargo" (Rink), Mr. F. H. Faulkner.
Contralto, "When the Tide Comes in" (Barnby).
"Angels Ever Bright and Fair" (Handel).
Mrs. F. H. Faulkner.
4.45 p.m.—Studio Music.
4.48 p.m.—Kathleen Roe, Pianoforte Solos:
(a) "Fantaisie Op. 49" (Chopin).
(b) "Toccata" (Bennett).
5.0 p.m.—"Big Ben." Close Down.

EVENING SESSION.

6.0 p.m.—"Big Ben" and Announcements.
6.2 p.m.—John Fitzer (Baritone), and Jean Darling (Contralto):
Duet, "Oh, Lovely Night" (Ronald).
Solo, "The Living God" (O'Hara), John Fitzer.
6.11 p.m.—Carlton Fay (Pianoforte), and Daisy Richards (Violin).
6.30 p.m.—John Fitzer (Baritone), and Jean Darling (Contralto):
Duet, "A Night in Venice" (Antoni).
Solo, "When the Night With Silly Silence" (Robertson).
6.41 p.m.—Carlton Fay (Pianoforte), and Daisy Richards (Violin).
6.55 p.m.—Jean Darling, Contralto:
"Slave Song" (Riego).
7.0 p.m.—"Big Ben." From St. Mark's, Darling Point: The Evening Service.
Preacher, Canon Hirst, Rector of Cooma.
8.30 p.m.—From the Studio:
Mischa Dobrinski, Violinist:
(a) "Mescicana" (Barlow), (arr. Zimbalist).
(b) "Carnival Russe" (Wieniawski).
8.39 p.m.—Gwladys Evans, Soprano:
(a) "The Bitterness of Love" (James Dunn).
(b) "Pleading" (Elgar).
8.46 p.m.—Ramond Lambert, Belgian Pianist:
(a) "Pastorale et Caprice" (Scarlatti).
(b) "Ballad in G Minor" (Chopin).
8.56 p.m.—Arthur Aldridge, Tenor:
9.4 p.m.—Madame Evelyn Grieg, Dulcitone Solos:
(a) "Loure" (Bach).
(b) "Andante" (Gluck).
(c) "Bouree" (Handel).
9.13 p.m.—Gwladys Evans, Soprano:
(a) "A Song Remembered" (Coates).
(b) Request Item.
9.21 p.m.—Mischa Dobrinski, Violinist:
(a) "Stimmungen" (Achron).
(b) "La fille aux cheveux de lin" (Debussy).
(c) "Turkish March" (Beethoven).
9.31 p.m.—Arthur Aldridge, Tenor:
9.40 p.m.—Madame Evelyn Grieg, Dulcitone Solos:
(a) "Minuet" (Mozart).
(b) Selection of Old Scotch Melodies.
9.48 p.m.—Raymond Lambert, Belgian Pianist:
(a) "Rhapsodie No. 9" (Liszt).
9.58 p.m.—Gwladys Evans, Soprano:
10.2 p.m.—Pianoforte Recital of the Lighter Classics.
10.30 p.m.—National Anthem. Close Down.
Horace Keats, Accompanist.

2BL, SERVICE.

SUNDAY, 4th NOVEMBER, 1928.

MIDDAY SESSION.

11 a.m.—G.P.O. Clock and Chimes.
Service broadcast from Randwick Presbyterian Church.
Minister, Rev. W. J. Grant.

- 12.15 p.m.—"Sun" News Service.
 12.30 p.m.—Musical programme from the Studio.
 2 p.m.—G.P.O. Clock and Chimes.
 Close down.

AFTERNOON SESSION.

- 2 p.m.—G.P.O. Clock and Chimes.
 Pleasant Sunday Afternoon broadcast from Newtown Methodist Mission.
 4 p.m.—The Manly Municipal Military Band (Conductor, Mr. J. Pheloung), broadcast from Ocean Beach, Manly.
 5 p.m.—G.P.O. Clock and Chimes.
 Close down.

EVENING SESSION.

- 5.40 p.m.—Children's Session: Uncle Bas and the Kiddies.
 7 p.m.—Service broadcast from Petersham Baptist Church.
 Minister, Rev. G. A. Craike.
 8.30 p.m.—The Manly Municipal Military Band broadcast from Ocean Beach, Manly:
 (a) Overture, "Land of Mountain and Flat" (MacCunn).
 (b) "Serenata" (Toselli).
 (c) Fox Trot, "Mary Ann."
 (d) Selection, "Lucia di Lammermoor" (Donizetti).
 (e) Fox Trot, "Sunshine."
 (f) Waltz, "Spanish Weisen."
 (g) March, "Hero of the Game."
 9.30 p.m.—From the Studio:
 Miss Leonore Gotsch, soprano:
 (a) "Mein Lieb" (Taubert).
 (b) "Erfullung" (Cornelius).
 (c) "Die Benehrte" (Wolf).
 9.37 p.m.—Mr. Bryce Carter, cellist.
 "Melodie" (Gluck).
 9.44 p.m.—Miss Leonore Gotsch:
 (a) "Blumengruss" (Wolf).
 (b) "Isolde's Verklarung" (Wagner).
 9.51 p.m.—Resume of following day's programme.
 Weather report and forecast by courtesy of Government Meteorologist.
 9.53 p.m.—Mr. Bryce Carter:
 (a) "Elegie" (Van Goens).
 (b) "Minuette" (Becker).
 10 p.m.—G.P.O. Clock and Chimes.
 National Anthem.

2GB, SYDNEY.

SUNDAY, 4th NOVEMBER, 1928.

MORNING SESSION.

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

EVENING SESSION.

- 7 p.m.—Lecture from Adyar Hall.
 8.15 p.m.—Songs by Mr. Robert Scott.
 8.22 p.m.—Pianoforte solos by Miss Mollie Jones.
 8.30 p.m.—Songs by Miss Nance Marley.
 8.37 p.m.—Songs by Mr. Clement Hosking.
 8.44 p.m.—Violin solos by Mr. Cecil Berry.
 8.52 p.m.—Songs by Miss Elsie Brown.
 8.59 p.m.—Songs, by Mr. Robert Scott.
 9.6 p.m.—Pianoforte solos, by Miss Mollie Jones.
 9.13 p.m.—Songs, by Miss Nance Marley.
 9.20 p.m.—Songs by Mr. Clement Hosking.
 9.27 p.m.—Violin solos, by Mr. Cecil Berry.
 9.34 p.m.—Songs, by Miss Elsie Brown.
 9.41 p.m.—Close down.

3LO, MELBOURNE

SUNDAY, 4th NOVEMBER, 1928.

MORNING SESSION.

- 10.30 a.m.—Bells from St. Paul's Cathedral, Melbourne.
 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 Wesley Church, Lonsdale Street Melbourne.
 Doxology.
 Invocation.
 Hymn, "O Worship the King all Glorious Above."
 Prayer.
 Hymn "Sometimes a Light Surprises."
 Solo.
 Scripture Reading Psalm 42.
 Anthem.
 Notices and Offering.
 Children's Hymn "One There is Above All Others."
 SERMON.
 Hymn "Give to the Winds Thy Fears."
 Benediction.

- 12.15 p.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—SONORA RECITAL of the World's most famous Records.

1. INSTRUMENTAL TRIO.
 "To the Memory of a Great Artist."
 Trio No. 2 Op. 50 (Tchaikowsky).
 Arthur Catterall violin; W. H. Squire cello, and William Murdoch, Piano.
 Part 1. Pezzo elegiaco (continued).
 Part 2. Pezzo elegiaco (continued).
 Part 3. Pezzo elegiaco (continued).
 Part 4. Pezzo elegiaco (continued).
 Part 5. Pezzo elegiaco (concluded).
 Part 6. Tema con variazioni (continued).
 Part 7. Tema con variazioni (continued).
 Part 8. Tema con variazioni (continued).
 Part 9. Tema con variazioni (continued).
 Part 10. Tema con variazioni (continued).
 Part 11. Tema con variazioni (continued).
 Part 12. Tema con variazioni (concluded).

2. SONG.
 "Nur, Wer Die Sehnsucht Kennt."
 (Tchaikowsky).
 (Ye who have yearned alone.)
 Maria Kurenko, Soprano.

3. SONG.
 "I Hear a Thrush at Eve" (Wakefield and Eberhart).
 Charles Hackett, Tenor.

4. ORGAN SOLOS:
 "Four Indian Love Lyrics" (Amy Woodforde Linden) (Pattman).
 (a) Temple Bells; (b) Less Than the Dust;
 (c) Kashmiri Song; (d) Till I Wake.
 5.—VIOLIN SOLO:
 "Elegie" (Massenet).
 ALBERT SAMMONS.

- 6.—SONG: "Time to Go"—a Shanty Ballad (Weatherly and Sanderson).
 MALCOLLM McEACHERN, Basso:
 7.—VIOLIN SOLO: "To a Wild Rose" (MacDowell and Hartmann).
 SASCHA JACOBSEN.

- 3 p.m.—PLEASANT SUNDAY AFTERNOON SERVICE, CENTRAL MISSION, WESLEY CHURCH, Lonsdale-street, Melbourne.
 Chairman: Rev. J. H. CAIN.
 Hymn No. 43: "Light of the World."
 Prayer, Rev. C. Irving Benson.
 Orchestral Selection, G. M. Williams, conductor.
 Hymn No. 114: "God Bless Our Native Land."
 Solo: Mabel White.
 Orchestra.
 Solo: Mabel White.
 Notices.
 Offering.
 Orchestra.
 ADDRESS.
 National Anthem.
 Benediction.
 Orchestra.
 4.30 p.m.—Under the auspices of the Victorian Band of Hope—MISS ANDREWS, State Secretary, will speak.
 4.45 p.m.—Close down.

EVENING SESSION.

- 5.45 p.m.—Shipping information.
 5.47 p.m.—Answers to Letters and Birthday Greetings by "BILLY BUNNY."
 6.25 p.m.—"ROTHER BILL":
 "Ask, Seek, and Knock."
 6.45 p.m.—Bells from St. Paul's Cathedral.

NIGHT SESSION.

- 7 p.m.—EVENING SERVICE from St. Paul's Cathedral, Melbourne.

- Hymn (A. and M.) 427, "Who are These Stars Appearing?"
 Sentence.

- Exhortation.
 General Confession.
 Absolution.
 The Lord's Prayer.
 Versicles and Responses (Festal).
 Psalms 22 and 23.
 First Lesson.
 Magnificat.
 2nd Lesson.
 Nunc Dimittis.
 The Apostles' Creed.
 The Collects.
 Anthem, "O, How Glorious" (Harwood).
 Prayers.

- Hymn 428, "The Saints of God."
 SERMON, "The Archbishop."
 Hymn 437, "For all the Saints."
 The Blessing.
 This will be the occasion of the first sermon of the Archbishop since his return from England.

- 8.30 p.m.—Programme announcements and Birthday Greetings.

- 8.32 p.m.—MALVERN TRAMWAYS BAND:
 Overture "Rouge et Noir" (Trussell).

- 8.40 p.m.—ERIC JONES, Baritone:—Winner of the competition held in connection with the Welsh Delegation, Victorian Division, also Aggregate for Australia at the recent South Street Competitions:
 "Tangi" (Hill).
 "Sacrament" (McDiarmid).

- 8.47 p.m.—MALVERN TRAMWAYS BAND:
 Selection, "William Tell" (Rossini).

- 9 p.m.—EDWARD GOLL, Piano:
 "Minuet and Allegretto"—Op. 78 (Schubert)
 Berceuse and Study.
 "The Butterfly" (Chopin).

- "Fire Music" (Wagner-Brassin).
 9.30 p.m.—MALVERN TRAMWAYS BAND:
 March, "Unter dem Siegesbanner" (Von Blon).

- 9.35 p.m.—ERIC JONES, Baritone:
 "King Saul" (Moussorgsky).
 "The Blind Ploughman" (Clarke).

- 9.42 p.m.—MALVERN TRAMWAYS BAND:
 Cornet Solo, "Because" (D'Hardelot).
 Soloist: J. ALWAY.

- March, "The Northumbrian" (Rimmer).
 9.50 p.m.—"Argus" news service. Announcements. Meteorological information.
 10 p.m.—Close down.

3AR, MELBOURNE.

SUNDAY, 4th NOVEMBER, 1928.

MORNING SESSION.

- 10.45 a.m.—Announcements.
 11 a.m.—Pioneer Service from St. James' Old Cathedral:
 Hymn, "Thy Hand, O God, has Guided."
 National Anthem.
 Venite.
 Psalm 145.
 1st Lesson, Isaiah 55.
 Te Deum, "Stanford in B Flat."
 2nd Lesson, 1st Epistle St. Peter, 2nd Chapter, 1-17.
 Benedictus (Chanted).
 Anthem, "Hymn to the Trinity" (Tchaikowsky).
 Hymn, "O, God of Earth and Altar" (Ches-terton).
 Sermon, Archbishop Lees, Archbishop of Melbourne.
 Hymn, "O Lord and Master of Us All."
 Benediction.
 "Hallelujah Chorus" (Handel).
 "O God Our Help in Ages Past."

MORNING MUSICAL SESSION.

- 12.15 p.m.—A Recital of Old Masters.
 2 p.m.—Close down.

AFTERNOON SESSION.

- 3 p.m.—Grand Masonic Choral Service, transmitted from the Theatre Royal, Melbourne.
 Hon. organiser, Wor. Bro. Albert E. Wright.
 Hon. Sec., Wor. Bro. L. W. Thomas.

Part 1.

The Victorian Railways Institute Orchestra. Conductor, A. Belcher.
Overture, "Ruy Blas" (Mendelssohn).
Ella Riddell, contralto:
"There is a Land" (Allitsen).
"Daffodils a'Blowing" (Edward German).
Concordists' Male Quartet:
"Negro Spirituals" (Burleigh).
The Victorian Postal Institute Choir, Conductor, George English:
Choral, "My Soul, There is a Country Far Beyond the Stars" (Parry).
Tom Masters, tenor:
"The Old Refrain" (Kreisler).
Emily Robertson, recital:
"A Sililoquy on an Old Shoe" (Carter).
The Victorian Railways Institute Orchestra:
"Ballet Music" from "Faust" (Gounod).
Charles J. Parnham, baritone:
"Give" (Hermann Lohrer).
The Victorian Postal Institute Choir:
Choral, "Hymn to the Soul" (Jenkins).
Ernest Wilson, baritone:
"She Alone Charmeth My Sadness" (Gounod).
Donald McBeath, violin:
Selected.
The Victorian Postal Institute Choir:
Choral, "Sweet and Low" (Barnby).
"Song of the Volga Boatman" (Fagge).
Jessie McMichael, soprano:
"A Christmas Song" (Pietro).
Stanley Brookes, Dickensian Recital:
"Sam Weller Tells Mr. Pickwick a Story" (Dickens).
The Victorian Railways Institute Orchestra:
Grand March from "Tannhauser" (Wagner).
"God Save the King."
4.30 p.m.—Close down.

CHILDREN'S SESSION.

5 p.m.—"Brer Rabbit" in a Special Children's Session.

EVENING SESSION.

5.30 p.m.—A reproduction of master musicians and their art.

NIGHT SESSION.

8 p.m.—Strad Trio—Cecil Parker, violin; May Broderick, piano; Frank Johnstone, 'cello:
"Trio in B Flat" (Mozart).
"Allegro."
"Larghetto."
"Allegretto."
8.18 p.m.—Marjory Kuring, contralto:
"Romance" from "Faust" (Gounod).
"Lullaby" (Brahms).
8.25 p.m.—Norman Farmer, flautist:
"Scotch Fantasia" (A. Weston Pett).
"Serenade" (Kohler).
8.33 p.m.—Tom Foster, tenor:
"Songs my Mother Taught Me" (Dvorak).
"Ah! Moon of my Delight" (Lehmann).
8.40 p.m.—May Broderick, piano:
"Arabesque" (Debussy).
"Waltz" (Brahms).
"Waltz" (Chopin).
"Octave Study" (Czerny).
8.47 p.m.—J. Howlett Ross:
"Great Australians."
9.7 p.m.—Marjory Kuring and Tom Foster:
Duets, "Night of Stars" (Offenbach).
"Somewhere a Voice is Calling."
9.14 p.m.—Norman Farmer, flautist:
"Wiegenlied" (Hauser).
"Hunting Song" (Anderson).
"Idylle" (Buchner).
9.20 p.m.—Marjory Kuring, contralto:
"Western Wind" (May Brahe).
"Prelude" (Landon Ronald).
8.27 p.m.—Cecil Parkes, violin:
"Sonata in A" (Handel).
"Andante."
"Adagio—Allegretto."
9.37 p.m.—Tom Foster, tenor:
"The Little Irish Girl" (Herman Lohr).
"Mountain Lovers" (W. H. Squire).
9.44 p.m.—Strad Trio:
"Drink to Me Only" (arr. Cecil Parkes).
"Cannon" (Lavater).
"Scherzo" (Keissiger).
9.52 p.m.—"Age" news service, exclusive to 3AR.
9.58 p.m.—Weather forecast.
9.59 p.m.—Our Australian Good-night Quote.

4QG, BRISBANE

SUNDAY, 4th NOVEMBER, 1928.

MORNING SESSION.

11 a.m.—From All Saints: Morning service.
12.30 p.m.—Close down.

AFTERNOON SESSION.

3.15 p.m.—From the Botanic Gardens:
Band concert.
4.30 p.m.—Close down.

EARLY EVENING SESSION.

An H.M.S. service from the City Tabernacle.
6.15 p.m.—From The City Tabernacle.
City Tabernacle Choir (Conductor, Mr. Sydney May):
"One Sweetly Solemn Thought" (Knapton).
Devotional Exercises:
Mr. A. E. Bickmore, Chairman Baptist Homes Missions.
City Tabernacle Choir:
"How Lovely Are the Messengers" (Mendelssohn).
Descriptive Chat:
"When the Bush Calls"—by Rev. B. Hewison (Baptist Superintendent Home Missions).
City Tabernacle Choir:
"Saviour, Thy Children Keep."
7 p.m.—Conclusion.

NIGHT SESSION.

7 p.m.—From All Saints' Church of England:
Children's service.
7.30 p.m.—Evening service.
At the conclusion of the church service, the concert by the Brisbane Municipal Concert Band will be relayed from Wickham Park.
Band concert.
9.30 p.m.—Close down.

5CL, ADELAIDE.

SUNDAY, 4th NOVEMBER, 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.—Morning Service from Pirie Street Methodist Church, (Church Anniversary).
Address by Rev. Professor Albiston, M.A., B.D. of Melbourne.
Special Choral Service.
Organist, Harold Parsons.
12.15 p.m.—British Official Wireless news.
12.20 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Chimes.
3.1 p.m.—A Studio "Recreator" recital:
Parlophone recordings.
4 p.m.—G.P.O. Chimes and close down.

EVENING SESSION.

6 p.m.—G.P.O. Chimes.
6.1 p.m.—"Auntie Peggy" with the children in Happy moments, Greetings, Stories, etc.
6.30 p.m.—"The Bird Lady" and her Junior Choir:
In Hymns and biblical Stories.
6.35 p.m.—Running time of the East-West Express and Station announcements.

NIGHT SESSION.

7 p.m.—G.P.O. Chimes.
7.1 p.m.—Evening Service from Archer Street Methodist Church, North Adelaide.
United service of Archer Street and Wellington Square Methodist Churches.
Soloists, Mrs. Harvey Kelly, contralto:
"Abide with me" (Liddle).
"Rock of Ages" (Jude).
Walter Wood, tenor:
"Then shall the righteous Shine" from "The Elijah."
Anthem:
"Awake thou that sleepest" from "The Daughter of Jairus."
Preacher: Rev. Arthur Lloyd.

8.20 p.m.—From the Studio:

Station Orchestra:
Lizette Foglia, Leader and violinist.
Tom King, pianist.
Geoff Goldsworthy, 'cello.
A. Harvey, double bass.
W. King, Clarinet.
A. V. Noske, flute.
Vern Rogers, cornet.
Ken Bray, drums and cymbals.
Overture, "Chal Romano" (Ketelby).
8.28 p.m.—Margery Walsh, soprano:
"In the garden of your heart" (Dorel).
"At Dawning" (Cadman).
8.35 p.m.—Station Orchestra:
"Valse in A Minor" (Chopin).
Characteristic, "Rocking Horse Parade" (Nicholls).
8.46 p.m.—Arnold Matters, baritone:
"Go lovely Rose" (Quilter).
"King Charles" (White).
8.54 p.m.—Lizette Foglia, violinist:
"Midnight Bells" (Kreisler).
8.59 p.m.—Station announcements.
9 p.m.—G.P.O. Chimes.
9.1 p.m.—Meteorological information.
9.2 p.m.—Margery Walsh, soprano:
"The Garden Enchanted" (Marshall).
"Rose Marie" (Friml).
9.9 p.m.—Station Orchestra:
Suite, "A day in a Florida Woodland" (Hager).
9.15 p.m.—George Whittle, entertainer:
"The Old man goes to town."
9.22 p.m.—Tom King, pianist:
"La Jongleuse" (Moszkowski).
9.27 p.m.—Arnold Matters, baritone:
"Hear me you winds and waves" (Handel).
"Cavalier" (Hickey).
9.34 p.m.—George Whittle, entertainer:
(a) "Watermill."
(b) "Not understood."
9.40 p.m.—Station Orchestra:
"Two Guitars" (Harry Horlick).
9.45 p.m.—P. H. Nicholls:
Talk, "Mendelssohn—Died 81 years ago to-day."
9.57 p.m.—Station Orchestra:
Tone Poem, "To you dear" (Leo Edwards).
10 p.m.—G.P.O. Chimes.
10.2 p.m.—God Save the King.

6WF, PERTH.

SUNDAY, 4th NOVEMBER, 1928.

MORNING SESSION.

10.25 a.m.—Tune in.
10.30 a.m.—Special half hour for the enthusiastic listener.
11 a.m.—Morning service relayed from Museum Street Baptist Church, Perth.
12.15 p.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—Tune in.
3.35 p.m.—Music and Song:
Musical programme from the studio, 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.
7.1 p.m.—Talk: "First Aid" by Dr. Winifred Holloway, of London.
7.15 p.m.—Children's bedtime stories.
7.30 p.m.—Evening service relayed from Trinity Church, Perth.
8.45 p.m.—A Relay:
After-church service and concert by the Perth City Band, conducted by Mr. L. M. Price, relayed from Queen's Hall.
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.

7ZL, HOBART

SUNDAY, 4th NOVEMBER, 1928.

MORNING SESSION.

10.45 a.m.—Bells from Trinity Church, Hobart.
11 a.m.—Transmission from Wesley Church, Melville Street, Hobart:
Hymn, No. 23, "Lord of all being."
Prayer and Lord's Prayer (Chanted).

Hymn No. 71, "Kindest Shepherd."
 Psalm, No. 121.
 Children's Hymn, No. 865, "Jesus when he
 left the Sky."
 Children's Address.
 Hymn No. 417, "Hark my soul."
 Sermon, Rev. A. Crookes Hull.
 Hymn No. 588, "O thou who Camest."
 Benediction.
 12.25 p.m.—Close down.

AFTERNOON SESSION.

3.30 p.m.—G.P.O. Clock chimes the hour.
 3.31 p.m.—Transmission from the Beaumaris
 Zoo:
 A Band Concert by the Municipal Band.
 (L. M. Barnett, Conductor.)
 4.30 p.m.—Close down.

EARLY EVENING SESSION.

6.30 p.m.—The Fairy Girl will tell a story to
 the children.
 6.45 p.m.—M'elie Columbia Broadcasts.

EVENING SESSION.

7 p.m.—Transmission from St. David's Cathed-
 ral, Murray Street, Hobart.
 8.25 p.m.—From the Studio:
 A Sacred Concert by the Discus Ensemble.
 Choir of the Temple Church London:
 "O Come everyone that Thirsteth" (Men-
 delssohn).
 "I waited for the Lord" (Mendelssohn).
 Maartje Offers, contralto:
 "Agnus Dei."
 "Noel."
 W. H. Squire, 'Cello with Piano Accom-
 paniment:
 "Andante Religioso" (Thome).
 "Melodie" (Gluck-Squire).
 John Bonnee, the Boy soprano:
 "The Creation"—"With Verdure Clad."
 Grand Church Organ:
 "Jesus shall reign."
 "Dear Saviour ever at my side."
 Cornet solo with Grand Church Organ:
 "The Lost Chord" (Sullivan).
 "The Holy City" (Stephen Adams).
 Address in Verse, General Booth:
 "Through Jordan."
 "Please Sir save me."
 Clara Butt, contralto:
 "God shall wipe away all tears."
 "Abide with me."
 9.40 p.m.—News Session.
 "Mercury" special news service.
 Ships within wireless range.
 Weather information.
 British Official Wireless news.
 English Affairs and news.
 God Save The King.
 Close down.

Monday, November 5

New South Wales Broadcasting
 Company, Limited.

2FC, SERVICE.

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.
 7.5 a.m.—Studio Music.
 7.20 a.m.—Country Session: Official weather
 forecast, rainfall, temperatures, astronomi-
 cal memoranda, shipping intelligence, mail
 services, river reports.
 7.25 a.m.—Investment market, mining share
 market, metal quotations.
 9.35 a.m.—Wool sales, breadstuffs markets,
 interstate markets, produce markets.
 7.45 a.m.—"Sydney Morning Herald" sum-
 mary.
 7.50 a.m.—Studio Music.
 8 a.m.—"Big Ben." Close down.

MORNING SESSION.

10 a.m.—"Big Ben" and announcements.
 10.2 a.m.—Studio Music.
 10.10 a.m.—"Sydney Morning Herald" news
 service.

10.25 a.m.—Studio Music.
 10.30 a.m.—Last minute Sporting information.
 10.45 a.m.—A Talk on Home Cooking and
 Recipes by Miss Ruth Furst.
 11 a.m.—"Big Ben."
 A.P.A. and Reuter's Cable Services.
 11.5 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
 12.1 p.m.—Stock Exchange, first call.
 12.3 p.m.—Official weather forecast, rainfall.
 12.5 p.m.—Studio Music.
 12.15 p.m.—Rugby Wireless News.
 12.18 p.m.—A Reading.
 12.30 p.m.—Studio Music.
 1 p.m.—"Big Ben." Weather intelligence.
 1.3 p.m.—"Evening News" midday news ser-
 vice.
 Producers' Distributing Society's Report.
 1.20 p.m.—Studio Music.
 1.28 p.m.—Stock Exchange, second call.

AFTERNOON SESSION.

2.30 p.m.—Programme announcements.
 2.32 p.m.—Educational Session for the Schools:
 Subject, "Everyday Things of the Past,"
 interspersed with suitable music.
 3 p.m.—"Big Ben." Pianoforte reproduction.
 Note.—During the afternoon progress scores
 of the International Cricket Match, England
 versus Victoria, played at Melbourne, will be
 transmitted as received.
 3.15 p.m.—Radio Eisteddfod:
 A number of semi-finalists will be heard,
 drawn from the various sections, including
 vocal, instrumental, and humorous items.
 3.45 p.m.—A talk on Bridge.
 4 p.m.—"Big Ben."
 Patricia Raedon, soprano:
 (a) "The Kerry Dance" (Molloy).
 (b) "I'd be a Butterfly" (Woodman).
 4.5 p.m.—Dance Music.
 4.15 p.m.—William Batt, tenor:
 (a) "Land of Delight" (Wilfrid Sanderson).
 (b) "Love is Mine" (Gartner).
 4.23 p.m.—Pianoforte reproduction.
 4.33 p.m.—Mary MacCormack, mezzo.
 4.40 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 Children's Session, conducted
 by the "Hello Man."
 Letters and stories.
 6.15 p.m.—Music and entertainment.
 6.30 p.m.—Dalgety's market reports (wool,
 wheat and stock).
 6.40 p.m.—Fruit and vegetable markets.
 6.43 p.m.—Stock Exchange information.
 6.45 p.m.—Weather and Shipping News.
 6.48 p.m.—Rugby wireless news.
 6.50 p.m.—Late sporting news.
 7 p.m.—"Big Ben." Late news service.
 7.10 p.m.—The 2FC Dinner Quartet, conducted
 by Horace Keats:
 (a) "Apple Blossoms" (Siede).
 (b) "Two Eastern Songs" (Lang).
 (c) "Chant Sans Paroles" (Tchaikowsky).
 (d) "Americana" (Thurban).
 (e) "Liebestraum" (Liszt).
 (f) Suite from "The Conqueror" (German).

NIGHT SESSION.

7.40 p.m.—Programme Announcements.
 7.47 p.m.—Studio Music.
 7.50 p.m.—Cricket Resume for New Zealand
 Listeners.
 7.52 p.m.—Pianoforte Reproduction.
 8.0 p.m.—"Big Ben."
 The N.S.W. Broadcasting Company's Orches-
 tra, conducted by Willie Redstone.
 8.15 p.m.—From Melbourne:
 The N.S.W. Broadcasting Company's Rac-
 ing Commissioner will talk on the prospects
 of the Melbourne Cup to be run to-morrow.
 Approx.
 8.27 p.m.—From the Studio, Sydney:
 The N.S.W. Broadcasting Company's
 Orchestra.

8.42 p.m.—Rosina Madell, Soprano:
 (a) "Over the Meadow" (Carew).
 (b) Request number.
 8.50 p.m.—The N.S.W. Broadcasting Com-
 pany's Orchestra.
 9.5 p.m.—Late Weather Forecast.
 Mr. C. H. Berti will commence a series of
 talks entitled:
 "Tales R told," No. 1.
 9.20 p.m.—The N.S.W. Broadcasting Com-
 pany's Orchestra.
 9.35 p.m.—Rosina Madell, Soprano:
 (a) "Havenera," from "Carmen" (Bizet).
 (b) "Spring is Here."
 9.41 p.m.—Foster and Finlay, Musical
 Memories.
 9.51 p.m.—Charles Renton, Comedian:
 10.0 p.m.—"Big Ben."
 Foster and Finlay, Musical Memories.
 10.10 p.m.—Charles Renton, Comedian.
 10.17 p.m.—Dance Music.
 10.27 p.m.—To-morrow's Programme and
 Late News.
 10.30 p.m.—National Anthem. Close down.

2BL, SERVICE.

MONDAY, 5th NOVEMBER, 1928.

MORNING SESSION.

8 a.m.—G.P.O. Clock and chimes.
 Metropolitan Weather report.
 8.1 a.m.—State weather report.
 8.2 a.m.—Studio music.
 8.15 a.m.—G.P.O. Clock and chimes.
 News service from "The Daily Telegraph
 Pictorial."
 8.25 a.m.—Studio music.
 8.30 a.m.—G.P.O. Clock and chimes.
 Studio music.
 8.35 a.m.—Information, Mails, Shipping, ar-
 rivals, departures and sailings.
 8.38 a.m.—News from the "Daily Telegraph
 Pictorial."
 8.45 a.m.—G.P.O. Clock and chimes.
 Studio music.
 9 a.m.—G.P.O. Clock and chimes.
 Studio music.
 9.30 a.m.—Half an hour with silent friends.
 10 a.m.—G.P.O. Clock and chimes.
 Close down.

MIDDAY SESSION.

11 a.m.—G.P.O. Clock and chimes.
 Women's Session.
 Sporting talk by Miss Gwen Varley, Women's
 Sports Authority.
 11.15 a.m.—Electricity in the Home.
 11.15 a.m.—Talk on Electricity in the Home.
 12 noon.—G.P.O. Clock and chimes.
 Special Ocean Forecast and weather report.
 12.3 p.m.—Studio music.
 12.30 p.m.—Shipping and mails.
 12.35 p.m.—Market reports.
 12.48 p.m.—"Sun" midday news service.
 1 p.m.—Studio Music.
 1.30 p.m.—Talk to children and special enter-
 tainment for Children in Hospital.
 2 p.m.—G.P.O. Clock and chimes.
 Close down.

AFTERNOON SESSION.

Note: During the afternoon progress scores
 of the International Cricket Match, England
 versus Victoria, played at Melbourne, will be
 given.
 3.45 p.m.—G.P.O. Clock and chimes.
 Musical programme from the studio.
 4 p.m.—Romano's Restaurant Dance Orchestra
 broadcast from Romano's.
 4.10 p.m.—Miss Margaret Hunt, soprano:
 (a) "Golden Dangling Days" (Coningsby
 Clarke).
 (b) "The Net Mender" (Coningsby Clarke).
 4.17 p.m.—"Sun" News service.
 4.22 p.m.—Romano's Restaurant Dance Or-
 chestra.
 4.30 p.m.—Miss Mab Bowyer, contralto:
 (a) "Hymn to the Sun" (Beethoven).
 "Thou'rt lovely as a flower" (Schumann).
 4.37 p.m.—Romano's Restaurant Dance Orches-
 tra.
 4.45 p.m.—Miss Germaine Casier in Popular
 Items:
 (a) "Once Again" (Lumsdaine).
 (b) "You're a real sweetheart" (Friend).
 4.52 p.m.—"Sun" news service.

4.57 p.m.—Romano's Restaurant Dance Orchestra.
 5.5 p.m.—Miss Kathleen Roe, pianist:
 (a) "Capriccio" (Brahms).
 (b) "Rhapsodie" (Brahms).
 5.13 p.m.—Miss Margaret Hunt:
 (a) "Angels guard thee" (Godard).
 (b) "A little birdie" (Puccini).
 5.20 p.m.—"Sun" news service.
 5.25 p.m.—Miss Kathleen Roe:
 "Moonlight Sonata" (Beethoven).
 5.35 p.m.—Features of evening's programme.
 5.37 p.m.—Racing resume.

EARLY EVENING SESSION.

5.40 p.m.—Children's Music and entertainment.
 6 p.m.—Children's letters and stories.
 6.30 p.m.—"Sun" News and late sporting.
 6.40 p.m.—Gulbransen Dinner Music.
 7.10 p.m.—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.
 Grain and Fodder report ("Sun").
 Dairy Produce report ("Sun").
 7.25 p.m.—Pim and Pam in advertising talks and nonsense.
 7.55 p.m.—Programme and other announcements.

EVENING SESSION.

8 p.m.—G.P.O. Clock and Chimes.
 From the King's Cross Theatre: E. J. Roberts and the King's Cross Theatre Orchestra. At the Organ: Mr. Joseph Wayne.
 8.20 p.m.—From Paling's Concert Hall: The Welsh Choral Society (Conductor, Mr. E. H. Jones).
 8.35 p.m.—Talk on "Difficulties of Choosing a Stage Career and How to Overcome Them," by Mr. Jack Cannott.
 8.50 p.m.—Harry Graham and Dorothy Manning, entertainers:
 (a) "Duet, 'I Want to Settle Down'" (Foley).
 (b) "The Heart of a Rose" (Nicholls). Dorothy Manning.
 (c) Duet, "In My Museum" (Sterndale Bennett).
 9 p.m.—The Welsh Choral Society.
 9.15 p.m.—From the King's Cross Theatre: The King's Cross Theatre Orchestra.
 9.25 p.m.—Harry Graham and Dorothy Manning:
 (a) Duet, "Something borrowed, something blue" (Gallatly).
 (b) "I was a success at the dance" (Cliff). Harry Graham.
 (c) Duet, "Hello, my dainty flapper girl" (Woods).
 9.35 p.m.—Radio Eisteddfod: A number of semi-finalists will be heard, drawn from the various sections as follows:
 Choral Section: Choirs drawn from those entering under—Section 1, Church Choirs; Section 2, Mixed Choirs; Section 3, Male Choir; Section 4, Female Choir; Section 5, Mixed Quartette; Section 6, Male Quartette.
 Instrumental Section: Semi-finalists from the instrumental section include—Section 14, Championship Pianoforte Solo; Section 15, Pianoforte Solo, under 16 years of age.
 Popular Section: Semi-finalists from the Popular Section include—Section 27, Popular Vocalists; Section 28, Comedians; Section 29, Radio Review, and Section 30, Entertainers.
 10.45 p.m.—Resume of following day's programme.
 10.48 p.m.—Romano's Restaurant Dance Orchestra broadcast from Romano's. During intervals between dances "Sun" news will be broadcast.
 11.30 p.m.—National Anthem.

2GB, SYDNEY.

MONDAY, 5th NOVEMBER, 1928.

MORNING SESSION.

10 a.m.—Music.
 10.10 a.m.—Happiness Talk by A. E. Bennett.
 10.20 a.m.—Music.

10.30 a.m.—Women's Session by Miss Helen J. Beegling.
 11.30 a.m.—Close down.

AFTERNOON SESSION.

2 p.m.—Music.
 2.5 p.m.—Women's Session by Mrs. Dorothy Jordan.
 2.30 p.m.—Music.
 2.45 p.m.—Talk by Mr. H. Morton.
 3 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—Children's Session by Uncle George. Radio Movie Club.
 7 p.m.—Stock and Market reports by New Zealand Loan and Mercantile Agency Ltd.
 7.15 p.m.—Music.
 8 p.m.—Songs by Mr. Robert Cotterill.
 8.9 p.m.—Violin solos by Miss Phyllis Campbell.
 8.17 p.m.—Announcements.
 8.22 p.m.—Items by the Newtown Band.
 8.42 p.m.—Resume of Programme.
 8.45 p.m.—Address by Professor E. Wood.
 9 p.m.—Weather report.
 9.2 p.m.—Violin solos by Miss Phyllis Campbell.
 9.10 p.m.—Songs by Mr. Robert Cotterill.
 9.17 p.m.—Talk from the Radio Service Department, by Mr. Stan Crittendon.
 9.27 p.m.—Items by the Newton Band.
 10 p.m.—Close down.

3LO, MELBOURNE.

MONDAY, 5th NOVEMBER, 1928.

EARLY MORNING SESSION.

7.15 a.m.—Express train information.
 7.16 a.m.—Morning Melodies.
 7.20 a.m.—Morning Exercises to Music.
 7.30 a.m.—Stock Reports. Market Reports. General News. Shipping. Sporting information.
 8 a.m.—Melbourne Observatory Time Signal.
 8.1 a.m.—Morning Melodies.
 8.15 a.m.—Close down.

MORNING SESSION.

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

RECIPE—BEEF OLIVES.

1 lb. steak.
 1 dessertspoon chopped parsley.
 2 dessertspoons fat.
 Few drops lemon juice.
 Grated nutmeg.
 2 tablespoons breadcrumbs.
 ½ teaspoon thyme and marjoram.
 Salt and pepper.
 1 tablespoon flour.
 1 pint water or stock.
 Cut steak into pieces about 4 inches square. Make seasoning by mixing breadcrumbs, pepper, salt, herbs, and the fat, lemon juice and nutmeg together. Spread some of this mixture on each piece of meat and roll each piece in flour and tie firmly with piece of white string—or thread all on cooking needle or skewer. Put fat in saucepan; when hot brown rolls, and lift out meat. Pour fat off, add water or stock. When boiling return meat. Simmer for 1½ hours or until quite tender. Take meat (or olives) out, remove string carefully. Place on hot dish. Pour gravy over, and serve very hot.

11.5 a.m.—MISS OLGA PARKER—Stories to tell the children: "Shen of the Sea."
 11.20 a.m.—Musical interlude.
 11.25 a.m.—MISS E. NOBLE will speak on "Gas Cooking."
 11.40 a.m.—Musical interlude.
 11.45 a.m.—Under the auspices of the St. John Ambulance Association, MISS EDITH WELLS will speak on "Home Nursing."

MIDDAY SESSION.

12 noon—Melbourne Observatory Time Signal.
 Express train information.

12.1 p.m.—British Official Wireless news from Rugby. Reuter's and the Australian Press Association Cables. "Argus" news service.
 12.15 p.m.—Newmarket Stock Sales. Special report by John McNamara and Co.
 12.20 p.m.—COMMUNITY SINGING, transmitted from the Assembly Hall, Collins-street, Melbourne. Conductor, G. J. MACKAY. Assisted by:
 THE GYPSY PLAYERS.

Soloists:

FRENCH BROS. Banjoists:

"Side by Side."

MINNIE WAUGH, Soprano:

"What the Rain" (Chaminade).

"Snowflakes" (Cowan).

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

AFTERNOON SESSION.

2.15 p.m.—THE STATION ORCHESTRA: "The Language of Flowers," Part I. (Cowan).
 2.25 p.m.—ERNEST WILSON, Baritone: "Sea Fever" (Ireland). "Serenata" (Toselli).
 2.32 p.m.—THE STATION STRING QUARTETTE: "Second Movement Symphony," Part II. (Beethoven).
 2.42 p.m.—GUILDFORD BISHOP, Violin: "Simple Aveu" (Thome). Request Number.
 2.50 p.m.—MILLIE McCORMICK, mezzo-soprano: "Good Morning" (Grieg). "I Love Thee" (Grieg).
 2.57 p.m.—THE STATION ORCHESTRA: "Reminiscences of Grieg" (Arranged by Chas. Godfrey).
 3.7 p.m.—REG. BROWN, Piano: "Menuetto" (Grieg). "To the Spring" (Grieg). "Papillon" (Grieg).
 3.17 p.m.—MILLIE McCORMICK, mezzo-soprano: "A Lovely Evening" (Grieg). "The First Primrose" (Grieg).
 3.24 p.m.—THE STATION ORCHESTRA: "Allegretto from Sonata No. 2" (Grieg).
 3.30 p.m.—THE IMPERIAL RUSSIAN TRIO (Arved Norit, violin; John Berzinsky, cello; William Ibster, piano). "Trio D Minor" (Arensky). Allegro Moderato. Adagio. Arved Norit, violin: "Serenade" (Arensky). The Trio: "Scherzo" (Arensky).
 3.45 p.m.—ERNEST WILSON, Baritone: "It is Enough" (Mendelssohn). "On Wings of Song" (Mendelssohn).
 3.52 p.m.—TASMA TIERNAN, Cello: "Sonata—1st Movement" (Mendelssohn).
 4 p.m.—THE STATION ORCHESTRA: "Suite" (Mendelssohn).
 ORGAN RECITAL.
 4.10 p.m.—ORGAN RECITAL from St. Peter's Church, Eastern Hill, by C. E. MONTEATH, F.R.C.O.
 Excerpts from the Incidental Music to "The Midsummer Night's Dream" (Mendelssohn).
 "Fairies March"—Act II, Scene 2.
 "Intermezzo"—After Act II.
 "Nocturne"—After Act III.
 "Wedding March"—After Act IV.

FROM THE STUDIO.

MISCELLANEOUS GEMS.

4.30 p.m.—CHARLES ULIVI, Baritone (late of the Williamson Grand Opera Company). Selected.
 4.37 p.m.—THE STATION ORCHESTRA: Overture, "Leonore" (Beethoven).
 4.47 p.m.—CHARLES ANDERSON, Clarinet: "Robert tu Che Adoro" (Myerbeer).

NEWS SESSION.

5 p.m.—"Herald" News Service. Stock Exchange information.
 5.10 p.m.—Close down.
 6 p.m.—Answers to Letters and Birthday Greetings by "BILLY BUNNY."

6.25 p.m.—ST. MARK'S CHORISTERS:

"Cherry Ripe."
"Lift Thine Eyes"—from Elijah.
Hymn. "What a Friend"—by request.

6.37 p.m.—"BILLY BUNNY" has some more stories for the Little Ones.

NIGHT SESSION.

7.5 p.m.—Stock Exchange information.

7.15 p.m.—Official report of the Newmarket Stock Sales by the Associated Stock and Station Agents, Bourke-street, Melbourne. Fish Market reports by J. R. Borrett, Ltd. Rabbit prices. River reports. Market reports by the Victorian Producers' Co-operative Company, Ltd., Paultry, grain, hay, strak, jute, dairy produce, potatoes and onions. Market report of fruit by the Victorian Fruiterers' Association. Retail prices. Wholesale prices of fruit by the Wholesale Fruit Merchants' Association. Citrus fruits.

7.30 p.m.—News service. Stumps scores of the Cricket Match, England versus Victoria, at the M.C.G.

7.43 p.m.—Birthday Greetings.

7.45 p.m.—OUT OF THE PAST.

7.46 p.m.—Under the auspices of the Department of Agriculture, J. E. EAGLAND, Apiary Inspector: "Bee Diseases."

8 p.m.—A MAKER OF HISTORY.

8.1 p.m.—THE FAMOUS ENGLISH HUMPHREY BISHOP COMEDY AND OPERATIC COMPANY, assisted by THE STATION ORCHESTRA:

1. Overture, featuring the Orchestra of the Humphrey Bishop Musical Comedy Company.
2. Humphrey Bishop introduces his company.
3. Ragtime Ensemble, featuring Marie Landon, Alan Kitson, and the Company.
4. John Montfort, Maurice Taffey, and Walter Kingsley will sing, "Watchman."

5. Comedy interlude by George (Scratcher) Ross.

6. Cecilie Audibert and the Gentlemen in "Yvette."

7. Elaine May and Arthur Hemsley in Light Comedy.

8. Marie Landon, Cecilie Audibert, and Gwen Weston in

"An Afternoon Tea Party."

9. Thelma Trott and John Montfort in "Someday."

10. Arthur Hemsley, the Lancashire Comedian.

11. Cecilie Audibert and Alan Kitson in Song and Dance.

12. Walter Kingsley, the Eminent London Baritone.

13. The Femina Quartette—Thelma Trott, Elaine Maye, Cecilie Audibert, and Marie Landon in

"Mississippi Ripples."

"So's Your Old Lady."

14. George (Scratcher) Ross in further "Scratcherizing."

15. Novel Russian Song and Dance Scene. "The Volga Boatman"—Walter Kingsley and the Men.

"Petruska."

9.22 p.m.—PROFESSOR R. J. A. BERRY, M.D., F.R.C.S., F.R.S., University of Melbourne, will speak on "American Hotels."

9.37 p.m.—THE FAMOUS HUMPHREY BISHOP COMPANY—Continued.

16. Entrance by the Humphrey Bishop Company Orchestra.

17. Arthur Hemsley, the Lancashire Comedian, in

Light Comedy.

18. Thelma Trott and Maurice Taffey in "The Keys of Heaven."

19. Marie Landon and Arthur Hemsley in a light Comedy Sketch.

20. John Montfort, the English Tenor.

21. George (Scratcher) Ross, assisted by Elaine Maye, in a

Comedy Sketch.

22. The Original Humphrey Bishop Quintette—John Montfort, Maurice Taffey, Allan Kitson, Walter Kingsley, and Humphrey—in:

"California."

"Oh! Miss Hannah!"

23. Grand Finale: The Humphrey Bishop Company.

"Hi-diddle-diddle."

10.30 p.m.—ERIC WELCH will speak on the MELBOURNE CUP.

10.45 p.m.—THE STATION ORCHESTRA: Overture, "Fingal's Cave" (Mendelssohn).

10.55 p.m.—"Argus" News Service.

Meteorological information.

British Official Wireless news from Rugby. Announcements.

11.6 p.m.—THE RADI-O-ACES.

11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

MONDAY, 5th NOVEMBER, 1928.

MORNING NEWS SESSION.

10 a.m.—G.P.O. Clock says "Ten."

10.1 a.m.—"Age" Stock Exchange information. London Metal Market.

10.10 a.m.—"Age" Market reports: farm and station produce, fruit, fish, vegetables, etc.

10.25 a.m.—"Age" Shipping Reports. Ocean forecast.

10.30 a.m.—Mail notices. Express train information.

10.35 a.m.—"Age" News Service, exclusive to 3AR.

10.59 a.m.—Weather forecast.

MORNING MUSICAL SESSION.

11 a.m.—Radi-O-Aces:

"Down in Old Havana Town" (Cadsor).

"Hugs and Kisses" (Alter).

"Egypt" (Seamon).

11.10 a.m.—Winifred Greer, contralto:

"A Bowl of Roses" (Clarke).

"La Serenata."

11.17 a.m.—Radi-O-Aces:

"All Day Long" (Cross).

"Got a Big Date" (Tobias).

"Sunshine" (Berlin).

11.32 a.m.—Archie and Wattie:

Hearty Hilarities.

11.40 a.m.—Radi-O-Aces:

"Guatemala Melody" (Wenrich).

"Lauretta" (Lewis).

"Adoree" (Silver).

11.50 a.m.—Rita Hilton, comedienne:

"So's Your Old Lady."

"Hello Swanee" (Conslow and Britt).

11.57 a.m.—Radi-O-Aces:

"You've Got to Learn to Smile" (O'Hagan).

"Dear, On a Night Like This" (Conrad).

"Never Before, Never Again" (Chik).

12.7 p.m.—Winifred Greer, contralto:

"The Better Land" (Cowen).

"Vale" (Russell).

12.14 p.m.—Radi-O-Aces:

"Laugh, Clown, Laugh" (Young).

"There's Something About a Rose" (Kahal).

"Loved Me" (Wilson).

12.24 p.m.—British Official Wireless. Announcements.

12.34 p.m.—Archie and Wattie:

Humorous Humors.

12.41 p.m.—Radi-O-Aces:

"Fascinating Vamp" (Nussbaum).

"That's My Weakness Now" (Stent).

"Get Out, and Get Under the Moon" (Tobias).

12.52 p.m.—Rita Hilton, comedienne:

"Take Your Finger Out of Your Mouth."

"The Model" (Hardie and Down).

1 p.m.—Description of Cricket, England v. Victoria, at M.C.G., by Rod McGregor.

1.15 p.m.—Radi-O-Aces:

"What a Baby" (Whiting).

"The Whisper Song" (Friend).

"Keep Sweeping the Cobwebs" (Trent).

1.30 p.m.—Close down.

AFTERNOON SESSION.

It is what we think and what we do that makes us what we are.

2 p.m.—Description of Cricket, England v. Victoria, at M.C.G., by Rod McGregor.

4 p.m.—Interlude from the Studio.

4.15 p.m.—Resumption of Cricket.

6 p.m.—Stumps Scores.

EVENING SESSION.

6 p.m.—A Recital of the World's Greatest Masters.

NIGHT SESSION.

8 p.m.—E. C. H. Taylor:

"School Life and School Sports."

8.15 p.m.—Under the auspices of the League of Nations' Association, J. B. Howie:

"The Present Position of Disarmament."

8.30 p.m.—Under the auspices of the World Disarmament League, Rev. J. H. Raverty:

"Is Disarmament Practicable?"

8.40 p.m.—Pahran City Band:

March, "The Commonwealth" (Rimmer).

Overture, "The Calif of Bagdad" (Boildieu).

"Minuet in G" (Beethoven).

8.55 p.m.—Minnie Waugh, soprano:

"Nymphs and Fawns" (Bemberg).

"Thoughts have Wings" (Liza Lehmann).

9.2 p.m.—Norman Farmer, flautist:

"Butterfly" (Kohler).

"Valse Caprice" (Wood).

9.9 p.m.—Charles Ulivi, baritone, late of J. C. Williamson Ltd. Operatic Co.: Selected.

9.15 p.m.—Pahran City Band:

Selection, "H.M.S. Pinafore" (Sullivan).

9.25 p.m.—One Act Play: "Convict 893."

Produced by Dulcie Hall.

Characters:

Shirley Mason, a young girl of about 23.

Leslie Shannon, a young clergyman of about 23.

Time: Afternoon.

Scene: An outdoor country road with fork roads leading to left and right. A high powered motor car is standing facing the road leading to the right. As the play opens Shirley and Leslie are discovered seated on a log, and Leslie says—

9.40 p.m.—Imperial Russian Trio. Arrved Norit, violin; John Berzinsky, 'cello; William Ibster, piano:

'Cello, "Chanson Louis XIII. et pavane"

(Francoeur).

Violin, "La Plus Que Lente" (Debussy).

Trio, "Trio F Sharpe Minor" (Franck).

"Finale."

"Allegro Maestoso."

9.55 p.m.—Freda Colhoun, contralto:

"Ombra mai Fu" (Handel).

"To Music" (Schubert).

10.2 p.m.—Cricket Scores.

10.4 p.m.—Pahran City Band:

March, "The Virtusio" (Rimmer).

Intermezzo, "White Lillies" (Hume).

10.10 p.m.—Minnie Waugh, soprano:

"Wind's in the Trees" (Goring Thomas).

"Mignon" (Guy d'Hardelet).

10.17 p.m.—Norman Farmer, flute:

"Sanzlied" (Anderson).

"Pastorale" (Anderson).

"The Shepherd's Lament" (Kohler).

10.25 p.m.—Charles Ulivi, baritone:

Selected.

10.32 p.m.—Pahran City Band:

"Indian Love Lyrics" (Finden).

10.40 p.m.—Freda Colhoun, contralto:

"Dedication" (Franz).

"The Birth of Morn" (Leoni).

10.47 p.m.—Pahran City Band:

Selection, "Gems of the Masters" (Rimmer).

10.52 p.m.—"Age" News Service, exclusive to 3AR.

10.55 p.m.—Acceptances for Wednesday's Races.

10.58 p.m.—Weather forecast.

11 p.m.—"God Save the King."

4QG, BRISBANE.

MONDAY, 5th NOVEMBER, 1928.

EARLY MORNING SESSION.

THE NEWS OF THE DAY.

8 a.m.—This morning's news, supplied by courtesy of the Brisbane Metropolitan Daily Newspapers.

8.30 a.m.—Close down.

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

MIDDAY SESSION.

- 1 p.m.—Market reports and weather information.
1.15 p.m.—Lunch-hour music.
1.53 p.m.—Time signals.

AFTERNOON SESSION.

- 3 p.m.—From the Tivoli Theatre:
Orchestral music by the Tivoli Operatic Orchestra, under the baton of Mr. C. Groves.
3.30 p.m.—From the Studio:
Mail train running times.
3.31 p.m.—From the Tivoli Theatre:
Orchestral music.
4 p.m.—From the Studio:
A programme of electrically reproduced records.
4.15 p.m.—Afternoon news.

EARLY EVENING SESSION.

- 6 p.m.—From the Studio:
Mail train running times.
Shipping news.
5.5 p.m.—From the Paris Cafe:
Dinner music.
6.25 p.m.—From the Studio:
Commercial announcements.

THE CHILDREN'S HOUR.

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

LATE COMMERCIAL NEWS.

- 7 p.m.—News in brief.
7.6 p.m.—Metal quotations.
7.7 p.m.—Market reports.
7.25 p.m.—Fenwick's Stock report.
7.30 p.m.—Weather information.
7.40 p.m.—Announcements.
7.43 p.m.—Standard time signals.
7.45 p.m.—Lecturette: "Children's Music Corner," conducted by the "Music Man."

NIGHT SESSION.

PART I.

- An Australian Play "Dead Timber." (By Louis Esson).

CAST:

- Selector Ernest Barry.
Joe Ernest Barry.
Abe Ernest Barry.
Wife Dulcie Scott.
Mary Dulcie Scott.
8 p.m.—From the studio:
"Dead Timber."
PART II.—AN OLD-TIME PROGRAMME.
8.30 p.m.—From the Studio:
A programme of old-time songs and music.
Studio Orchestra (Conductor, A. R. Featherstone):
Selection, "Looking Backwards" (Finch).
8.35 p.m.—Annie Adams, soprano:
"Robin Adair" (Traditional).
"Killarney" (Balfe).
8.42 p.m.—Anglo Male Quartette:
"Poor Old Joe" (Foster).
8.40 p.m.—R. Kolb, tenor:
"Sally Horner" (King).
8.50 p.m.—Nat Gould, banjoist—in a group of old numbers.
8.55 p.m.—R. Kolb, tenor, and Dick Pike, bass:
Vocal duet, "Excelsior."
9 p.m.—Metropolitan weather forecast.
9.1 p.m.—Mary L. Spanjer, contralto:
"Ye Banks and Braes" (Traditional).
"Believe Me if All."
9.2 p.m.—The Studio Orchestra:
Valse, "Grand Opera Favorites" (Henneberg).
9.14 p.m.—Anglo Male Quartette:
"Old Folks at Home" (Foster).
"Old Kentucky Home" (Foster).
9.20 p.m.—Nat Gould, banjoist:
In an other group of old numbers.
9.26 p.m.—A. F. Stoddart, baritone:
"When Song is Sweet" (Sans Souci).
9.30 p.m.—R. Kolb, tenor, and Dick Pike, bass:
Vocal duet, "Your Eyes Have Told Me So."
9.35 p.m.—The Studio Orchestra:
"Love's Old Sweet Song" (Molloy).
"When You and I Were Young Maggie" (Butterfield).
9.41 p.m.—Dick Pike, bass:
"Out On the Rocks" (Dolby).
9.46 p.m.—Arthur Sharman, organist:
"Largo" (Handel).

9.50 p.m.—Anglo Male Quartette:

- "Genevieve" (Tucker).
9.5 p.m.—The Studio Orchestra:
Medley March, "Martial Moments" (Wurter).
10 p.m.—Anglo Male Quartette:
"Auld Lang Syne."
Late news, Weather news. Close down.

5CL, ADELAIDE.

MONDAY, 5th NOVEMBER, 1928.

MORNING SESSION.

- 11 a.m.—G.P.O. Chimes.
11.1 a.m.—Studio "Recreator":
Recital of Columbia recordings.
11.40 a.m.—"Economist":
Kitchen Craft and Menu talk.

MIDDAY SESSION.

- 12 noon.—G.P.O. Chimes.
12.1 p.m.—"The Advertiser" general news service.
12.20 p.m.—British Official Wireless news.
12.25 p.m.—Linda Wald, soprano:
"Mah-Lindy Lou" (Strickland).
"Your Kiss" (Bath).
12.32 Bertha Jones, violiniste:
"Sylvan Sketches" (Helm-Stoessel).
"Thais Meditation" (Marsick-Massenet).
12.39 p.m.—Herbert King, tenor:
"Nita Gitana" (Newton).
"Elucavan e stelle" (Puccini).
12.46 p.m.—Walter Hurst, pianist:
"Harlequin" (Chaminade).
12.50 p.m.—S. A. Railway information.
12.51 p.m.—S. C. Ward and Co.'s Stock Exchange information.
12.57 p.m.—Meteorological information.
1 p.m.—G.P.O. Chimes.
1.1 p.m.—Linda Wald, soprano:
"If June were mine" (Turvey).
"When shadows fall to-night" (Lehmann).
1.7 p.m.—Bertha Jones, violiniste:
"Slavonic Dance" (Dvorak-Kriesler).
"Melody in F" (Rubinstein).
1.14 p.m.—Herbert King, tenor:
"One little hour" (Sharpe).
"Kathleen Mavourneen" (Crouch).
1.21 p.m.—Lawrence Haggitt, organist: (From Flinders Street Baptist Church), Organ recital:
"Theme and Variations in B Flat" (Haigh).
"Evensong" (Bainstow).
1.31 p.m.—Howard Baurochse, tenor and George Cowley, baritone, vocal duetists:
"The Two Beggars" (Wilson).
"O lovely Night" (Ronald).
1.53 p.m.—Howard Baurochse, tenor, and Flinders Street Baptist Church), Organ recital:
"Intermezzo from Sonata in A Minor" (Rheinberger).
"Ave Maria" (Schubert).
1.45 p.m.—Howard Baurochse, tenor, and George Cowley, baritone, Vocal duetists:
"When Song is Sweet" (Sans Souci).
"The Water of the Minnetonka" (Lierance).
1.55 p.m.—Cricket scores of the Match, England versus Victoria.
1.58 p.m.—Meteorological information.
2 p.m.—G.L.O. Chimes, and close down.

AFTERNOON SESSION.

- 3 p.m.—G.P.O. Chimes.
3.1 p.m.—Regent Symphony Orchestra:
Symphonic and incidental music.
3.16 p.m.—Joe Brennan, and Ida Newton:
In droll humor.
3.17 p.m.—William Davies, xylophonist:
"The Skaters" (Waldteufel).
"The Rag Doll" (Brown).
3.24 p.m.—Molly Mackay, soprano:
"The Ash Grove" (Welsh Song).
"Nymphs and Sylphs" (Bemberry).
3.31 p.m.—Regent Theatre Musical Attractions:
Melodies enchanting.
3.41 p.m.—Wattie and Graham, entertainers:
A comedy sketch.
3.47 p.m.—William Davies, xylophonist:
"The Merry Widow" (Lehar).
3.45 p.m.—Joe Brennan, and Ida Newton:
Comedy songs and humor.

- 4.1 p.m.—Regent Theatre Musical Attractions:
Symphonic Selections.
4.11 p.m.—Molly Mackay, soprano.
"The Kerry Dance" (Molloy).
"Snowflakes" (Mollinson).
4.18 p.m.—Regent Theatre Musical Attractions:
Harmony for all.
4.25 p.m.—Wattie and Graham, entertainers:
In comedy sketches.
4.32 p.m.—Regent Theatre Musical Attractions:
Incidental music.
4.57 p.m.—S. C. Ward and Co.'s Stock Exchange information.
5 p.m.—G.F.O. Chimes, and close down.

EVENING SESSION.

- 6 p.m.—G.P.O. Chimes.
6.1 p.m.—Stamp scores, England versus Victoria, Cricket Match.
6.3 p.m.—Children's Happy Moments:
Birthday Greetings, Correspondence, Songs and stories by "Miss Wireless."
6.30 p.m.—Rev. E. S. Kiek. Talk on: "Guy Fawkes."
6.40 p.m.—Dinner Music:
Recital of H.M.V. recordings on the Studio "Recreator."
6.55 p.m.—Resume of International Cricket England versus Victoria.
7 p.m.—G.P.O. Chimes.
7.1 p.m.—S. C. Ward and Co.'s Stock Exchange information.
7.6 p.m.—General Market reports.
7.10 p.m.—5CL's Sporting Service by "Silvius"
A special late review of the Melbourne Cup and other races to be decided at Flemington to-morrow.
7.18 p.m.—Mr. C. F. Anderson, (Manager, Parafield Poultry Farm): Talk under the auspices of the Government Agricultural Department.
7.55 p.m.—5CL Twinkler Boys Club:
Entertainment by "The Twinkler."

NIGHT SESSION.

- 8 p.m.—G.P.O. Chimes.
8.1 p.m.—Holden's Silver Band:
March, "Australasian" (Rimmer).
Valse, "Bal Masque" (Fletcher).
8.2 p.m.—Molly Mackay, soprano:
"April Morn" (Ballen).
"Second Minuet" (Besley).
8.15 p.m.—Holden's Silver Band:
Selection, "Musical Switch" (Alford).
8.28 p.m.—Joe Brennan, and Ida Newton, Humorists:
In a comedy sketch.
8.34 p.m.—Holden's Silver Band:
Quickstep, "Kitchen's Own" (Greenwood).
Intermezzo, "Maritza" (Wood).
8.40 p.m.—Wattie and Graham, comedy sketch Artists:
In a humorous turn.
8.52 p.m.—James Glennon, violinist:
"Air on G. String" (Bach).
"Sonata" (Finale) (Handel).
9 p.m.—G.P.O. Chimes.
9.1 p.m.—Meteorological information.
9.2 p.m.—Overseas Grain report, w
9.3 p.m.—Holden's Silver Band:
"Gems from the Overtures" (Hawkins).
9.10 p.m.—Molly Mackay, soprano:
"Echo Song" (Eckert).
"Love and sleep" (Gamboge).
9.17 p.m.—James Glennon, violinist:
"Berceuse" (Jarnefelt).
"Serenade" (Op. 7) (Pierne).
9.24 p.m.—Joe Brennan, and Ida Newton, entertainers:
In droll humor.
9.31 p.m.—Holden's Silver Band:
March Characteristic, "Laughing Moments" (Winter).
Classic, "Andante Sonata" (Beethoven).
9.38 p.m.—Wattie and Graham, Sketch Artists:
Comedy numbers.
9.45 p.m.—Holden's Silver Band:
Selection, "Joy Time Jingles" (Arr. Rimmer).
Fox trot, "Vassaly Rag" (Wood).
10 p.m.—G.P.O. Chimes.
10.1 p.m.—"The Advertiser" general news service.
10.2 p.m.—International News.
10.11 p.m.—International Cricket scores.
England versus Victoria.
10.15 p.m.—By courtesy of 3LO Melbourne:
The Radi-o-aces, Dance Band.
Dance numbers.
10.57 p.m.—Meteorological information, and Programme announcements.



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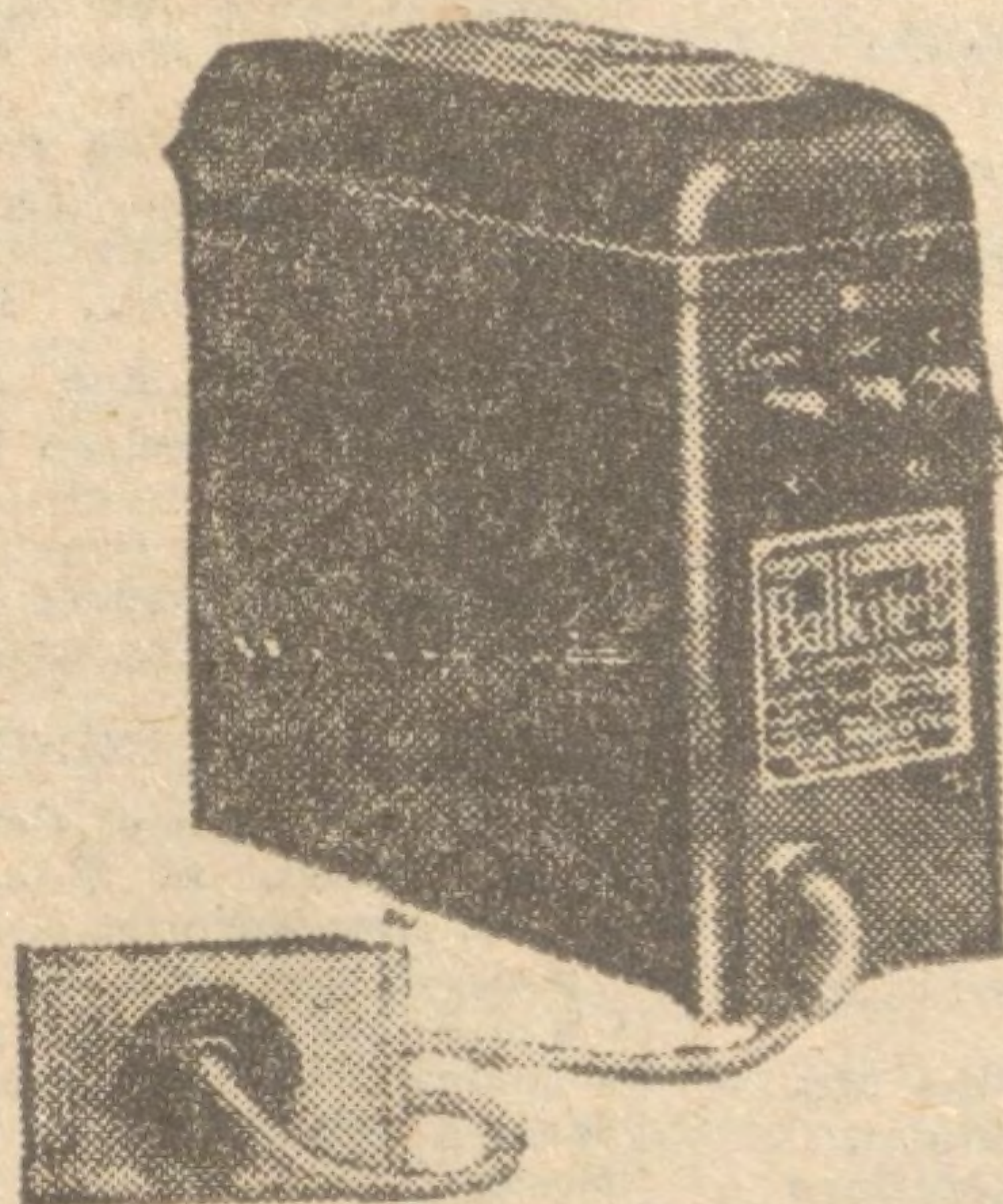
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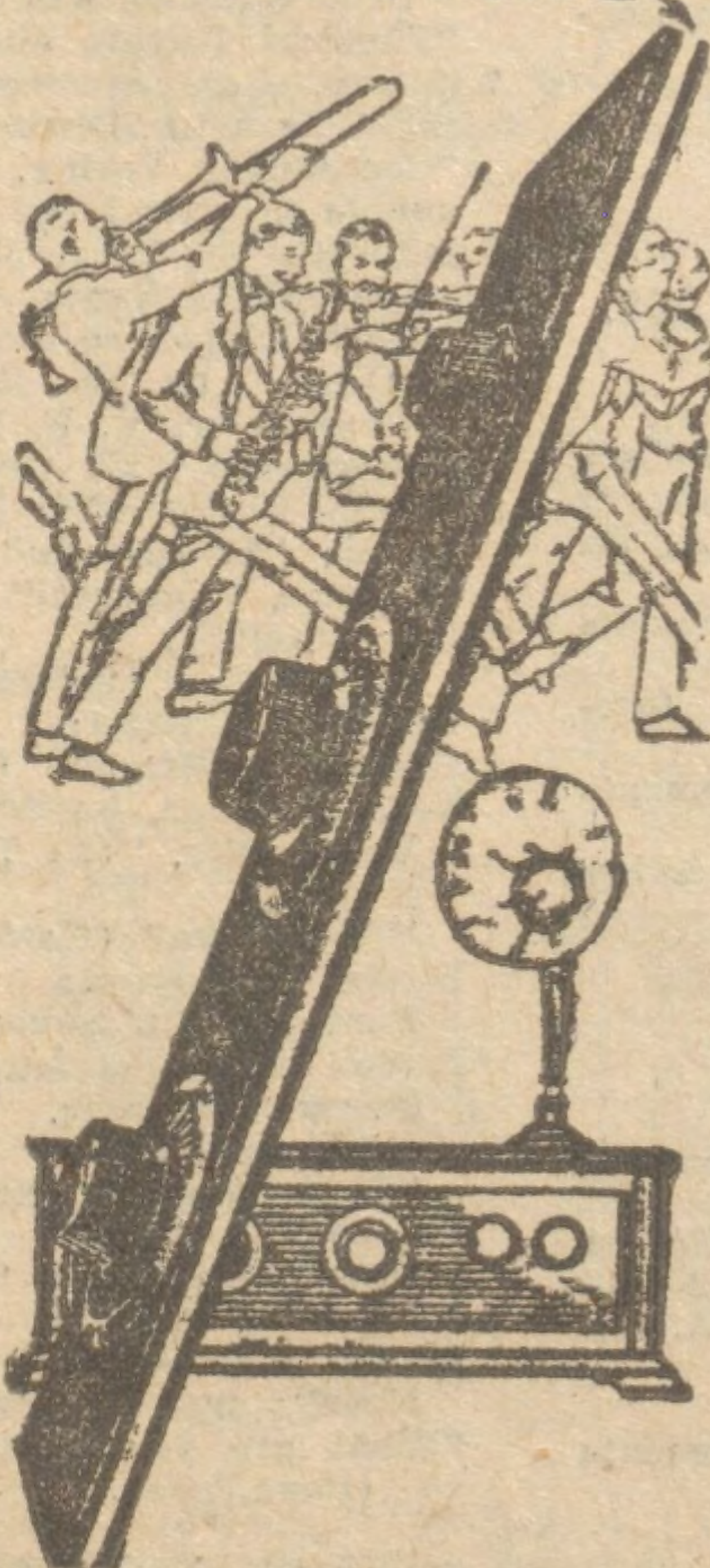
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6WF, PERTH

MONDAY, 5th NOVEMBER, 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. Station announcements.
 1.2 p.m.—Lunch hour Music.
 Brunswick Panatrophe hour relayed from Messrs. Musgrove's Limited Concert Hall, Perth.
 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, Perth.
 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.
 6.48 p.m.—Stories for the Kiddies by Uncles Henry and Duffy.
 Uncle will talk to the Kiddies.
 7.5 p.m.—Items by the Studio Trio.
 7.30 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.
 8.5 p.m.—Concert Night:
 Musical programme from the studio, including vocal and instrumental artists.
 9 p.m.—Late news items by courtesy of "The Daily News" Newspaper Co.
 Ships within range announcement.
 Weather report and forecast.
 Station announcements.
 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

MONDAY, 5th NOVEMBER, 1928.

MIDDAY SESSION.

- 11.15 a.m.—Transmission from North Hobart Ground—Cricket Match, A Grade, North West v. New Town. Described by A. M. O'Leary.
 11.30 a.m.—His Masters Voice in Moments Merry and Musical.
 11.34 a.m.—Special Midlands Weather forecast.
 11.35 a.m.—His Masters Voice in Moments Merry and Musical.
 11.55 a.m.—Tasmanian Stations 9 a.m. weather report.
 12 noon.—G.P.O. Clock chimes the hour.
 12.1 p.m.—Shipping information.
 Ships within wireless range.
 Mail Notices.
 Commercial news.
 12.8 p.m.—His Masters Voice in Moments Merry and Musical.
 12.15 p.m.—Transmission from North Hobart Ground—Cricket Match, A. grade, North West v. New Town. Described by A. M. O'Leary.
 12.30 p.m.—Announcements.
 12.33 p.m.—His Master's Voice in Moments Merry and Musical.
 12.55 p.m.—"Mercury" news service.
 Produce sales held at railway.
 1.10 p.m.—His Master's Voice in Moments Merry and Musical.
 1.15 p.m.—Transmission from North Hobart Ground—Cricket Match, A. Grade, North West v. New Town. Described by A. M. O'Leary.
 1.30 p.m.—Close down.

AFTERNOON SESSION.

- 2.45 p.m.—Transmission from North Hobart Ground—Cricket Match, A. Grade, North West v. New Town. Described by A. M. O'Leary.
 3 p.m.—G.P.O. Clock chimes the hour.
 3.1 p.m.—His Master's Voice in Moments Merry and Musical.
 3.5 p.m.—Weather information.
 3.10 p.m.—His Master's Voice in Moments Merry and Musical.
 3.45 p.m.—Transmission from North Hobart Ground—Cricket Match, A. grade, North West v. New Town. Described by A. M. O'Leary.
 4 p.m.—His Master's Voice in Moments Merry and Musical.
 4.30 p.m.—Transmission from North Hobart Ground—Cricket Match, A grade, North West v. New Town. Described by A. M. O'Leary.
 4.45 p.m.—All Sporting results to hand.
 5 p.m.—Transmission from North Hobart Ground—Cricket Match, A grade, North West v. New Town. Described by A. M. O'Leary.
 5.15 p.m.—Close down.

During the afternoon Progress Scores will be given of the English XI v. Victoria at Melbourne Cricket Ground, Melbourne. Also results will be given of the Tas. Turf Club, Northall Park Trots, and Interstate results.

EARLY EVENING SESSION.

- 6 p.m.—Final Scores of Cricket: Sandy Bay v. South Hobart, at T.C.A. Ground. North West v. New Town at Nth. Hobart Ground.
 6.15 p.m.—M'elie Columbia Broadcasts.
 6.45 p.m.—Ena Jolley (14 years of age) Pupil of Madame Viola Pearce, Piano Recital: "Waltz" (Chopin).
 "Rosary."
 7 p.m.—Answers to Letters and Birthday Greetings by "Uncle David."
 7.5 p.m.—M'elie Columbia Broadcasts.
 7.15 p.m.—"Mercury" special Tasmanian news service.
 Railway Auction Produce Sales.
 Weather information.
 Hobart Stock Exchange.

EVENING SESSION.

- 7.30 p.m.—George Collis, Tasmania's Champion Wrestler will speak on: "Physical Culture and Pride."
 7.45 p.m.—Les. Ainsworth, Divisional Returning Officer for Denison, will speak on: "Compulsory Voting. How electors who are unable to attend can obtain a vote."
 8 p.m.—G.P.O. Clock chimes the hour.
 8.1 p.m.—Fifty Years Ago Today: "Did it happen so long ago as that?"
 A Concert by The Risdon Band.
 (Conductor, V. E. Byrne).
 Interspersed with Gramophone Records.
 8.6 p.m.—Risdon E.Z. Band:
 March, "El Abanico" (Javaloyes).
 Overture, "Tancredi" (Rossini).
 Roy Sutcliffe:
 Cornet Solo, Selected.
 Risdon E.Z. Band:
 Selection, "Mirella" (Gounod).
 Vernon Byrne, baritone:
 Vocal solos, "The Two Grenadiers" (Schumann).
 "To Anthea" (Hatton).
 Risdon E.Z. Band:
 Fantasia, "In Sunny Lands" (Laurent).
 Risdon Band Quartette Party:
 Brass Quartette, "The Hunting Song" (Rimmer).
 "Stabat Mater" (Rossini).
 Risdon E.Z. Band:
 Intermezzo Scene, "In a Persian Market" (Ketelbey).
 Risdon E.Z. Band:
 Novelty numbers, "Chloe" (Donaldson).
 "What are you waiting for, Mary?" (Donaldson).

NEWS SESSION.

- 9.50 p.m.—British Official Wireless news service.
 Ships within Wireless range.
 Tasmanian District Weather reports.
 Examiner News Service.
 10 p.m.—G.P.O. Clock chimes the hour.
 God Save the King.

Tuesday, November 6

New South Wales Broadcasting Company, Limited.

2FC, SERVICE.

EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and programme announcements.
 7.5 a.m.—Studio Music.
 7.20 a.m.—Country Session: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services, river reports.
 7.25 a.m.—Investment market, mining share market, metal quotations.
 7.35 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.
 7.45 a.m.—"Sydney Morning Herald" summary.
 7.50 a.m.—Studio Music.
 8 a.m.—"Big Ben." Close down.

MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
 10.2 a.m.—Studio Music.
 10.10 a.m.—"Sydney Morning Herald" news service.
 10.25 a.m.—Studio Music.
 10.30 a.m.—Last minute sporting information.
 10.45 a.m.—Studio Music.
 11 a.m.—"Big Ben."
 A.P.A. and Reuter's Cable Services.
 11.5 a.m.—Close down.

MIDDAY SESSION.

- 12 noon.—"Big Ben" and announcements.
 12.1 p.m.—Stock Exchange, first call.
 12.3 p.m.—Official weather forecast, rainfall.
 12.5 p.m.—Musical Item.
 12.10 p.m.—Summary of news: "Sydney Morning Herald."
 12.15 p.m.—Rugby Wireless News.
 12.18 p.m.—A Reading by A. S. Cochrane.
 12.30 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.
 1.23 p.m.—Stock Exchange second call.
 1.30 p.m.—Studio Music.
 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- 2.30 p.m.—Programme announcements.
 2.32 p.m.—Educational Session:
 Subject, "How Things Grow," interspersed with suitable music.
 3 p.m.—"Big Ben."
 Dorothy Farmer, pianoforte solos:
 (a) "Soaring" (Schumann).
 (b) "Why" (Schumann).
 (c) "Whims" (Schumann).
 Note.—During the afternoon scores of the International Cricket Match, England versus Victoria, played at Melbourne, will be transmitted as received.
 3.12 p.m.—Studio Music.
 3.17 p.m.—Dorothy Farmer, pianoforte solos:
 (a) "Arabesque in E Major" (Debussy).
 (b) "Margaret at the Spinning Wheel" (Schubert-Liszt).
 (c) "Consolations No. 3" (Liszt).
 approx.
 3.30 p.m.—From the V.R.C. Spring Meeting at Flemington (Victoria) (by courtesy of 3LO Melbourne), a description of the Melbourne Cup in the running.
 approx.
 4 p.m.—"Big Ben." From the Studio:
 Irene Kennedy, contralto:
 (a) "The Silver Ring" (Chaminade).
 (b) "Vale" (Kennedy Russell).
 4.8 p.m.—Dance Music.
 4.20 p.m.—Merle Miller mezzo-soprano:
 (a) "Silent Noon" (Vaughan Williams).
 (b) "At Night" (Rachmaninoff).
 4.27 p.m.—Pianoforte reproduction.
 4.40 p.m.—Studio Music.

How to Build Your Own Receiver

Come and see us! Without obligation we will be delighted to show you how simply and how cheaply you can build a most efficient Radio Receiver for yourself. You require no great knowledge. We gladly offer you every assistance. With our extensive experience in Wireless matters behind you, success is assured, without the slightest risk of failure. Absolute satisfaction guaranteed.

Below is a list of parts suitable for building the receiver described in this issue

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1 Bakelite or Hard Rubber Panel, 24 x 8 x 3-16in.	0	12	0	1 .006 Sangamo, Electrad, or Wetless Condenser	0	3	6
2 Pilot .0005 Centraline Variable Condensers	1	9	0	3 Amperites or Brachstats	0	14	3
1 Pilot .00025 Centraline Variable Condenser	0	13	0	1 .00025 Grid Condenser	0	1	9
3 Emmco Velmo Vernier Dials	1	2	6	2 2 meg. Resistors, with clips	0	6	0
1 6 ohm. Rheostat	0	2	0	1 250,000 ohm. Resistances, with clips ..	0	3	0
1 Battery Switch	0	2	0	1 50,000 ohm. Resistances, with clips ..	0	4	6
1 Double or Three Circuit Jack	0	2	3	1 1 meg. Resistance, with clips	0	3	0
1 Single Circuit Jack	0	1	9	1 150,000 ohm. Resistances, with clips ..	0	4	6
1 Radiokes Standard Screening Box ..	0	15	0	11 Terminals	0	2	9
1 Radiokes Screened Reinartz Coil ...	1	5	0	1 Reel Lewcos Frame Aerial Wire ...	0	4	0
1 Radiokes or Wetless R.F. Choke	0	8	6	Valves Recommended:—			
3 UX Anti-vibration Valve Sockets ...	0	7	6	Marconi or Osram S625, or Philips A442, or two "Six-Sixty" SS610P, SS6075RC, 1 Philips A630, 1-B605 ..	2	14	0
3 2 mfd. T.C.C. or Mansbridge Blocking Condensers	1	1	0	Wiring used: Chromax, Glazite, or Celatsite; Solder, Flux, Wood Screws, etc.	0	2	0
1 .01 mfd. T.C.C. or Mansbridge Blocking Condenser	0	4	6				

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Philips 372 Eliminator	£7 15 0	Deposit, 15/6;	19 Weekly Payments, 7/9
Amplion A.C.7 Speaker	£7 15 0	Deposit, 15/6;	19 Weekly Payments, 7/9
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Philips Junior	£5 5 0	Deposit, 10/6;	19 Weekly Payments, 5/3
Philips 3002 Eliminator	£9 15 0	Deposit, £1/4/6;	52 Weekly Payments, 3/8
Philips 3003 Eliminator, B. and C.	£11 15 0	Deposit, £1/9/6;	52 Weekly Payments, 4/5
Emmco Eliminator	£10 10 0	Deposit, £1/6/3;	52 Weekly Payments, 3/11
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R.C.A. Speaker, Model 100A	£10 10 0	Deposit, £1/6/3;	52 Weekly Payments, 3/11
Amplion, A.C.9	£9 9 0	Deposit, £1/5/-;	52 Weekly Payments, 3/7

Colville Moore Wireless Supplies Limited

10 Rowe Street (Next Hotel Australia), Sydney

PHONE B 2261

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.—Children Session, conducted by the "Hello Man," assisted by Aunt Eily. Letters and stories.
6.15 p.m.—Music and entertainment.
6.30 p.m.—Dalgety's market reports (wheat and stock).
6.40 p.m.—Fruit and vegetable markets.
6.43 p.m.—Stock Exchange information.
6.45 p.m.—Weather and shipping news.
6.48 p.m.—Rugby wireless news.
6.50 p.m.—Late sporting news.
7 p.m.—"Big Ben." Late news service.
7.10 p.m.—The 2FC Dinner Quartet, conducted by Horace Keats:
(a) "Chanson de Printemps" (Gillet).
(b) "Ballet Egyptian" (Luigini).
(c) "Aubade Florentine" (Mazza).
(d) "Barcarolle" (Offenbach).
(e) "Bal Masque" (Fletcher).
(f) "Canzone di Maggie" (Micheli).

NIGHT SESSION.

7.40 p.m.—Programme announcements.
7.47 p.m.—Studio music.
7.50 p.m.—Cricket resume for New Zealand listeners.
7.52 p.m.—The Metropolitan Band, conducted by John Palmer:
(a) March, "Queensbury" (Carter).
(b) Fantasia, "A Souvenir of Spain" (Rimmer).
8.7 p.m.—John Mitchell, Tenor:
(a) "Una Futiva Lagrima" (Donizetti).
(b) "Ben Bolt."
8.13 p.m.—The Metropolitan Band, conducted by John Palmer:
Selection, "Opera Bouquet No. 4" (Bidgood).
8.28 p.m.—John Mitchell, Tenor:
(a) "The Snowy Breasted Pearl" (Joseph Robinson).
(b) "The Time of Roses" (Roger Quilter).
8.35 p.m.—The Metropolitan Band:
(a) Waltz, "Syringa" (Taylor).
(b) Cornet Solo, "Because" (D'Hardelot). Soloist: Mr. O. Wallis.
8.50 p.m.—Freda Sternberg will continue her series of Travel Talks.
9 p.m.—"Big Ben." Late weather forecast.
Radio Eisteddfod:
Vocal Section: Semi-finalists drawn from the Vocal Section, which includes Section 7, soprano solo; Section 8, mezzo-soprano; Section 9, contralto; Section 10, tenor; Section 11, Baritone; Section 12, Bass; and Section 13, Duets.
Instrumental Section: Semi-finalists from the instrumental Sections include Section 16, Champion Violin Solo; Section 17, Violin solo under 16 years, Section 18; Cello solo; Section 19, Brass or Military Bands; Section 20, B Flat Cornet solo; Section 21, Saxophone solo; Section 22, Dance Bands.
Grand Vocal Championship: Semi-finalists in the Grand Vocal Championship, Sections 34.
Elocutionary Sections: Semi-finalists in the elocutionary sections; Section 23, Radio Sketches; Section 24, Radio Plays; Section 25, Debates, Section 26, Impromptu Announcer.
Australian Compositions: Include entrants under Section 31, Best Original Song; Section 32, Best Original Pianoforte composition and Section 33, Best Original Violin composition.
10.10 p.m.—Cec Morrison's Dance Band.
10.20 p.m.—Charles Renton, Comedian.
10.27 p.m.—Cec Morrison's Dance Band.
10.33 p.m.—Charles Renton, Comedian.
10.43 p.m.—Cec Morrison's Dance Band.
10.53 p.m.—To-morrow's programme and late news.
11 p.m.—"Big Ben." Cec Morrison's Dance Band. Popular numbers until 11.30 p.m.
11.30 p.m.—National Anthem.
Close down.

2BL, SERVICE.

TUESDAY, 6th NOVEMBER, 1928.

MORNING SESSION.

8 a.m.—G.P.O. Clock and chimes.
Metropolitan Weather report.
8.1 a.m.—State Weather report.
8.2 a.m.—Studio music.
8.15 a.m.—G.P.O. Clock and chimes.
News from the "Daily Telegraph Pictorial."
8.25 a.m.—Studio Music.
8.30 a.m.—G.P.O. Clock and chimes.
Studio music.
8.35 a.m.—Information, Mails, shipping, arrivals, departures and sailings.
8.38 a.m.—News from the "Daily Telegraph Pictorial."
8.45 a.m.—G.P.O. Clock and chimes.
Studio Music.
9 a.m.—G.P.O. Clock and chimes.
9.30 a.m.—Half an hour with silent friends.
10 a.m.—G.P.O. Clock and chimes.

MIDDAY SESSION.

11 a.m.—G.P.O. Clock and chimes.
Women's Session. Talk on "Mothercraft" by Dr. Sanderson Morgan.
Talk on "Kindergartens" by Miss Chase, Secretary of the Kindergarten Union of New South Wales.
12 noon.—G.P.O. Clock and chimes.
Special Ocean forecast and weather report.
12.3 p.m.—Studio music.
12.30 p.m.—Shipping and mails.
12.35 p.m.—Market reports.
1 p.m.—Studio Music.
1.30 p.m.—Talk to children and special entertainment for Children in Hospital.
2 p.m.—G.P.O. Clock and chimes.

AFTERNOON SESSION.

Note: During the afternoon progress scores of the International Cricket Match, England versus Victoria, played at Melbourne, will be given.
3.30 p.m.—G.P.O. Clock and chimes.
From the V.R.C. Spring meeting at Flemington, Victoria (by courtesy of 3LO Melbourne) a description of the Melbourne Cup in the running.
4 p.m. (Approx.)—Romano's Restaurant Dance Orchestra broadcast from Romano's.
4.10 p.m.—Mr. David Grahame, baritone:
4.17 p.m.—"Sun" news service.
4.22 p.m.—Romano's Restaurant Dance Orchestra.
4.30 p.m.—Miss Una Power, violinist:
(a) "Serenade" (Gounod).
(b) "Tambourin" (Gossec).
4.38 p.m.—Romano's Restaurant Dance Orchestra.
4.45 p.m.—Mr. David Grahame.
4.52 p.m.—Miss Una Power:
(a) "Romance in D" (Rudenyi).
(b) "Gavotte" (Gossec).
(c) "Toy Soldiers March" (Kreisl).
5.2 p.m.—Radio Eisteddfod: Semi-finalists in the Radio Eisteddfod will be heard, drawn from the various sections including vocal, instrumental and humorous items.
5.32 p.m.—Producers Distributing Society's Poultry report.
5.34 p.m.—Features of evening's programme.
5.36 p.m.—Racing resume.

EARLY EVENING SESSION.

5.40 p.m.—Children's music and entertainment.
6 p.m.—Children's letters and stories.
6.50 p.m.—"Sun" news and late sporting.
6.40 p.m.—2BL Dinner Quartette:
(a) "La Belle Pierrette" (Foulds).
(b) "Autumn Manoeuvres" (Kalman).
(c) "The Blue Mazurka" (Lehar).
(d) "Andante from Golterman Concerto."
(e) "Bohemian Suite" (Ord Hume).
(f) "Brown eyes I Love" (Coates).
7.10 p.m.—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.
Grain and Fodder report ("Sun.")
Dairy Produce Report ("Sun.")
7.25 p.m.—Pim and Pam in advertising talks and nonsense.
7.55 p.m.—Programme and other announcements.

EVENING SESSION.

8 p.m.—G.P.O. Clock and Chimes.
The Four Kellys, instrumentalists:
(a) "Military Fantasia."
(b) "Are you longcome to-night" (Turk).
8.13 p.m.—Mr. Harry Croot, baritone:
(a) "Drinking Song" (Mascagni).
(b) "Now Sleeps the Crimson Petal" (Quilter).
8.20 p.m.—Miss Ivy Saxton, in popular items.
8.27 p.m.—Talk by Mr. Hyam Marks on "Cricket."
8.42 p.m.—Miss Kathleen Roe, pianist:
"Polonaise" (Chopin).
8.51 p.m.—Miss Amy Ostinga, contralto:
(a) "Autumn" (Elgar).
(b) "The Shepherd's Song" (Elgar).
8.58 p.m.—Weather Report and Forecast by courtesy of Government Meteorologist.
8.59 p.m.—The New South Wales Broadcasting Company's Orchestra, conducted by Mr. Willie Redstone.
9.14 p.m.—Miss Ivy Saxton, in popular items.
9.21 p.m.—The Four Kellys:
(a) "By the blue Hawaiian Waters" (Kettley).
(b) "Just another day wasted away" (Tribas).
9.30 p.m.—Mr. Harry Croot:
(a) "Youth" (Allitsen).
(b) "The sweetest flower that blows" (Hawley).
9.37 p.m.—The New South Wales Broadcasting Company's Orchestra.
9.52 p.m.—Miss Kathleen Roe:
(a) "Les Aves" (Crovlez).
(b) "L'Isle Joyeuse" (Debussy).
10.2 p.m.—Miss Amy Ostinga:
(a) "Secrecy" (Wolf).
(b) "The Voice of the Dove" (Willeby).
10.5 p.m.—The Four Kellys:
(a) "La Paloma" (Yradier).
(b) "Harvest Moon" (Bayes).
10.14 p.m.—Miss Amy Ostinga.
10.17 p.m.—Resume of following day's programme.
10.20 p.m.—The New South Wales Broadcasting Company's Orchestra.
10.30 p.m.—National Anthem.

2GB, SYDNEY

TUESDAY, 6th NOVEMBER, 1928.

MORNING SESSION.

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

AFTERNOON SESSION.

2 p.m.—Music.
2.45 p.m.—Women's Radio Service by Mrs. Dorothy Jordan.
2.30 p.m.—Music.
2.45 p.m.—Address.
3 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—Children's Session by Uncle George. Radio Movie Club.
7 p.m.—Stock and Market reports by New Zealand Loan and Mercantile Agency Ltd.
8 p.m.—2GB Instrumental Trio:
Miss Ada Brook, Mr. Cecil Berry, Mr. Cedric Ashton.
8.15 p.m.—Announcements.
8.20 p.m.—Songs by Miss Merle Miller.
8.27 p.m.—Cello Solo by Mr. Cedric Ashton.
8.35 p.m.—Mr. Stuart Peters, Scottish Entertainer.
8.42 p.m.—Violin Solo by Mr. Cecil Berry.
8.45 p.m.—Address by Professor E. Wood.
9 p.m.—Weather report.
9.2 p.m.—Songs by Miss Merle Miller.
9.9 p.m.—Pianoforte solos by Master Albert Engel.
9.17 p.m.—Mr. Stuart Peters, Scottish Entertainer.
9.24 p.m.—Resume of Programme.
9.29 p.m.—Violin solos by Mr. Cecil Berry.
9.37 p.m.—Humorous Recital by Mr. Heath Burdock.
9.47 p.m.—2GB Instrumental Trio.

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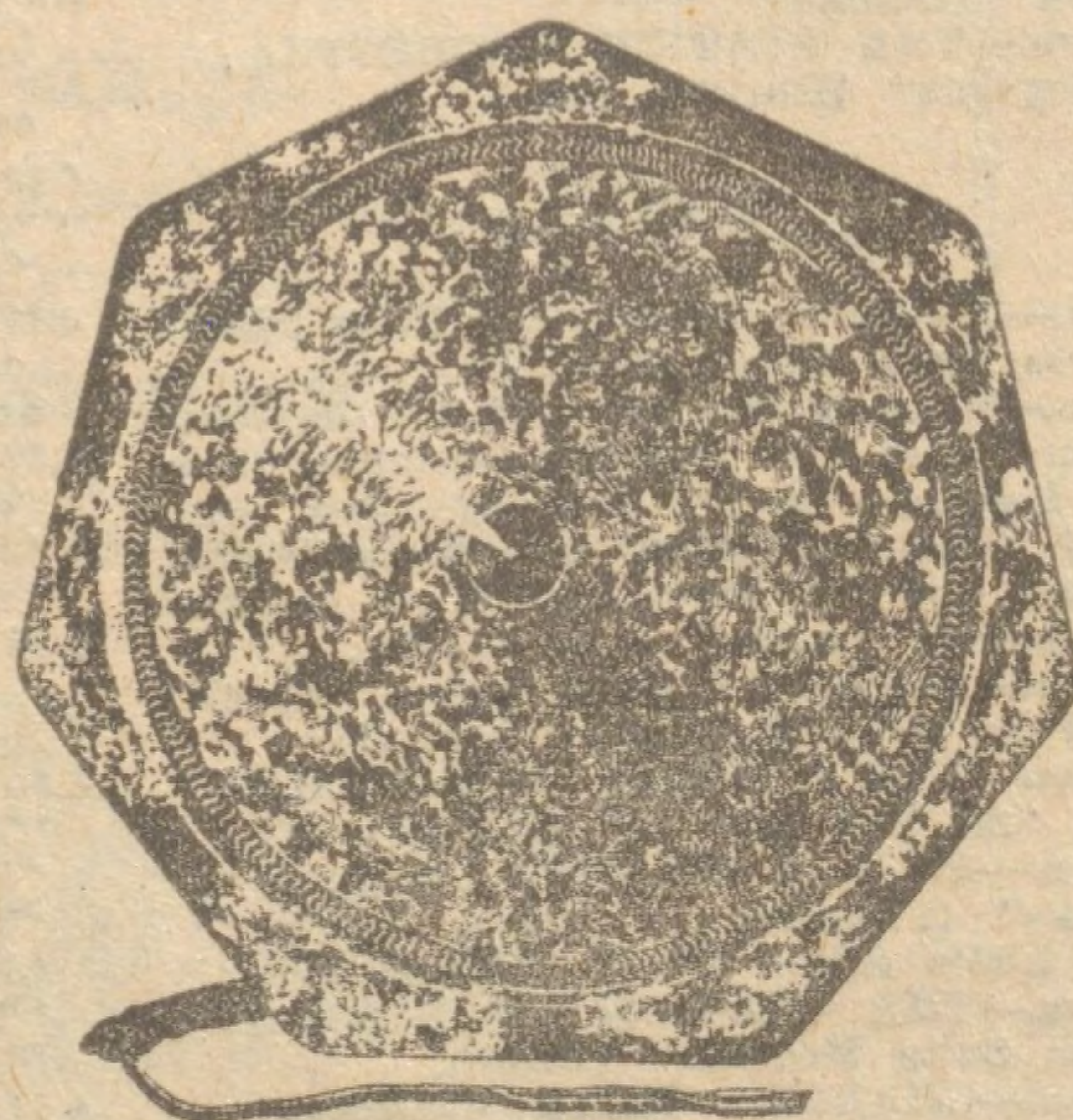


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"THE TIME PAYMENT HOUSE"



388 George Street Opp. Beard Watson's SYDNEY

3LO, MELBOURNE

TUESDAY, 6th NOVEMBER, 1928.

EARLY MORNING SESSION.

- 7.15 a.m.—Morning Melodies.
 7.20 a.m.—Morning Exercises to music.
 7.30 a.m.—Stock reports. Market reports.
 General news. Shipping.
 Sporting information.
 Express train information.
 8 a.m.—Melbourne Observatory Time Signal.
 8.1 a.m.—Morning Melodies.
 8.15 a.m.—Close down.

MORNING SESSION.

- 11 a.m.—ERIC WELCH will speak on
 To-day's Races at Flemington.
 To-day the greatest race in Australia
 will be run at Flemington—that is, the
 Melbourne Cup, which for many years was
 the richest handicap race in the world. It
 cannot claim that honor now, but it still
 attracts world-wide interest. Run over
 two miles, the race is for the genuine
 staying type of horse. The stake is
 £10,000, added to the sweepstakes pro-
 vided by the owners, so that the owner of
 the winning horse generally receives in
 the vicinity of £10,000. It is estimated
 that more than 120,000 see the Melbourne
 Cup run each year.
- 11.10 a.m.—THE STATION ORCHESTRA:
 "Chant d'Automne" (Tchaikowsky).
 11.20 a.m.—BERYL HOLT, Contralto:
 "Country Folk."
 "You Took Me to Your Heart"
 (May Brahe).
 11.27 a.m.—THE STATION ORCHESTRA:
 "By the Lake of Geneva" (Franz Bendel).
 11.37 a.m.—BERYL HOLT, Contralto:
 "My Ships" (Barratt).
 "Dawn" (Curran).
 11.45 a.m.—THE STATION ORCHESTRA:
 "Springtime" (Enrique Sora).

MIDDAY SESSION.

- 12 noon.—Melbourne Observatory Time Signal
 Express train information.
 12.1 p.m.—Metal prices received by the Aus-
 tralian Mines and Metals Association from
 the London Stock Exchange this day.
 British Official Wireless news from Rugby.
 Reuter's and the Australian Press Associa-
 tion cables. "Argus" news service.
 12.15 p.m.—Newmarket Stock Sales. Special
 report by John McNamara and Co.
 12.20 p.m.—THE STATION ORCHESTRA:
 Suite, "As You Like It" (Quilter).
 12.30 p.m.—MINNIE WAUGH, Soprano:
 "Awake" (Plissier).
 "The Little Silver Ring" (Chaminade).
 12.37 p.m.—THE STATION ORCHESTRA:
 "Petite Suite Moderne" (Rosse).
 12.47 p.m.—CHARLES ULIVI, Baritone:
 Selected.
 12.54 p.m.—Description of the Cup Hurdle
 Race—two miles—V.R.C. races, at Fleming-
 ington by ERIC WELCH.
 1.7 p.m.—THE IMPERIAL RUSSIAN TRIO:
 Arved Norit, violin:
 "Chanson Meditation" (Cottonet).
 John Berzinsky, 'cello:
 "Esquise" (Vitol).
 The Trio: "Trio D Major" (Beethoven):
 Allegro vivace e con brio.
 1.22 p.m.—MINNIE WAUGH, Soprano:
 "Love's a Merchant" (Carew).
 "The Answer" (Carew).
 1.29 p.m.—THE STATION ORCHESTRA:
 Suite, "Language of Flowers," Part II
 (Cowan).
 1.37 p.m.—Description of the Railway High-
 weight Handicap, 6 furlongs, V.R.C. races
 at FLEMINGTON, by Eric Welch.
 1.47 p.m.—CHARLES ULIVI, Baritone:
 Selected.
 1.54 p.m.—Close down.

AFTERNOON SESSION.

- 2.15 p.m.—THE RADI-O-ACES:
 "Last Night I Dreamt you Kissed Me"
 (Kahn).
 "That's My Mammy" (Donaldson).
 "Honeymoon Cottage" (Lumsdaine).
 2.24 p.m.—ARCHIE and WATTIE, Enter-
 tainers:
 Selections from their repertoire.
 2.31 p.m.—THE RADI-O-ACES:
 "I'm Wingin' Home" (Russell).
 "Evening Star" (Turk).
 2.37 p.m.—Description of the November Nur-
 sery, 5 furlongs, V.R.C. Races, at FLEM-
 INGTON, by Eric Welch.
 2.47 p.m.—THE RADI-O-ACES:
 "Russian Rag" (Sitisel).
 "Lolita" (Stoneham).
 "Henry's Made a Lady out of Lizzie"
 (Tobias).
 2.56 p.m.—J. ALEXANDER BROWN,
 Baritone:
 "All the Fun of the Fair" (Martin).
 "Young Tom o' Devon" (Russell).
 3.3 p.m.—THE RADI-O-ACES:
 "We'll Have a New Home in the Morning"
 (Buet).
 "In a Bamboo Garden" (Donaldson).
 "Anything You Say" (Donaldson).
 3.12 p.m.—ELLA RIDDELL, Contralto:
 "Cam' Ye by Athol" (Macfarren).
 "Land of the Leal" (Thomson).
 3.19 p.m.—Description of the MELBOURNE
 CUP, V.R.C. Races, at FLEMINGTON, by
 Eric Welch.
 3.40 p.m.—THE RADI-O-ACES:
 "What Will You Do" (Muller).
 "My Melancholy Baby" (Norton).
 "Ice Cream" (Jones).
 3.49 p.m.—J. ALEXANDER BROWNE,
 Baritone:
 "Prince Ivan's Song" (Allitsen).
 "Arietta" (Cyril Scott).
 3.56 p.m.—RADI-O-ACES:
 "Don't Cry Baby" (Kahn).
 "Love Affairs" (Robinson).
 "Sunshine" (Berlin).
 4.5 p.m.—ELLA RIDDELL, Contralto:
 "We'll Ye No Come Back Again" (old
 Scotch).
 "Within a Mile" (Hook).
 4.12 p.m.—THE RADI-O-ACES:
 "Jazz Master" (Mayeral).
 "Sweet Ella May" (Robinson).
 4.17 p.m.—Description of the Cup Steeple-
 chase, 2 miles ½ furlong, V.R.C. RACES
 at FLEMINGTON, by Eric Welch.
 4.27 p.m.—THE RADI-O-ACES:
 "Cry Baby" (Smith).
 "Rose of Monterey" (Guy).
 "Red Head" (Embury).
 4.36 p.m.—ARCHIE and WATTIE, Enter-
 tainers:
 Specialisers in Patter.
 4.43 p.m.—THE RADI-O-ACES:
 "The Man I Love" (Gershwin).
 "Was it a Dream?" (Britt).
 "Together" (Brown).
 "Mary Ann" (Davis).
 "Tell Me To-night" (Little).
 "Oh, Doris, Where Do You Live" (Kahn).
 4.57 p.m.—Description of the YAN YEAN
 HANDICAP, one mile, V.R.C. RACES, at
 FLEMINGTON, by Eric Welch.

NEWS SESSION.

- 5.7 p.m.—"Herald" news service.
 Stock Exchange information.
 5.25 p.m.—Close down.

EVENING SESSION.

- 6 p.m.—Answers to Letters and Birthday
 Greetings by "BILLY BUNNY."
 6.25 p.m.—Musical interlude.
 6.30 p.m.—"LITTLE MISS KOOKA-
 BURRA'S" Story for the wee ones is
 another of their own favorites:
 "Cinderella."
 And for the Bigger Ones a fascinating
 new story.
 7 p.m.—"BILLY BUNNY" has a few words
 to say.

NIGHT SESSION.

- 7.5 p.m.—Results of the RACES at FLEM-
 INGTON.
 7.15 p.m.—SONORA RECITAL of the
 World's Most Famous Records.
 7.30 p.m.—News Session.
 7.43 p.m.—Birthday Greetings.
 7.45 p.m.—OUT OF THE PAST.
 7.46 p.m.—Under the auspices of the UNI-
 VERSITY EXTENSION BOARD. IAN
 MAXWELL, M.A., Lecturer in English
 Literature to the University Extension
 Board:
 "The Latest Arabian Nights."
 8 p.m.—A MAKER OF HISTORY.
 8.1 p.m.—By permission of J. C. WILLIAM-
 SON, LTD.:—
 Act I of "THE DESERT SONG."

A NEW MUSICAL PLAY.

Music by Sigmund Romberg
 Book by Otto Harbach, Oscar Hammer-
 stein 2nd, and Frank Mandell.
 Produced by George A. Highland.

CAST OF CHARACTERS:

Sid El Kar (the Red Shadow's
 Lieutenant) Herbert Browne
 Mindar Cecil Pawley
 Hassi Lou Vernon
 Neri (first appearance in Australia),
 Maud Pomeroy
 Hajl (first appearance in Australia),
 John Ronald
 Benjamin Kidd (Society Corres-
 pondent Paris "Daily Mail"),
 Herbert Mundin
 (First appearance in Australia).
 Pierre Birabeau (The Red Shadow),
 Lance Fairfax
 Capt. Paul Fontaine Reginald Dandy
 Azuri Stephanie Deste
 Lieutenant La Vergne (first appear-
 ance in Australia) Ronald Pomeroy
 Lieut. Du Bassac Owen Trappes
 Margot Bonvalet (first appearance
 in Australia) Virginia Perry
 General Birabeau Peter Gawthorne
 (Governor of a French Moroccan
 Province)
 Susan (his ward) Lorna Helms
 Ethel Aileen Barton
 Ali Ben Ali (Caid of a Riff tribe),
 Douglas Herald
 Clementina (a Spanish lady),
 Maud Zimble

Act I.

Scene 1.—Retreat of the Red Shadow in
 the Riff Mountains—Evening.
 Scene 2.—Outside General Birabeau's
 house—same evening.
 Scene 3.—A room in General Birabeau's
 house—a few minutes later.

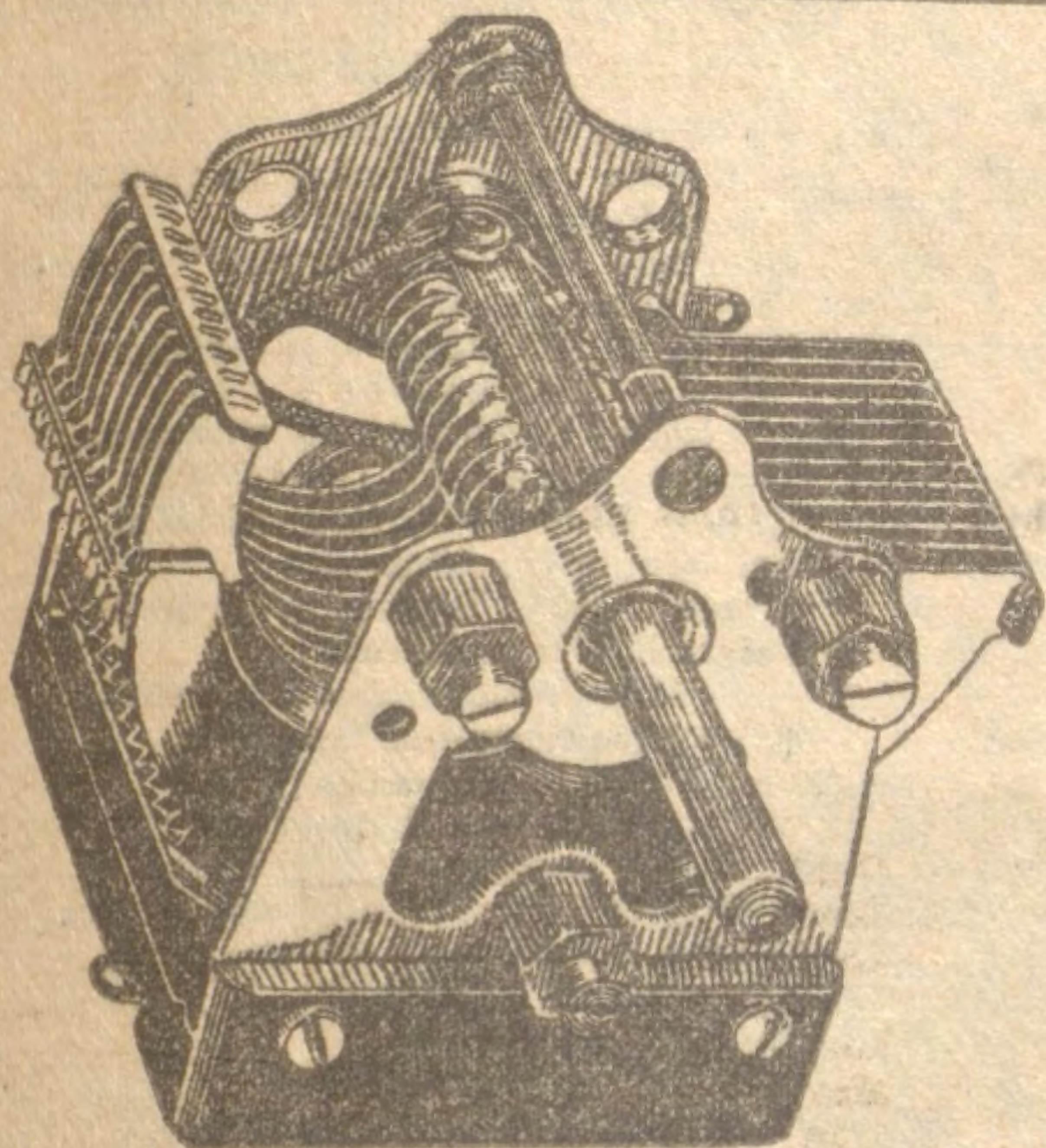
MUSICAL NUMBERS.

Orchestra under the direction of
 Will Quintrell.

Act I.

1. Prelude and Drinking Song.
2. "He!" Riding Song of the Riffs.
Lance Fairfax, Herbert Brown and Chorus
3. "Margot"—
Reg. Dandy and Chorus Gentlemen
4. "I'll be a Bueyant Girl".
Lorna Helms.
5. Ensemble—
"Why Did We Marry Soldiers?"
Chorus Ladies.
French Marching Song—
Virginia Perry and Chorus Ladies and
Gentlemen.
6. "Romance"—
Virginia Perry and Chorus Ladies;
7. Trio—"Then You Will Know";
Lance Fairfax and Virginia Perry.
8. "I Want a Kiss";
Reg. Dandy, Virginia Perry and Lance
Fairfax.
9. "It"; Herbert Mundin, Lorna Helms and
Ladies of the Ballet.
10. "The Desert Song";
Lance Fairfax and Virginia Perry.
11. Finale.

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any imported make.**

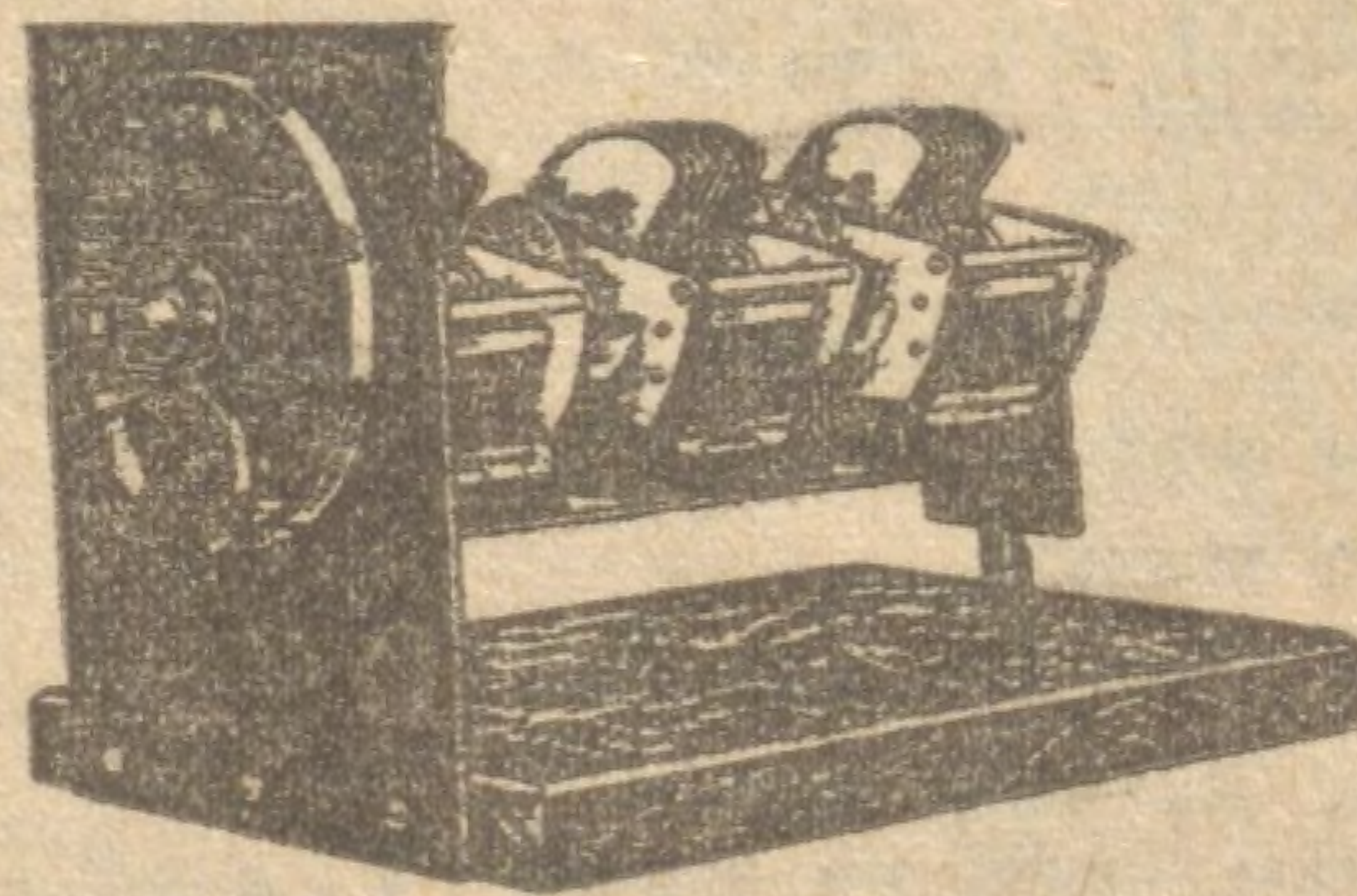
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Short Wave, all capacities, 11/6.

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Manufactured by
Electricity Meter Mfg. Co. Ltd.

Anglin Place off Little Collins St.
MELBOURNE

- 9.15 p.m.—THE STATION ORCHESTRA:
"Bavarian Dances" (Elgar).
- 9.25 p.m.—CHARLES ULIVI, Baritone:
Selected.
- 9.32 p.m.—IMPERIAL RUSSIAN TRIO:
The Trio—
"Solveig's Song" (Grieg).
Arved Norit, violin:
"Zigeunerweisen" (Sarasate).
The Trio—
"Orientale" (Cui).
- 9.47 p.m.—REG. WEICHARD, Tenor:
"Inter Nos" (McFadyen).
"Thy Beaming Eyes" (McDowell).
- 9.54 p.m.—CAPTAIN DONALD McLEAN.
- 10.9 p.m.—THE STATION ORCHESTRA:
"Second Movement, C Major Symphony"
(Schubert).
- 10.16 p.m.—CHARLES ULIVI, Baritone:
Selected.
- 10.23 p.m.—REG. WEICHARD, Tenor:
"Request" (Finden).
"Mifawny" (Forster).
- 10.30 p.m.—THE STATION ORCHESTRA:
"Andante from Fifth Symphony"
(Tchaikowsky).
- 10.40 p.m.—"Argus" News Service.
Meteorological information. British Official
Wireless news. Announcements. Sporting
Notes by "Olympus."
Acceptances for Oaks Day, Flemington
Races, on Thursday.
- 10.55 p.m.—THE RADI-O-ACES:
"Pardon the Glove" (Quicksell).
"Borneo" (Donaldson).
- 11.1 p.m.—RADI-O-ACES.
- 11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

TUESDAY, 6th NOVEMBER, 1928.

MORNING NEWS SESSION.

- 10 a.m.—G.P.O. Clock says "Ten."
- 10.1 a.m.—"Age" Stock Exchange information.
London Metal Market.
- 10.10 a.m.—"Age" market reports: farm and
station produce, fruit, fish, vegetables, etc.
- 10.25 a.m.—"Age" shipping reports. Ocean
forecast.
- 10.30 a.m.—Mail notices. Express train in-
formation.
- 10.35 a.m.—"Age" news service, exclusive to
2AR.
- 10.59 a.m.—Weather forecast.

MORNING MUSICAL SESSION.

- 11 a.m.—A recital of the musical masters
of the world.
- 12.30 p.m.—British Official Wireless. An-
nouncements.
- 12.40 p.m.—An interval with some of the
world's most wonderful recordings.
- 1.30 p.m.—Close down.

EVENING SESSION.

- 5 p.m.—A recital by absent artists.

NIGHT SESSION.

- 8 p.m.—H. Webb, manager, Tasmanian Tour-
ist Bureau:
"Fruit-growing in the Huon Valley."
- 8.15 p.m.—H. Linaker (under the auspices
of the Victorian Tree Planters Association):
"The First Arboretum in the State of Vic-
toria, at Kalorama, Mt. Dandenong."
- 8.30 p.m.—Under the auspices of the Advance
Bendigo and the North League:
"Cohuna."
- 8.40 p.m.—Radi-O-Aces:
"Last night I dreamed you kissed me"
(Kahn).
"That's My Mammy" (Donaldson).
"Honeymoon Cottage" (Lumsdaine).
- 8.50 p.m.—Archie and Wattie:
Stray Sunbeams.
- 8.53 p.m.—Radi-O-Aces:
"I'm wingin' home" (Russell).
"Evening Star" (Turk).

- "Henry's made a lady out of Lizzie"
(O'Keefe).
- 9.3 p.m.—Minnie Waugh, soprano:
"Sleep, Little Coon" (Grace Brandon).
- 9.6 p.m.—Radi-O-Aces:
"We'll have a new home in the morning"
(Buck).
"In a bamboo garden" (Donaldson).
"Anything you say" (Donaldson).
- 9.16 p.m.—Victor Harding, bass:
"My Old Shako" (Trottere).
- 9.19 p.m.—Radi-O-Aces:
"My Melancholy Baby" (Norton).
"Ice Cream."
- 9.29 p.m.—Archie and Wattie:
Facetious Flutterings.
- 9.32 p.m.—Radi-O-Aces:
"Love Affairs" (Robinson).
Piano solo, "Rag Doll" (Brown).
"Cry Baby" (Smith).
- 9.42 p.m.—Minnie Waugh, soprano:
"Ave Maria" (Gounod).
- 9.45 p.m.—Radi-O-Aces:
"Rose of Monterey" (Guy).
"Red Head" (Ermbey).
"The Man I Love" (Gershwin).
- 9.55 p.m.—Victor Harding, bass:
"Sanctuary" (Hewitt).
- 9.58 p.m.—Radi-O-Aces:
"Was it a dream" (Brett).
"Together" (Brown).
"Mary Ann" (Davis).
- 10.8 p.m.—Archie and Wattie:
Mirthful Meanderings.
- 10.11 p.m.—Radi-O-Aces:
"Tell me to-night" (Little).
"Oh, Doris, where do you live?" (Kahn).
"There's one little girl who loves me"
(Kahn).
- 10.21 p.m.—Minnie Waugh, soprano:
"Wake Up" (Montague Phillips).
- 10.24 p.m.—Radi-O-Aces:
"Polly" (Zamecnik).
"Felix the Cat" (Naustraum).
"Delirium" (Schutt).
- 10.34 p.m.—Victor Harding, bass:
"The Horn" (Flegler).
- 10.37 p.m.—Radi-O-Aces:
"Blueberry Land" (Bryan).
"Shake it down" (Williams).
"Lonely Acres" (Robinson).
- 10.50 p.m.—"Age" News Service, exclusive to
3AR.
- 10.58 p.m.—Weather forecast.
- 11 p.m.—"God Save the King."

4QG, BRISBANE

TUESDAY, 6th NOVEMBER, 1928.

EARLY MORNING SESSION.

- 8 a.m.—From the Studio:
This Morning's news, supplied by courtesy
of the Brisbane Metropolitan Daily News-
papers.
- 8.50 p.m.—Close down.

MORNING SESSION.

11 a.m. to 12 noon.

MIDDAY SESSION.

- 1 p.m.—Market reports and weather informa-
tion.
- 1.15 p.m.—From the Paris Cafe:
Lunch-hour music.
- 1.59 p.m.—From The Brisbane Observatory:
Time signals.
- 2 p.m.—Close down.

AFTERNOON SESSION.

- 3 p.m.—From The Studio:
A programme of electrically reproduced re-
cords.
- 3.30 p.m.—Mail train running times.
- 4.15 p.m.—This afternoon's news.
- 4.30 p.m.—Close down.

EARLY EVENING SESSION.

- 6 p.m.—From the Studio:
Mail train running times.
Mail information.
Shipping news.
- 6.5 p.m.—From The Paris Cafe:
Dinner music.
- 6.25 p.m.—From The Studio:
Commercial announcements.

CHILDREN'S HOUR.

- 6.30 p.m.—Bedtime Stories, conducted by
"Uncle Ben."

LATE COMMERCIAL NEWS.

- 7 p.m.—News in brief.
- 7.5 p.m.—Stock Exchange news.
- 7.6 p.m.—Metal quotations.
- 7.7 p.m.—Market reports.
- 7.25 p.m.—Fenwick's Stock report.
- 7.30 p.m.—Weather information.
- 7.40 p.m.—Announcements.
- 7.43 p.m.—Standard time signals.
- 7.45 p.m.—Lecturette: "Medical Work in the
Department of Public Instruction," Part 2—
by Dr. L. St. Vincent Welch (Chief Medical
Officer, Department of Public Instruction).

NIGHT SESSION.

- 8 p.m.—From the studio:
The Studio Instrumental Quartette (conduc-
tor, Fred C. Smith):
Overture, "Golden Sceptre" (Schlepegrell).
S. P. Bacon, tenor:
"A Bowl of Roses" (Clarke).
"Until" (Sanderson).
The Studio Instrumental Quartette:
"Demoiselle Chic" (Fletcher).
"Little Coquette" (Hans Flath).
Ethel Woolmer, contralto:
"Rose, Softly Blooming" (Spohr).
"Weigenlied" (Schubert).
The Studio Instrumental Quartette:
A group of popular numbers.
A. N. Falk, baritone:
"Didst Thou But Know" (Wright).
"Little Playmates" (Tuckfield).
The Studio Instrumental Quartette:
"Fairy Flirtation" (Boehnlén).
"Heartsease" (McBeth).
Jean Jarrott, soprano:
"Wings" (D'Hardelot).
"Keep on Hopin'" (Maxwell).
The Studio Instrumental Quartette:
March, "Advance" (Bennett).
- 9 p.m.—Metropolitan weather forecast.
Part II.—Brisbane Apollo Club.
- 9.1 p.m.—From the studio:
A programme by the Brisbane Apollo Club
(Conductor, Mr. Leonard Francis):
Brisbane Apollo Club:
Chorus, "The Boy in Blue" (Lovell).
"The Last Day of May" (Molique).
"Alexander."
W. J. Gilroy, tenor:
"My World" (Geehl).
Brisbane Apollo Club:
Chorus, "Buccaneers" (Candish).
"O, Breath of Music" (Behr).
"A Tragic Story" (Metcalfe).
Ernest Harper, baritone:
"O Flower of All the World" (Woodford).
"For the Green" (Lohr).
Brisbane Apollo Club:
Chorus, "The Viking Song" (Coleridge Tay-
lor).
"The Village Wedding" (de Rille).
"Negro Love Song" (Crosse).
(Soloist: H. Gilroy).
T. M. Flett, tenor:
"For You Alone" (Geehl).
Brisbane Apollo Club:
Chorus, "Drake's Drum" (Coleridge Tay-
lor).
"Lullaby" (Williams).
- 10 p.m.—"Queenslander" bi-weekly news for
country listeners; late news; weather news.
- 10.30 p.m.—Close down.

5CL, ADELAIDE

TUESDAY, 6th NOVEMBER, 1928.

MORNING SESSION.

- 11.0 a.m.—G.P.O. Chimes.
- 11.1 a.m.—Studio Recreator.
Recital of Columbia Recordings.
- 11.40 a.m.—"Economist";
Kitchen Craft and Menu Talk.

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Sugden Place off Little Collins St.
MELBOURNE

MIDDAY SESSION.

- 12.0 noon.—G.P.O. Chimes.
 12.1 p.m.—"The Advertiser"; General News Service.
 12.20 p.m.—British Official Wireless News.
 12.25 p.m.—Studio Recreator.
 Recital of Columbia Recordings.
 12.30 p.m.—From Flemington Racecourse, by courtesy of 3LO, Melbourne:
 A running description of the Melbourne Cup Hurdle Race, Two Miles, by Eric Welch.
 12.35 p.m.—Winifred Lavis, Songs at the Piano:
 "Sunshine" (Berlin).
 "The Song is Ended" (Berlin).
 12.42 p.m.—James Glennon, Violinist:
 "Canto Amoroso" (Sammartini).
 "Valse Brilliant" (Chopin).
 12.49 p.m.—S.A. Railway Information:
 12.50 p.m.—S. C. Ward and Co.'s Stock Exchange Information.
 12.57 p.m.—Meteorological Information.
 1.0 p.m.—Winifred Lavis, Songs at the Piano:
 "Lak Jeem" (Friml).
 "Love, the Jester" (Phillips).
 1.7 p.m.—James Glennon, Violinist:
 "Song Without Words" (Squire).
 "La Cinqtaine" (Marie).
 1.14 p.m.—Studio Recreator.
 Recital of Columbia Recordings.
 1.57 p.m.—Meteorological Information and Flemington Racing Results.
 2.0 p.m.—G.P.O. Chimes and Close Down.

AFTERNOON SESSION.

- 2.45 p.m.—Studio Recreator:
 Recital of Columbia Recordings.
 2.55 p.m.—From Flemington Racecourse, by courtesy of 3LO Melbourne:
 A Running Description of the Melbourne Cup, Two Miles, by Eric Welch.
 3.0 p.m.—Studio Recreator.
 Recital of Columbia Recordings.
 3.10 p.m.—Joe Brennan and Ida Newton:
 In a Comedy Sketch.
 3.22 p.m.—Studio Recreator.
 Recital of Columbia Recordings.
 3.30 p.m.—Molly Mackay, Soprano:
 "Moonlight" (Schumann).
 "Venetian Song" (Tosti).
 3.37 p.m.—Studio Recreator:
 Recital of Columbia Recordings.
 3.45 p.m.—Rev. G. E. Hale, B.A.,
 Will Speak on "The Moral Equivalent of War."
 4.0 p.m.—G.P.O. Chimes and Flemington Racing Results.
 4.1 p.m.—Wattie and Graham, Entertainers:
 Comedy Sketches.
 4.12 p.m.—Studio Recreator.
 Recital of Columbia Recordings.
 4.20 p.m.—Molly Mackay, Soprano:
 "Les Cloches" (Debussy).
 "A Mood" (Travers).
 4.27 p.m.—Studio Recreator.
 Recital of Columbia Recordings.
 4.57 p.m.—S. C. Ward and Co.'s Stock Exchange Information.
 5.0 p.m.—G.P.O. Chimes and Close Down.

EVENING SESSION.

- 6 p.m.—G.P.O. chimes.
 6.1 p.m.—Children's Happy Moments. Birthday greetings, correspondence, songs and stories, by "The Wattle Lady."
 6.30 p.m.—Dinner music.
 Recital of Columbia recordings on the studio "Recreator."
 6.55 p.m.—Resume of Flemington sporting.
 7 p.m.—G.P.O. chimes.
 7.1 p.m.—S. C. Ward and Co.'s Stock Exchange information.
 7.4 p.m.—General market reports.
 7.8 p.m.—5CL's sporting service, by "Silvius."
 7.15 p.m.—Miss Laurie McLeod:
 Talk on "The Art of Dancing."
 7.30 p.m.—Gardening talk. Arranged and supplied by Lasscock's Nurseries, Lockleys.
 7.40 p.m.—Dr. Herbert Basedow, M.P.:
 An Australian talk.

NIGHT SESSION.

- 8 p.m.—G.P.O. chimes.
 8.1 p.m.—"The News" Symphony Orchestra:
 March, "Loziers" (Lithgow).
 Overture, "Bohemian Girl" (Balfe).
 8.14 p.m.—Molly Mackay, soprano:
 "A Little Birdie" (Puccini).
 "Blossoms" (Hurlstone).
 8.21 p.m.—"The News" Symphony Orchestra:
 Waltz, "My Paradise" (Zamecnik).
 "Beethoven's Minuet in G."
 8.31 p.m.—Joe Brennan and Ida Newton:
 In comedy sketches.
 8.43 p.m.—Tom King, pianist:
 "Butterfly" (Grieg).
 "Valse" (Debussy).
 8.51 p.m.—Molly Mackay, soprano:
 "Flower Rain" (Schneider).
 "Lullaby" (Scott).
 9 p.m.—G.P.O. chimes.
 9.1 p.m.—Meteorological information.
 9.3 p.m.—Overseas grain report.
 9.4 p.m.—"The News" Symphony Orchestra:
 Selection, "H.M.S. Pinafore" (Sullivan).
 9.17 p.m.—Wattie and Graham, entertainers:
 Comedy sketches.
 9.27 p.m.—"The News" Symphony Orchestra:
 Overture, "Poet and Peasant" (Suppe).
 9.37 p.m.—Joe Brennan and Ida Newton:
 In more fun and harmony.
 9.44 p.m.—"The News" Symphony Orchestra:
 "Roaring Volcano."
 9.50 p.m.—Wattie and Graham, entertainers:
 In more comedy sketches.
 10 p.m.—G.P.O. chimes.
 10.1 p.m.—"The Advertiser" general news service.
 10.8 p.m.—International news.
 10.12 p.m.—"Silvius" will give a resume of the running of the Melbourne Cup, and other races at Flemington to-day.
 10.20 p.m.—By courtesy of 3LO, Melbourne:
 The Radi-o-Aces' Dance Band.
 Dance numbers.
 10.49 p.m.—"Silvius" will give a resume of the running of the Melbourne Cup and other races at Flemington to-day.
 10.57 p.m.—Meteorological information and programme announcements.
 11 p.m.—God Save the King.

6WF, PERTH.

TUESDAY, 6th NOVEMBER, 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.
 Station announcements.
 1.2 p.m.—Studio Instrumental Trio, conducted by Mr. Val Smith.
 1.30 p.m.—Close down.

AFTERNOON SESSION.

- 3.30 p.m.—Tune in.
 3.35 p.m.—Pianoforte selections by Miss Audrey Dean.
 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.
 6.48 p.m.—Stories for the Kiddies and Birthday greetings by Uncle Percy.
 7.5 p.m.—Items by the Studio Trio.
 7.30 p.m.—Stocks, Markets, news.
 7.45 p.m.—Talk by Dr. J. W. 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. W. W. Wilkins.
 9 p.m.—Late news items by courtesy of "The Daily News" Newspaper Co.
 Ships within range announcement.
 Weather report and forecast.
 Station announcements.
 9.10 p.m.—Series of travel talks in Spain and Morocco by Mr. Harold Redcliffe, No. 2:
 Seville: "Land of Orange Groves and Olives."
 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, 6th NOVEMBER, 1928.

MIDDAY SESSION.

- 11.30 a.m.—His Master's Voice in Moments Merry and Musical.
 11.34 a.m.—Special Midlands Weather forecast.
 11.35 a.m.—His Master's Voice in Moments Merry and Musical.
 11.55 a.m.—Tasmanian Stations 9 a.m. weather report.
 12 noon.—G.P.O. Clock chimes the hour.
 12.1 p.m.—Shipping information.
 Ships within wireless range.
 Mail Notices.
 Housewives Guide.
 12.8 p.m.—His Master's Voice in Moments Merry and Musical.
 12.11 p.m.—British Official Wireless news.
 12.20 p.m.—His Master's Voice in Moments Merry and Musical.
 12.29 p.m.—Announcements.
 12.33 p.m.—His Master's Voice in Moments Merry and Musical.
 12.45 p.m.—"Mercury" news service.
 Produce Sales held at Railway.
 1 p.m.—Running description of Cup Hurdle Race, 2 miles, run at Flemington, Victoria.
 1.5 p.m.—His Master's Voice in Moments Merry and Musical.
 1.30 p.m.—Close down.
 1.40 p.m.—Running description of Railway Heighweight Handicap, 6 furlongs, run at Flemington, Victoria.
 1.45 p.m.—Close down.
 2.40 p.m.—Running Description of November Nursery, 5 furlongs, run at Flemington, Victoria.
 2.45 p.m.—Close down.

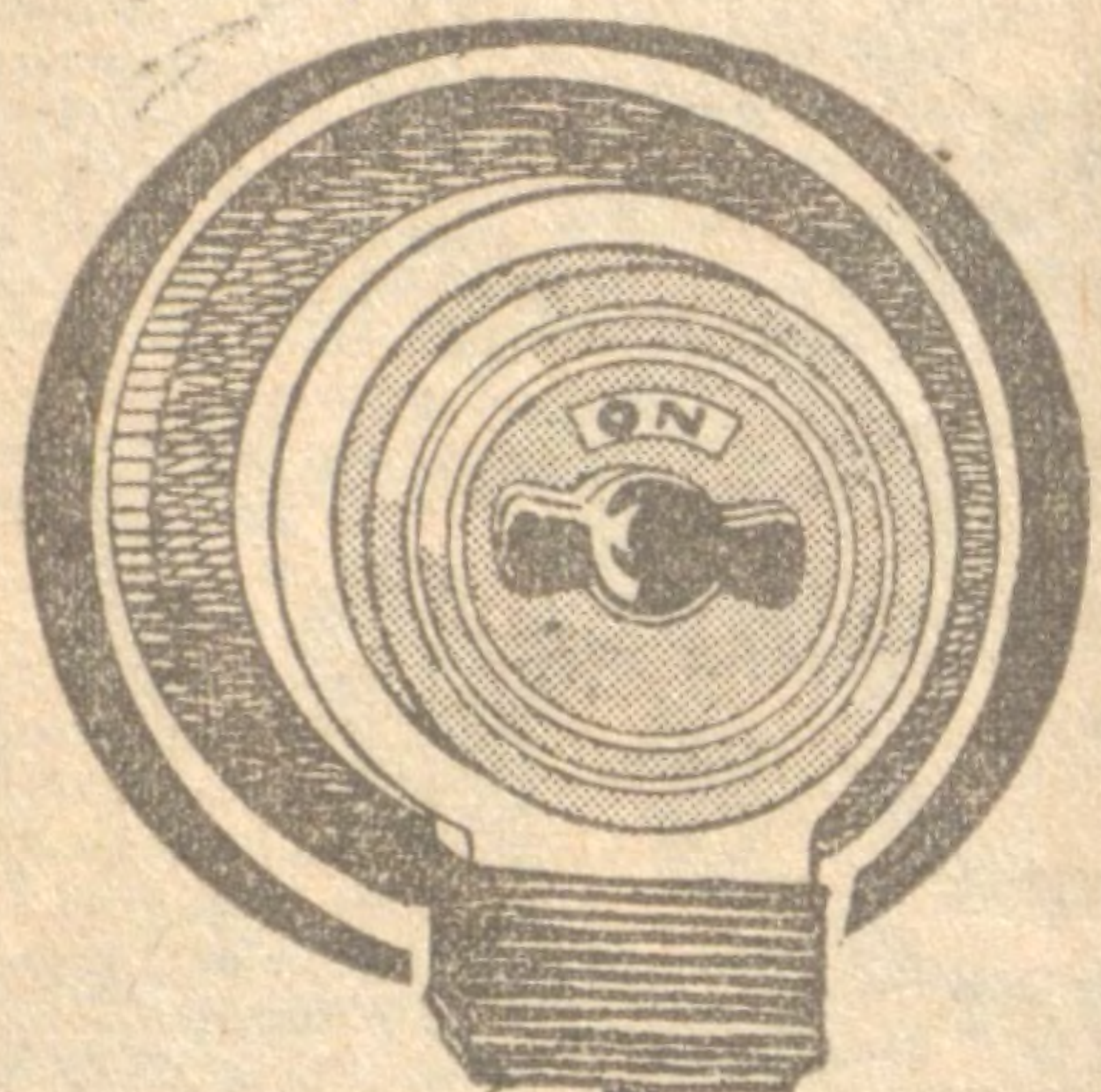
AFTERNOON SESSION.

- 3 p.m.—G.P.O. Clock chimes the hour.
 3.1 p.m.—His Master's Voice in Moments Merry and Musical.
 3.5 p.m.—Weather information.
 3.6 p.m.—His Master's Voice in Moments Merry and Musical.
 3.30 p.m.—Running description of Melbourne Cup, 2 miles, run at Flemington, Victoria.
 3.38 p.m.—Educational talk:
 "Education is a possession which cannot be taken away from Men." (Epictetus).
 3.53 p.m.—His Master's Voice in Moments Merry and Musical.
 4.20 p.m.—Running Description of Cup Steeplechase, 2 miles and half a furlong—run at Flemington, Victoria.
 4.25 p.m.—His Master's Voice in Moments Merry and Musical.
 4.30 p.m.—Close down.
 5 p.m.—Running Description of Yan Stakes, 1 mile, run at Flemington, Victoria.
 5.5 p.m.—Close down.

EARLY EVENING SESSION.

CHILDREN'S HOUR.

- 6.15 p.m.—His Master's Voice in Moments Merry and Musical.



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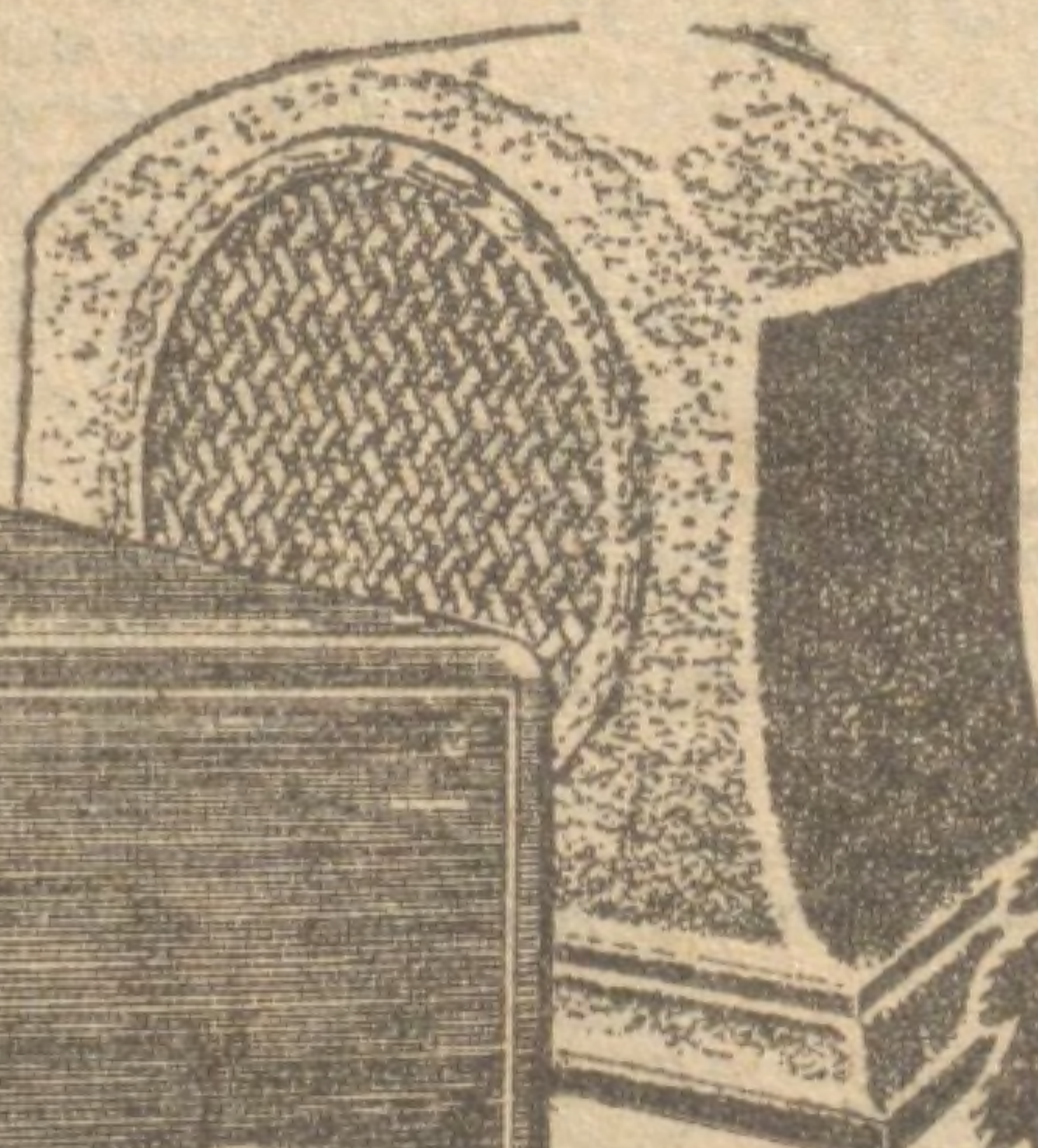
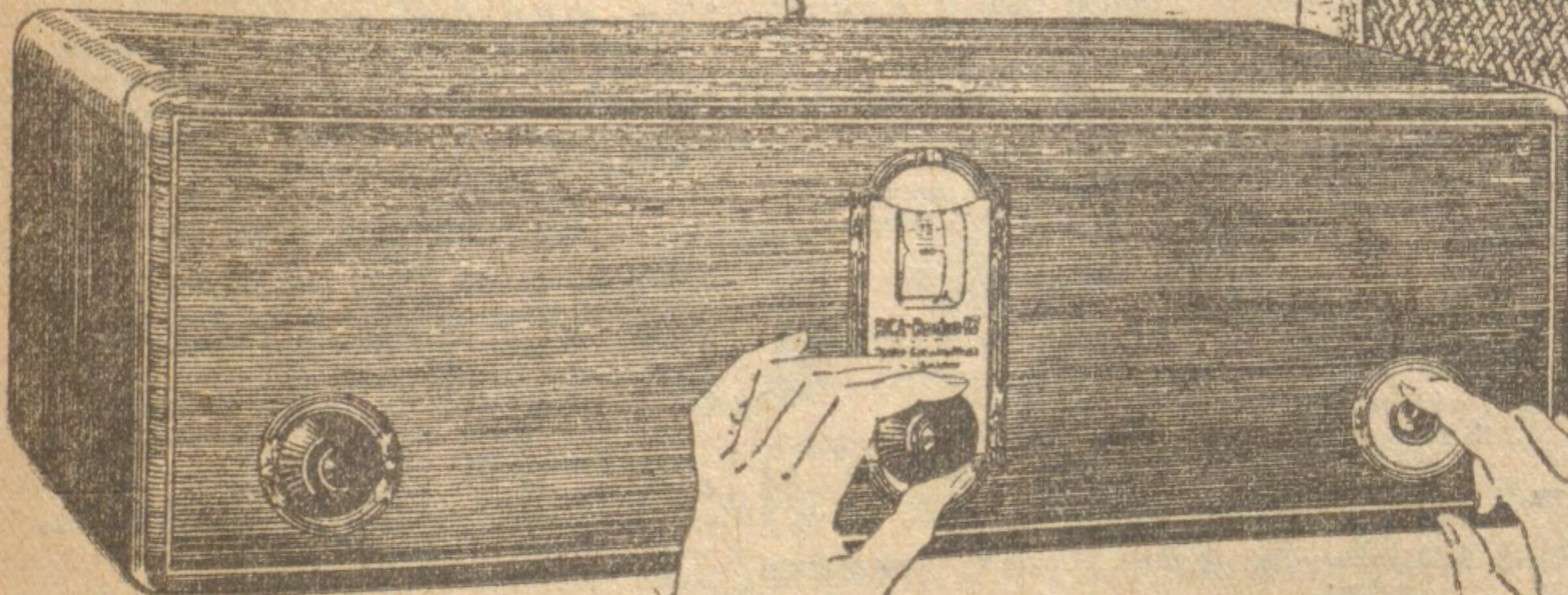
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easy finance plan.) ☐

6.45 p.m.—The Storey Lady: A Story for the Children: "Julius Caesar."
 7 p.m.—Answers to Letters and Birthday Greetings.
 7.5 p.m.—His Master's Voice in Moments Merry and Musical.
 7.15 p.m.—"Mercury" special Tasmanian news service.
 Railway Auction Produce Sales. Weather information. Hobart Stock Exchange quotations.

EVENING SESSION.

7.30 p.m.—Under the auspices of the Agricultural and Stock Department of Tasmania, A. Powell, will speak on: "Poultry Keeping."
 7.45 p.m.—W. E. Fuller, will speak on: "Literary Lapses and Library Lists."
 8 p.m.—G.P.O. Clock chimes the hour.
 8.1 p.m.—Fifty Years Ago To-day:
 8.2 p.m.—Acknowledgment of 72L and "Mercury" Appeal for Wireless Equipment of Hobart General Hospital. Senior Birthday Greetings.
 "Lest We Forget."
 8.3 p.m.—Scene—the Bedside of a patient at the General Hospital, Hobart.
 CASTE.
 A Patient.
 A Nurse.
 Rev. Williams.
 8.18 p.m.—Naval Reserve.
 Amateur Boxing Championships.
 Transmission from the Naval Drill Hall, Domain, Hobart, description by "Olympus."
 9 p.m.—From the Frozen South:
 Re-broadcast of Concert and talk on the flight of Sir George Wilkins—transmitted on short wave from S.S. N.T. Nielson Alonso—the whaler stationed amongst the ice packs in the Ross Sea near the South Pole.
 9.15 p.m.—Naval Reserve:
 Amateur Boxing Championships.
 Transmission from the Naval Drill Hall, Domain, Hobart, description by "Olympus."
 10 p.m.—From the studio:

NEWS SESSION.

British Official Wireless news.
 "Mercury" special Tasmanian news service.
 Tasmanian District Weather reports.
 God Save the King.

Wednesday, November 7

New South Wales Broadcasting Company, Limited.

2FC, SERVICE.

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.
 7.5 a.m.—Studio Music.
 7.20 a.m.—Country Session: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence mail services, river reports.
 7.25 a.m.—Investment market, mining share market, metal quotations.
 7.35 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.
 7.45 a.m.—"Sydney Morning Herald" summary.
 7.50 a.m.—Studio Music.
 8 a.m.—"Big Ben." Close down.

MORNING SESSION.

10 a.m.—"Big Ben" and announcements.
 10.2 a.m.—Studio Music.
 10.10 a.m.—"Sydney Morning Herald" news service.
 10.25 a.m.—Studio Music.
 10.45 a.m.—A Talk on Home Cooking and Recipes by Miss Ruth Furst.
 11 a.m.—"Big Ben."
 A.P.A. and Reuter's Cable Services.
 11.5 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 news: "Sydney Morning Herald."
 12.15 p.m.—Rugby wireless news.
 12.18 p.m.—A Rading by A. S. Cochrane.
 12.30 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.
 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

2.30 p.m.—Programme announcements.
 2.32 p.m.—Educational Session for the Schools: Subject, "Let's Go Round the World," interspersed with suitable music.
 3 p.m.—"Big Ben."
 Note.—During the afternoon, race results from Ascot will be transmitted as received.
 Kathleen Roe, pianoforte solos:
 (a) "Prelude and Fugue" (Bach).
 (b) "First Movement Sonata" (Mozart).
 3.10 p.m.—Studio Music.
 3.15 p.m.—Radio Eisteddfod:
 Semi-finalists in the Radio Eisteddfod will be heard drawn from the various sections, including vocal, instrumental and humorous items.
 3.45 p.m.—A Talk.
 4 p.m.—"Big Ben."
 Hilda Nelson, soprano:
 (a) "When the dream is there" (D'Hardelet).
 (b) "I Wonder if love is a dream" (Forster).
 4.8 p.m.—Kathleen Roe, pianoforte solos:
 (a) "Impromptu Op. 66" (Chopin).
 (b) "Triana" (Albeniz).
 4.18 p.m.—Studio Music.
 4.30 p.m.—From the Studio:
 Hilda Nelson, soprano:
 (a) "The Fiddler of June" (Leslie Elliott).
 (b) "Love's Springtime" (Logan).
 4.38 p.m.—Dance Music.
 4.45 p.m.—From the Studio:
 Stock Exchange, third call.
 4.47 p.m.—Pianoforte reproduction.
 5 p.m.—"Big Ben." Close down.

EARLY EVENING SESSION.

5.40 p.m.—The chimes of 2FC.
 5.45 p.m.—The Children's Session, conducted by the "Hello Man."
 Letters and stories.
 6.15 p.m.—Music and entertainment.
 6.30 p.m.—Dalgety's market reports (wool, wheat and stock).
 6.40 p.m.—Fruit and vegetable markets.
 6.43 p.m.—Stock Exchange information.
 6.45 p.m.—Weather and shipping news.
 6.48 p.m.—Rugby wireless news.
 6.50 p.m.—Late sporting news.
 7 p.m.—"Big Ben." Late news service.
 7.10 p.m.—The 2FC Dinner Quartet, conducted by Horace Keats:
 (a) "Entracte Valse" (Hellmesberger).
 (b) "The Gipsy Princess" (Kalman).
 (c) "Czardas" (Michiels).
 (d) "Decameron Nights" (Finck).
 (e) "Moonlight in Venice" (Armandola).
 (f) "Can't yo' heah me Callin'" (Roma).

NIGHT SESSION.

Announcer LAURENCE HALBERT
 7.40 p.m.—Programme announcements.
 7.47 p.m.—Pianoforte reproduction.
 8 p.m.—"Big Ben." The N.S.W. Broadcasting Company's Orchestra, conducted by Willie Redstone.
 8.15 p.m.—Wilfrid Thomas, basso.
 8.23 p.m.—St. Quintin Downer, pianoforte solos:
 (a) "1st Movement Sonata in A Minor" Op. 42 (Schubert).
 (b) "Scherzo" (from Sonata in A Minor (Schubert).

8.35 p.m.—Madame Florence Kay, eminent English contralto.
 8.42 p.m.—The N.S.W. Broadcasting Company's Orchestra.
 9 p.m.—"Big Ben." Late weather forecast.
 Hilda Sutton (violinist) and Leila Job (coon songs).
 9.10 p.m.—The N.S.W. Broadcasting Company's Orchestra.
 9.22 p.m.—Wilfrid Thomas, basso.
 9.30 p.m.—St. Quintin Downer, pianoforte solos:
 (a) "Minuetto" (Schubert).
 (b) "Impromptu" (C Minor) (Schubert).
 9.38 p.m.—Madame Florence Kay, eminent English contralto.
 9.46 p.m.—The N.S.W. Broadcasting Company's Orchestra.
 10 p.m.—"Big Ben." Hilda Sutton (violinist) and Leila Job (coon songs).
 10.10 p.m.—Dance music.
 10.27 p.m.—To-morrow's programme and late news.
 10.30 p.m.—National Anthem.
 Close down.

2BL, SERVICE.

WEDNESDAY, 7th NOVEMBER, 1928

MORNING SESSION.

8 a.m.—G.P.O. Clock and chimes.
 Metropolitan Weather report.
 8.1 a.m.—State Weather report.
 8.2 a.m.—Studio Music.
 8.15 a.m.—G.P.O. Clock and chimes.
 News from the "Daily Telegraph Pictorial."
 8.25 a.m.—Studio Music.
 8.30 a.m.—G.P.O. Clock and chimes.
 Studio music.
 8.35 a.m.—Information, Mails, shipping, arrivals, departures and sailings.
 8.38 a.m.—News from the "Daily Telegraph Pictorial."
 8.45 a.m.—G.P.O. Clock and chimes.
 Studio music.
 9 a.m.—G.P.O. Clock and chimes.
 Studio music.
 9.30 a.m.—Half an hour with silent friends.
 10 a.m.—G.P.O. Clock and chimes.
 Close down.

MIDDAY SESSION.

11 a.m.—G.P.O. Clock and chimes.
 Women's Session.
 Sporting talk by Miss Gwen Varley, Women's Sports Authority.
 11.15 a.m.—Talk on Electricity in the Home.
 12 noon.—G.P.O. Clock and chimes.
 Special Ocean forecast and weather report.
 12.3 p.m.—Studio Music.
 12.30 p.m.—G.P.O. Clock and chimes.
 Shipping and mails.
 12.35 p.m.—Market reports.
 12.48 p.m.—"Sun" midday news service.
 1 p.m.—Studio music.
 1.30 p.m.—Talk to children and special entertainment for Children in Hospital.
 2 p.m.—G.P.O. Clock and chimes.
 Close down.
 Note: Results from Ascot Ponies will be given as received by courtesy of "Sun" Newspapers. At 3.45 p.m., a racing resume will be given from Station 2BL.

AFTERNOON SESSION.

3.45 p.m.—G.P.O. Clock and chimes.
 Musical programme from the studio.
 4 p.m.—Romano's Restaurant Dance Orchestra broadcast from Romano's.
 4.10 p.m.—Miss Edna Lister, contralto:
 (a) "Lie there my Love" (Maccunn).
 (b) "Mifanwy" (Forster).
 4.17 p.m.—"Sun" news service.
 4.22 p.m.—Mr. Maynard Wilkinson, pianist:
 (a) "Chant d'Amour" (Stojowski).
 (b) "Serenata" (Cyril Scott).
 4.29 p.m.—Talk on "How to get on the stage, what to do, where to go, and how to go about it," by Mr. Jack Cannel.
 4.34 p.m.—Romano's Restaurant Dance Orchestra.



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Representative A. C. Cossor Ltd., London.

- 4.45 p.m.—Miss Eunice Hurst, violinist:
 (a) "Solitude sur la Montagne" (Svendsen).
 (b) "Orientale" (Cesar Cui).
 4.52 p.m.—Miss Edna Lister:
 "To the Evening Star" (Raff).
 4.55 p.m.—Romano's Restaurant Dance Orchestra.
 5.5 p.m.—"Sun" news service.
 5.12 p.m.—Mr. Maynard Wilkinson:
 (a) "Chant du Voyageur" (Paderewski).
 (b) "A Romp" (Finale from Second Suite) York Bowen.
 5.19 p.m.—Miss Edna Lister:
 "The Leaves and the Wind" (Leonti).
 5.32 p.m.—Miss Eunice Hurst:
 "Volga Boat Song" (Kreisler).
 5.30 p.m.—Features of evening's programme.
 5.32 p.m.—Racing resume of Ascot Pontes.

EARLY EVENING SESSION.

- 5.40 p.m.—Children's Music and entertainment.
 6.30 p.m.—Children's letters and stories.
 6.40 p.m.—Gulbransen Dinner Music.
 7.10 p.m.—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.
 Grain and Fodder report ("Sun").
 Dairy Produce report ("Sun").
 7.25 p.m.—Pim and Pam in advertising talks and nonsense.
 7.55 p.m.—Programme and other announcements.

EVENING SESSION.

- 8 p.m.—From the Town Hall, Sydney: The Right Honorable S. M. Bruce, Prime Minister will Address the Electors of New South Wales.
 9.50 p.m.—From the Studio: Radio Eisteddfod: A number of semi-finalists will be heard, drawn from the various sections as follows:
 Choral Section: Choirs drawn from those entering under—Section 1, Church Choirs; Section 2, Mixed Choirs; Section 3, Male Choir; Section 4, Female Choir; Section 5, Mixed Quartette; Section 6, Male Quartette.
 Instrumental Section: Semi-finalists from the instrumental section include—Section 14, Championship Pianoforte Solo; Section 15, Pianoforte Solo, under 16 years of age.
 Popular Section: Semi-finalists from the Popular section include—Section 27, Popular Vocalists; Section 28, Comedians; Section 29, Radio Revue, and Section 30, Entertainers.
 11 p.m.—Resume of following day's programme.
 11.8 p.m.—Romano's Restaurant Dance Orchestra broadcast from Romano's. During intervals between dances "Sun" news will be broadcast.
 11.30 p.m.—National Anthem.

2GB, SYDNEY.

WEDNESDAY, 7th NOVEMBER, 1928

MORNING SESSION.

- 10 a.m.—Music.
 10.10 a.m.—Happiness talk by A. E. Bennett.
 10.20 a.m.—Music.
 10.30 a.m.—Womens' Session by Miss Helen J. Beegling.
 11.30 a.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—Music.
 2.5 p.m.—Talk by Mrs. Jordan.
 Women's Radio Service.
 2.30 p.m.—Music.
 2.45 p.m.—Talk.
 3 p.m.—Close down.

EVENING SESSION.

- 5.30 p.m.—Children's Session by Uncle George.
 Radio Movie Club.

- 7 p.m.—Stock and Market reports by New Zealand Loan and Mercantile Agency Ltd.
 7.15 p.m.—Music.
 8 p.m.—Cliff A. Peir and his Spanish Guitar.
 8.10 p.m.—Songs by Miss Florence Gordon.
 8.17 p.m.—Announcements.
 8.22 p.m.—Pianoforte Solos by Miss Belle Young.
 8.30 p.m.—Songs by Mr. Maurice Helson.
 8.37 p.m.—Flute Solos by Mr. Leslie Sproule.
 8.45 p.m.—Address by Professor E. Wood.
 9 p.m.—Weather report.
 9.2 p.m.—Songs by Miss Florence Gordon.
 9.9 p.m.—Dance Music played by Mr. Cliff A. Peir.
 9.20 p.m.—Resume of programme.
 9.25 p.m.—A One Act Play arranged by Miss Mollie Kirwan.
 9.42 p.m.—Songs by Mr. Maurice Helson.
 9.49 p.m.—Flute solos by Mr. Leslie Sproule.
 10 p.m.—Close down.

3LO, MELBOURNE.

WEDNESDAY, 7th NOVEMBER, 1928

EARLY MORNING SESSION.

- 7.15 a.m.—Morning Melodies.
 7.20 a.m.—Morning Exercises to Music.
 7.30 a.m.—Stock Reports; Market Reports; General News; Shipping, Sporting Information.
 8.0 a.m.—Melbourne Observatory Time Signal; Express Train Information.
 8.1 a.m.—Morning Melodies.
 8.15 a.m.—Close Down.

MORNING SESSION.

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

RECIPE.

APPLE SALAD.

Five nice red apples. A little chopped celery. Mayonnaise or salad dressing. Five lettuce leaves. Five gherkins.

Rub apples up, cut a slice off top (stem end). Carefully scoop out the inside. Remove the core and mince up pulp. Add celery cut finely, and mix with dressing. Refill the apple skins or cases. Place each apple on lettuce leaf and stand gherkin in each for the stem.

- 11.5 a.m.—MISS I. D. BEAVAN:
 "Home Made Confectionery."
 11.20 a.m.—Musical Interlude.
 11.25 a.m.—MRS. M. CALLAWAY MAHOOD:
 "Art of Decoration."
 11.40 a.m.—Musical Interlude.
 11.45 p.m.—MRS. CLARENCE WEBER, the Physical Culture Expert, will speak on "Physical Culture for Women."

MIDDAY SESSION.

BRASS BAND CONCERT.

- 12.0 noon.—Melbourne Observatory Time Signal; Express Train Information.
 12.1 p.m.—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.
 12.15 p.m.—Newmarket Stock Sales; Special Report by John McNamara and Co.
 12.20 p.m.—JOHNSTON'S STUDIO BOYS:
 March, "The King's Cavalier."
 Overture, "La Vivandiere."
 12.30 p.m.—CHARLES ULIVI, Baritone:
 Selected.
 12.37 p.m.—Stock Exchange Information.
 12.40 p.m.—JOHNSTON'S STUDIO BOYS:
 "Selections from Donizetti's Works."
 12.50 p.m.—LILIANE GAY, Soprano:
 "Berceuse de Jocelyn" (Godard).
 "Down in the Forest" (Ronald).
 12.57 p.m.—JOHNSTON'S STUDIO BOYS:
 "Gondola Love Song."
 1.4 p.m.—CHARLES ULIVI, Baritone:
 Selected.

- 1.11 p.m.—Meteorological Information:
 Weather Forecast for Victoria, Tasmania, South Australia and, New South Wales;
 Ocean Forecast; River Reports; Rainfall.
 1.17 p.m.—LILIANE GAY, Soprano:
 "I've Been Roaming" (Horne).
 "Chanson Florian" (Godard).
 1.24 p.m.—JOHNSTON'S STUDIO BOYS:
 Cornet Solos, "Ben Bolt."
 "Love's Old Sweet Song."
 1.30 p.m.—Transmission from the Freemasons' Hall, Collins Street, Melbourne.
 Speeches from the ROTARY CLUB LUNCHEON.
 2.0 p.m.—Close Down.

AFTERNOON SESSION.

Announcer: Frank Hatherley.

- 2.15 p.m.—THE STATION ORCHESTRA:
 "Valse Celebre" (Moskowsky).
 "Prelude" (Rachmaninoff).
 2.25 p.m.—MINNIE WAUGH, Soprano:
 "Ave Maria" (Mascheroni).
 "Happy Song" (Del Riego).
 2.32 p.m.—THE IMPERIAL RUSSIAN TRIO:
 John Berzinsky, 'Cello:
 "Petite Ballade" (Arensky).
 Arved Norit, Violin:
 "Chant Hindou" (Rimsky-Korsakov).
 The Trio.
 "Andante Cantabile" (Tchaikowsky).
 2.47 p.m.—JEAN HAMBLETON, Contralto:
 "In Haven" (Elgar).
 "Where Corals Lie" (Elgar).
 2.54 p.m.—THE STATION ORCHESTRA:
 "Ballet Dornroschen" (Tchaikowsky).
 "Legende" (Wienawski).
 3.4 p.m.—ARCHIE AND WATTIE, Entertainers:
 "Patter Specialists."
 3.11 p.m.—PERCY CODE, Trumpet:
 "My Dreams" (Tosti).
 3.18 p.m.—THE STATION ORCHESTRA:
 "Second Mazurka" (Godard).
 "Spirit of the Trees" (Hadley).
 3.28 p.m.—TOM MASTERS, Tenor:
 "In An Old-fashioned Town" (Squire).
 "Afton Water" (Hume).
 3.35 p.m.—AGNES FORTUNE, Piano:
 "A Night in May" (Palmgren).
 "Golliwog's Cakewalk" (Debussy).
 3.45 p.m.—MINNIE WAUGH, Soprano:
 "Still as the Night" (Bohm).
 "Open Thy Blue Eyes" (Massenet).
 3.52 p.m.—THE STATION ORCHESTRA:
 "Scenes de Ballet" (Glazounow).
 "Cavatina" (Raff).
 4.2 p.m.—JEAN HAMBLETON, Contralto:
 "Secrecy."
 "Barbara Allen" (Old English).
 4.9 p.m.—DOROTHY ROXBURGH, Viola:
 "Gondolara" (Reis).
 4.16 p.m.—ARCHIE AND WATTIE, Entertainers:
 Specialisers in Patter.
 4.23 p.m.—GUILDFORD BISHOP, Violin:
 "Ariosa" (Schafer).
 "Obertass" (Wieniawski).
 4.30 p.m.—TOM MASTERS, Tenor:
 "Songs of Araby" (Clay).
 "Mary" (Richardson).
 4.37 p.m.—THE STATION ORCHESTRA:
 "Three French Songs" (Bemberg, Debussy and Massenet).
 "Le Retour" (Bizet).
 4.50 p.m.—SONORA RECITAL of the World's Most Famous Records.
 5.0 p.m.—"Herald" News Service; Stock Exchange Information.
 5.10 p.m.—Acceptances and Barrier Positions for the Williamstown Races, to be held on Friday, 9th inst.
 5.15 p.m.—Close Down.

EVENING SESSION.

- 6.0 p.m.—Answers to Letters and Birthday Greetings, by "MARY MARY."
 6.25 p.m.—Musical Interlude.
 6.30 p.m.—"MARY MARY" will tell the children—"Don Quixote Fights the Windmills."

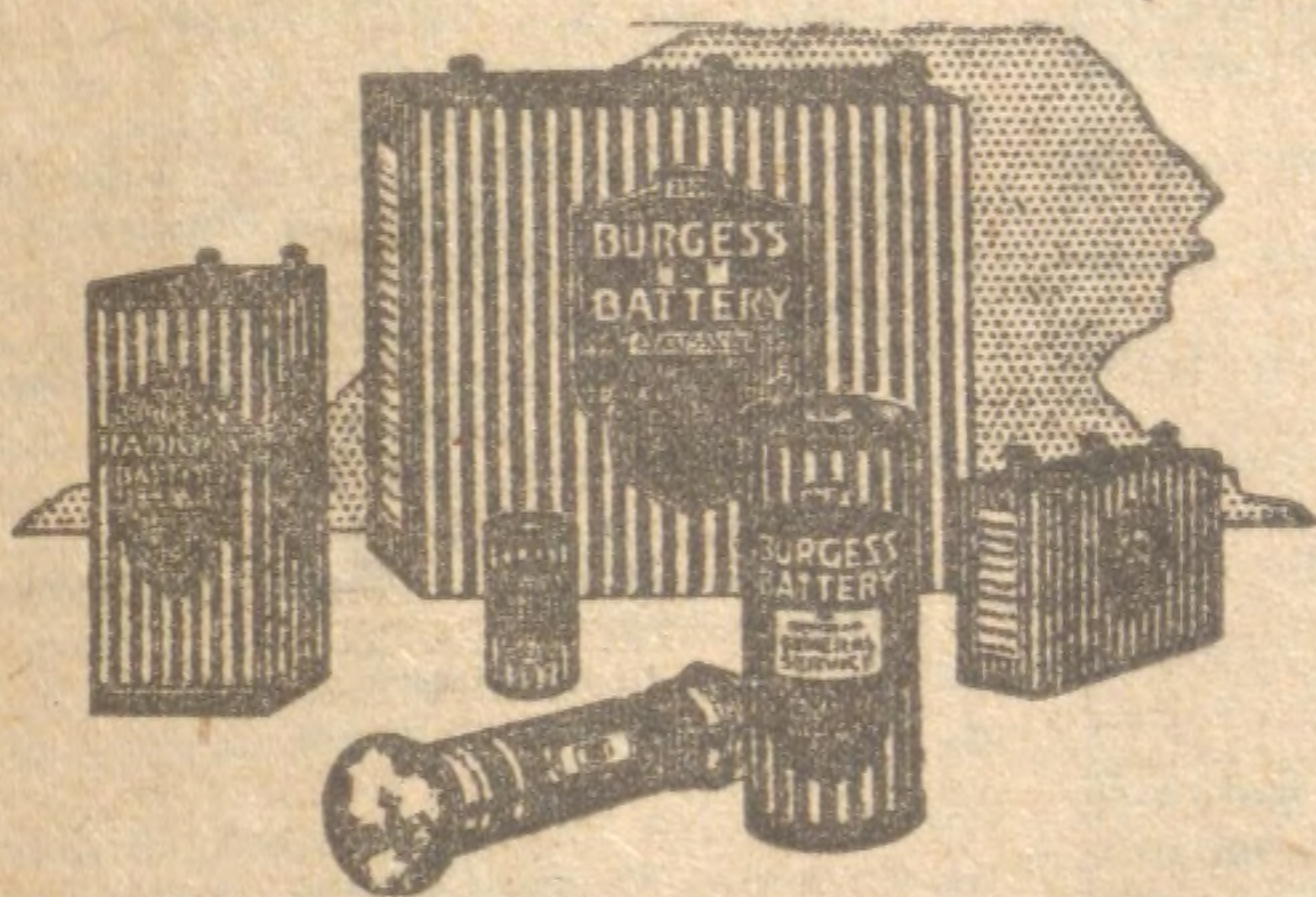
NIGHT SESSION.

- 7.5 p.m.—Stock Exchange Information.
 7.15 p.m.—Special Report of John McNamara and Co.; Official Report of the Newmarket

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the full race!



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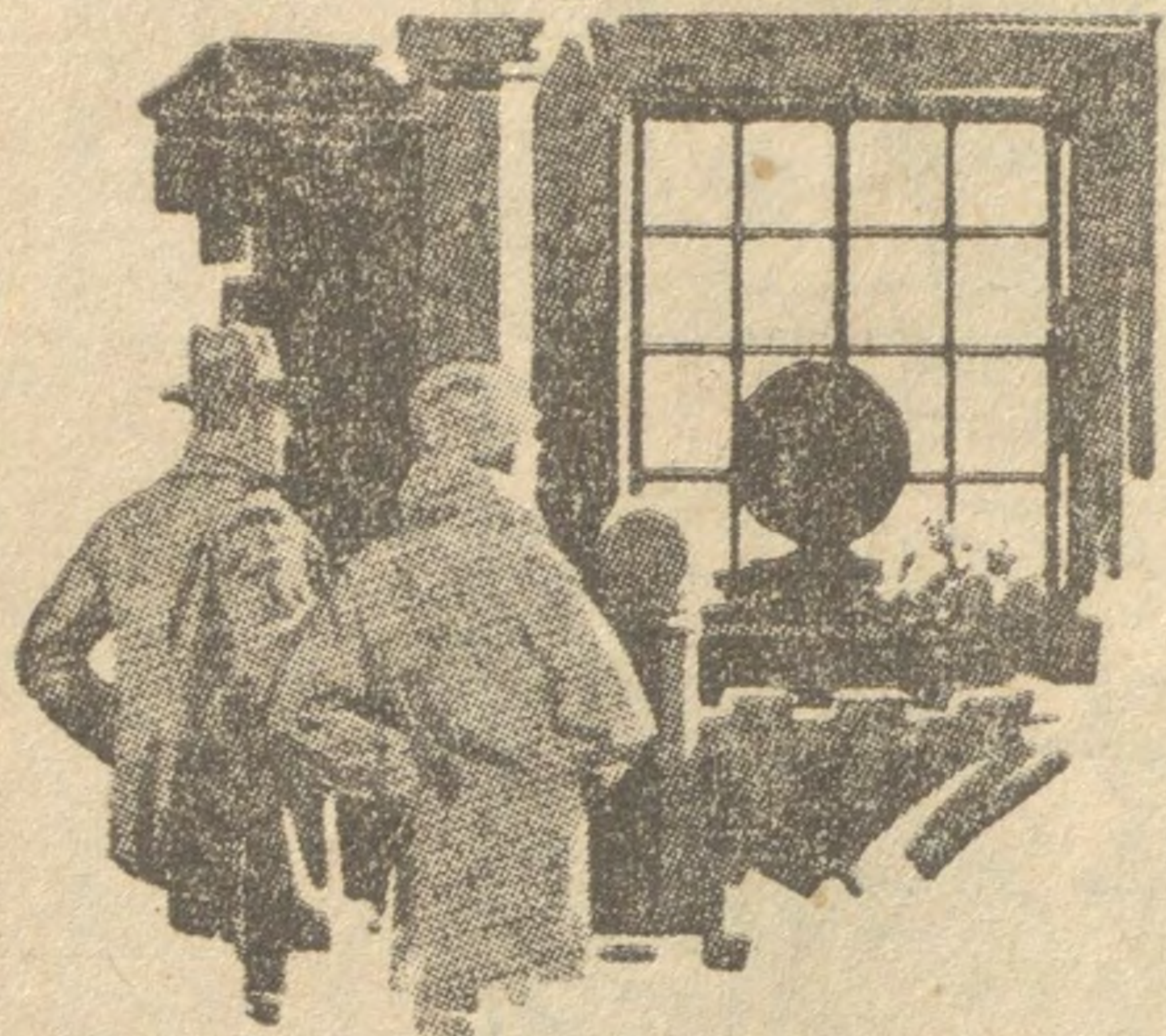
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7.30 p.m.—News Session.

7.43 p.m.—Birthday Greetings.

7.45 p.m.—OUT OF THE PAST.

7.46 p.m.—Under the auspices of the Department of Agriculture, E. T. BERULDSSEN, Irrigation Field Officer, will speak on "Irrigated Agriculture—Pasture Management."

8.0 p.m.—A MAKER OF HISTORY: Programme Announcements.

8.1 p.m.—R. H. Campbell will speak on: "Cricket."

8.5 p.m.—HUMPHREY BISHOP'S FAMOUS ENGLISH COMEDY AND OPERATIC COMPANY, assisted by the Station Orchestra.

1. Overture, featuring the Orchestra of the Humphrey Bishop Musical Comedy Company.

2. Humphrey Bishop introduces his Company.

3. Ragtime ensemble featuring Marie Landon, Alan Rlitsen and the Company.

4. John Montfort and Walter Kingsley will sing "Excelsior."

5. Comedy Interlude featuring George (Scratcher) Ross.

6. The Gentlemen of the Humphrey Bishop Company will entertain.

7. Marie Landon and Arthur Hemsley in "Newly-Weds."

8. Comedy Sketch, featuring Gwen Weston, Maurice Jaffey, and George (Scratcher) Ross.

9. Cecilie Audibert and John Montfort in Song and Harmony.

10. Arthur Hemsley, the Lancashire Comedian.

11. Alan Kitson and Elaine Maye in Light Comedy.

12. Walter Kingsley, the Distinguished English Baritone.

13. Maurice Jaffey and the Girls in, "When You and I Were Dancing."

14. George (Scratcher) Ross in a Comedy Interlude.

15. Grand Operatic Excerpt: Duet, Thelma Trott and John Montfort. Chorus, The Humphrey Bishop Company.

9.24 p.m.—During the Interval, PROFESSOR R. J. A. BERRY, M.D., F.R.C.S., F.R.S., University of Melbourne: "Good-bye to New York."

9.41 p.m.—HUMPHREY BISHOPS COMEDY COMPANY, Continued:

16. Entracte by the Humphrey Bishop Company.

17. Grand Operatic Excerpt from "Tannhauser"—"Star of Eve," Thelma Trott and Walter Kingsley. "Chorus of Pilgrims."

18. Arthur Hemsley in Light Comedy.

19. Thelma Trott, John Montfort, and the Gentlemen—"Eileen Alannah."

20. George (Scratcher) Ross, assisted by Gwen Weston, "Boy Scouts."

21. Arthur Hemsley, in one of his Humorous Character Impersonations.

22. Novel Burlesque, Comedietta, featuring George (Scratcher) Ross, Elaine Maye, and the Company.

23. Grand Finale—The Humphrey Bishop Company.

10.22 p.m.—ERIC WELCH will speak on tomorrow's events at Flemington—Oaks Day.

10.32 p.m.—"Argus" News Service; British Official Wireless News from Rugby; Meteorological Information.

10.43 p.m.—THE RADI-O-ACES:

"Too Busy" (Buellen).

"Adoree" (West).

"Lauretta" (Silva).

"Ohloe" (Kahn).

"I'm Tired of Making Believe" (Kelley).

"Should I Be Sorry" (Gapp).

"Chips"—Piano Solo (Masman).

11.0 p.m.—OUR GREAT THOUGHT.

11.1 p.m.—THE RADI-O-ACES.

11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

WEDNESDAY, 7th NOVEMBER, 1928

MORNING NEWS SESSION.

10 a.m.—G.P.O. clock says "Ten."

10.1 a.m.—"Age" Stock Exchange reports. London metal market.

10.10 a.m.—"Age" market reports: farm and station produce, fruit, fish, vegetables, etc.

10.25 a.m.—"Age" shipping reports. Ocean forecast.

10.30 a.m.—Mail notices. Express train information.

10.35 a.m.—"Age" news service, exclusive to 3AR.

10.59 a.m.—Weather forecast.

MORNING MUSICAL SESSION.

11 a.m.—Radi-O-Aces:

"Shanghai Dream Man" (Davis).

"Just a Memory" (Henderson).

"Lonesome in the Moonlight" (Baer).

11.15 a.m.—Archie and Wattle: Witty Whimsicalities.

11.22 a.m.—Radi-O-Aces:

"Halleluah" (Youmans).

"Sometimes I'm Happy" (Youmans).

"Varsity Drag" (Henderson).

11.32 a.m.—Freda Colhoun, contralto:

"My Peace Thou Art" (Schubert).

"Who is Sylvia?" (Schubert).

11.39 a.m.—Radi-O-Aces:

"Chloe" (Kahn).

"Lonely in a Crowd" (Greer).

"Louisiana" (Schafer).

11.54 a.m.—Robert Allen, alto:

"Oft in the Stilly Night" (MacFarren).

"The Blind Ploughman" (Coningsby Clarke).

12.1 p.m.—Radi-O-Aces:

"Nesting Time" (Nussbaum).

"Just a Year Ago To-night" (Rose).

"Golden Gate" (Jolson).

12.16 p.m.—Archie and Wattle: Go Wild and Wide.

12.23 p.m.—British official wireless. Announcements.

12.33 p.m.—Radi-O-Aces:

"Harvest Moon" (Baye).

"Rain" (Ford).

"Mine, All Mine" (Ruby).

12.48 p.m.—Freda Colhoun, contralto:

"The Spirit Song" (Haydn).

"Hedge Roses" (Schubert).

12.55 p.m.—Radi-O-Aces:

"The Wedding Waltz" (Gilbert).

"Jackass Blues" (Karcell).

"Down Where the Sun Goes Down" (Jones).

1.10 p.m.—Robert Allen, alto:

"Lackaday" (Ernest Crampton).

"Juanita" (Norton).

1.17 p.m.—Radi-O-Aces:

"Don't Keep Me in the Dark" (Bryan).

"Brown" (Darbney).

"Lo Nah" (Stept).

1.30 p.m.—Close down.

EVENING SESSION.

5 p.m.—A Selection of Recordings by World Famous Artists.

NIGHT SESSION.

8 p.m.—Kathleen Lascelles: "The Art of Dancing."

8.15 p.m.—Captain C. H. Peters: "Books, Wise and Otherwise."

8.30 p.m.—Brunswick City Band: Selection, "In Edinboro Toon" (Smith).

8.45 p.m.—Minnie Waugh, soprano: "A Summer Night" (Goring Thomas). "Rain" (Curran).

8.52 p.m.—Brunswick City Band: Intermezzo Scene, "In a Persian Market" (Ketelbey).

9.2 p.m.—Collins Street Baptist Church Choir: Gounod's Oratorio.

"MORS ET VITA"

(Life and Death).

Principals.

Soprano, Ella Kingston.
 Contralto, Winnie Mayberry.
 Tenor, V. Woff.
 Baritone, Ernest Sage.
 Organist, Mrs. Evans.
 Choir director, Mme. Ella Kingston.

Prologue.

A fearful things, to fall into the hands of
 God ever living.

The Voice of Jesus.

I am the Resurrection and the Life.

Chorus.

I am the Resurrection and the Life.

Requiem.

Quartette and Chorus:

"Ah, what shall we then be pleading?"

Solo and Chorus:

"Happy are we."

Duet and Chorus:

"Faint and worn, Thou yet hast sought us."

9.22 p.m.—Rev. Absalom Deans:

"The Church and a Warless World."

9.37 p.m.—Brunswick City Band:

Waltz, "Evening Echoes" (Greenwood).

March, "Slaidburn" (Rimmer).

9.47 p.m.—Charles Ulivi, late of J. C. Williamson's Operatic Co.:

Selected.

9.54 p.m.—Imperial Russian Trio (Arved

Norit, violin; John Berzinsky, 'cello; Wil-

liam Ibster, piano):

Violin, "Chanson Arabe" (Rimsky-Kors-

kov).

Piano, "Romance" (Glier).

Trio, "Chant sans Paroles" (Tschaikowsky).

10.10 p.m.—Minnie Waugh, soprano:

"What the Rain" (Chaminade).

"Snow Flakes" (Owen).

10.17 p.m.—Brunswick City Band:

Caprice, "The Whistler and His Dog"

(Douglas).

Humorous Fantasia, "Musical Fragments"

(Rimmer).

10.32 p.m.—Charles Ulivi, baritone:

Selected.

10.39 p.m.—Brunswick City Band:

Two little dances, "La Minuet" (Finck).

"La Gavotte" (Finck).

March, "El Albanico."

10.50 p.m.—"Age" News Service, exclusive to

3AR.

10.58 p.m.—Weather forecast.

11 p.m.—"God Save the King."

4QG, BRISBANE.**WEDNESDAY, 7th NOVEMBER, 1928****EARLY MORNING SESSION.**

8.0 a.m.—From the Studio:

This Morning's News, supplied by courtesy
 of the Brisbane Metropolitan Daily News-
 papers.

8.30 a.m.—Close Down.

MORNING SESSION.

11.0 to 12 noon.

MIDDAY SESSION.

1.0 p.m.—Market Reports and Weather In-

formation.

1.15 p.m.—From the G.P.O.:

The Postal Institute Orchestra.

1.58 p.m.—From the Brisbane Observatory:

Time Signals.

2.0 p.m.—Close Down.

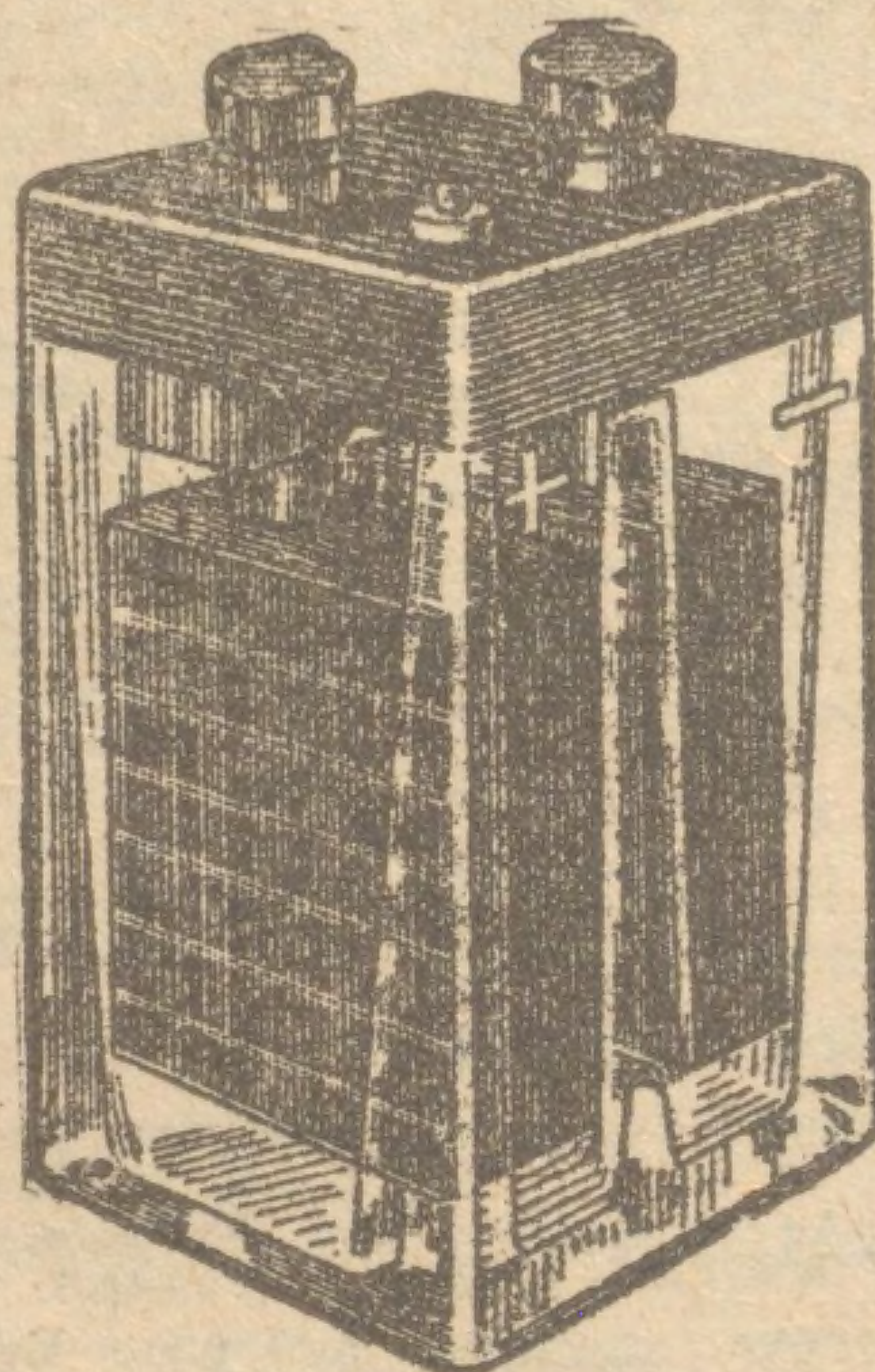
AFTERNOON SESSION.

From Ascot, Q.T.C. Race Meeting.

Between Races, Gramophone Selections
 from the Studio.

5.0 p.m.—Close Down.

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Life's Little Worries

Some day I shall return to a garden and fruit trees, with a hive of bees to put a little sting into things. There I shall shed hot city days, commission scrambling, stiff collars and alarm clocks.

I shall then find existence so blanky perfect that even a dog fight will be a relief.

It is part of the amusing game of life that the worries of making ends meet keep 'em meeting! When they meet without worry we often pass on because there is nothing else to do!

Life without worry is like catching a disabled ferry boat—nothing to it when you get there.

Reminds me of old Robinson. He told the world about his pet corn for ten years and then had it taken out—the way he misses that corn would make a chiropodist weep. It's the saddest bereavement I know.

If you haven't got any worries, buy them—get married, borrow money, back the favorite, bump into an Irishman, buy a cheap radio set. But find some worries quickly.

The man who thinks he is in a perfect world is like a small boy looking at a bubble—something will burst and put soap suds in his eye.

I only know one perfect thing—the Burgess Battery, and I should be afraid it was too perfect if it did not go West every year or so. Don't give me a radio battery which will last for ever, because I shall run down some day and I won't have my battery grinning afterwards.

If I didn't receive an occasional bill from New System Telephones Pty., Ltd., I should be worried.

So pack up your troubles in your old kit bag and carry them around.

EARLY EVENING SESSION.

- 6.0 p.m.—From the Studio:
Mail Train Running Times; Mail Information; Shipping News.
- 6.5 p.m.—From the Paris Cafe:
Dinner Music.
- 6.25 p.m.—From the Studio:
Commercial Announcements.

THE CHILDREN'S HOUR.

- 6.30 p.m.—Bedtime Stories, conducted by "Little Miss Brisbane."

LATE COMMERCIAL NEWS.

- 7.0 p.m.—News in Brief.
- 7.5 p.m.—Stock Exchange News.
- 7.6 p.m.—Metal Quotations.
- 7.7 p.m.—Market Reports.
- 7.25 p.m.—Fenwick's Stock Report.
- 7.30 p.m.—Weather Information.
- 7.40 p.m.—Announcements.
- 7.45 p.m.—Standard Time Signals.
- 7.45 p.m.—Lecturette: "Maize Insect Pests," by Mr. J. R. A. McMillan (Queensland Agricultural High School and College).

NIGHT SESSION.

PART I.—THE FEDERAL BAND.

- 8.0 p.m.—From the Studio:
The Federal Band (conductor, W. H. Davis):
March, "Honest Toil" (Rimmer).
W. Davis and J. Dautch:
Cornet Duet, "Wood Nymphs" (King).
The Federal Band:
Selection, "Hibernian Melodies" (Greenwood).
Tom Muller (elocutionist), selected item.
The Federal Band:
Valse, "Tessero Mio" (Beacci).
Fox-trot, "Where'd You Get Those Eyes?" (Donaldson).
Tom Muller (elocutionist):
Selected Item.
The Federal Band:
Hymn, "Rock of Ages" (Rednead).

PART II.—DANCE MUSIC.

- 8.30 p.m.—From the Studio:
Alf Featherstone and His Orchestra:
Rhythmic paraphrase, "Aida" (arr. Black).
Fox-trot, "The Robber's Dance" (Lewis).
- 8.40 p.m.—Mabel Malouf (Soprano):
"A Heart That's Free" (Robyn).
- 8.45 p.m.—Alf Featherstone and His Orchestra:
Fox-trot, "I'm Coming, Virginia" (Haywood).
Fox-trot, "When You Dream, Dream of Me" (Black).
- 8.55 p.m.—"Tecoma" will deliver another of his garden talks in connection with 4QG's flower scheme. His subject will be "Insect Foes of Summer Annuals."
- 9.5 p.m.—Metropolitan Weather Forecast.
Movements of Lighthouse Steamers.
- 9.6 p.m.—Alf Featherstone and His Orchestra:
Jazz-Waltz, "Laugh, Clown, Laugh" (Lewis).
- 9.16 p.m.—Mabel Malouf (Soprano):
"Se Saran Rose" (Arditi).
- 9.20 p.m.—Alf Featherstone and His Orchestra:
Fox-trot, "Shanghai Dream Man" (Davies).
Fox-trot, "Just a Memory" (Henderson).
- 9.30 p.m.—LILIAN CORRIGAN (Harpiste):
"Autumn" (Thomas).
"Home, Sweet Home" (Marquandt).
- 9.40 p.m.—ALF FEATHERSTONE
- 9.40 p.m.—Alf Featherstone & His Orchestra:
Fox-trot, "Rain" (Ford).
Fox-trot, "Lovely Little Silhouette" (Rose).
- 9.50 p.m.—Kao Maole Duo:
"Aloha Land."
"La Paloma."
"Hawaiian Echoes."
- 10.0 p.m.—Late News; Weather News.
- 10.15 p.m.—Alf Featherstone & His Orchestra:
In three-quarter's of an hour's dance music.
- 11.0 p.m.—Close Down.

6WF, PERTH

WEDNESDAY, 7th NOVEMBER, 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.
- Station announcements.
- 1.2 p.m.—Studio Instrumental Quintette, conducted by Mr. Val Smith:
- 2 p.m.—Close down.

AFTERNOON SESSION.

- 3.30 p.m.—Tune in.
- 3.35 p.m.—Afternoon Tea Concert relayed from the Rosebud Cafe, Perth.
Vocal and instrumental numbers from the Studio.
- 4.20 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.
- 6.48 p.m.—Uncle Duffy's evening with the Kiddies.
- 7.5 p.m.—Items by the Studio Trio.
- 7.30 p.m.—Stocks, Markets, News.
- 7.45 p.m.—Talk: "Stock Diseases" 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.—Variety Night:
Musical programme from the studio, including vocal and instrumental artists.
- 9 p.m.—Late News items by courtesy of "The Daily News" Newspaper Co.
Ships within range announcement.
Weather report and forecast.
Station announcements.
- 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

WEDNESDAY, 7th NOVEMBER, 1928

MIDDAY SESSION.

- 11.30 a.m.—Selections by the Melody Masters.
- 11.34 a.m.—Special Midlands Weather Forecast.
- 11.35 a.m.—His Master's Voice in Moments Merry and Musical.
- 11.55 a.m.—Tasmanian Stations 9 a.m. Weather Report.
- 12 noon.—G.P.O. Clock chimes the hour.
- 12.1 p.m.—Shipping information. Ships within wireless range. Mail notices. Housewives' Guide.
- 12.8 p.m.—Selections by the Melody Masters.
- 12.11 p.m.—British Official Wireless News.
- 12.20 p.m.—Selections by the Melody Masters.
- 12.29 p.m.—Announcements.
- 12.33 p.m.—Selections by the Melody Masters.
- 12.55 p.m.—"Mercury" News Service. Produce Sales held at Railway.
- 1.10 p.m.—Selections by the Melody Masters.
- 1.30 p.m.—Transmission from the Imperial Hotel, Collins Street, Hobart. Speeches at the Rotary Luncheon.
- 2 p.m.—Close down.

AFTERNOON SESSION.

- 3 p.m.—G.P.O. Clock chimes the hour.
- 3.1 p.m.—Weather information.
- 3.5 p.m.—Selections by the Melody Masters.

4.15 p.m.—Eileen May Rowlands, Directress of Hobart Free Kindergarten School, will speak on:

"Child Training."

4.30 p.m.—Results of Ladies' Golf.

EARLY EVENING SESSION.

CHILDREN'S HOUR.

6.15 p.m.—Selections by the Melody Masters.
6.30 p.m.—Little Shiela Carroll will sing:
"The Minuet."
"The Yeller Dog" (humorous).
6.40 p.m.—Answers to Letters and Birthday Greetings.
6.45 p.m.—Request items by the Melody Master.
7 p.m.—George Collis will speak to the Children: Physical Culture for Boys and Girls: "How to Grow Strong and Healthy."
7.10 p.m.—Selections by the Melody Master.
7.15 p.m.—"Mercury" special Tasmanian News Service. Railway Auction Produce Sales. Weather information. Hobart Stock Exchange Quotations. Results of Prizes at Westbury Agricultural Show.

EVENING SESSION.

7.30 p.m.—Geo. Nation will speak on:
"Gardening."
7.45 p.m.—Professor Brigden will speak under the auspices of 7ZL and "Mercury" Hospital Wireless Appeal on:
"A Sick Body is the Soul's Prison—Happiness is Added Life."
8 p.m.—G.P.O. Clock chimes the hour.
8.1 p.m.—Fifty Years Ago To-day.
Looking backwards the leaves of an old Almanac yield the following:
Roll of Tasmanian Scholars—Gilchrist Scholars.
1871—Hughes, Edwin A. A., University College, London.
1873—Waterhouse, George Wilson, A.A., Christ's College, Cambridge.
1875—Pike, Charles James, A.A., University College, London.
8.6 p.m.—Classical Gems, by the Discus Ensemble:
Paul Whitman and His Orchestra:
"Tschalkowskiana," Parts 1 and 2 (arr. Herman Hand).
Amelita Galli-Curci, soprano:
"Ah! non credea mirarti"—la Sonnambula (Bellini).
"Come per me sereno"—la Sonnambula (Bellini).
W. H. Squire, 'cello solo:
"Andantino"—Song of the Soul (Lemare).
"Reverie" (Dunkler).
Philadelphia Symphony Orchestra:
"Invitation to the Waltz," Parts 1 and 2 (Weber).
John Bonnee, the Boy Soprano:
"The Creation with Verdure Clad," Parts 1 and 2.
Creator's Band:
"I Pagliacci" Selection, Parts 1 and 2 (Leoncavallo).
Tone Poem, Bruno Walter conducting the Royal Philharmonic Orchestra:
"Don Juan," Parts 1 and 2 (R. Strauss).
Garda Hall, soprano:
"High Upon the Hill" (Sanderson).
"Comin' thro' the Rye" (Traditional).
Harry Dearth, bass:
"Onaway, Awake, Beloved" (Cowen).
"Leanin'" (Sterndale).

AN ALL STRING CONCERT.

— Isaacs, piano:
"Moments Musical."
"Waltz in D Flat."
J. Szigeti, violin:
"Tambourin Chinois."
"Menuet."
Lener String Quartet:
"Quartet in E Minor," Parts 1 and 2.
Piano solo:
"Ballade in A Flat," Parts 1 and 2.
Friez Kreisler, violin:
"Liebesfreud," Parts 1 and 2—Love's Joy (Kreisler).
Cherniackys, violin and piano:

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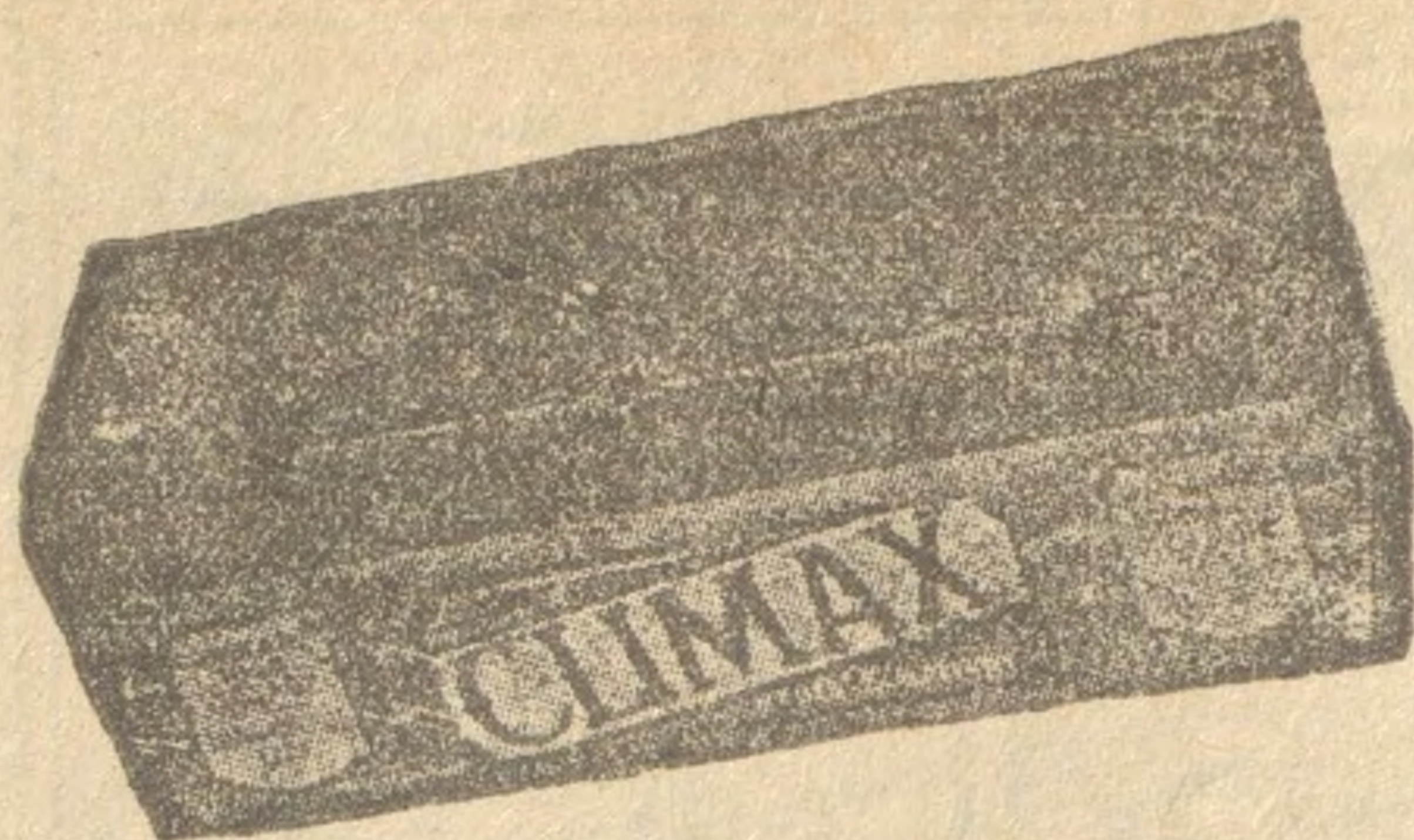
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G. Cassado, 'cello solo:
"Melodie Arabe."
"Le Cygne."
E. Brown, violin:
"Song of India"—Sadko.
"Coq D'or"—Hymn to the Sun.
Cherniavsky Trio:
"Scherzo."
"At the Brook."

NEWS SESSION.

9.50 p.m.—British Official Wireless News.
"Mercury" News Service. Ships within wireless range. Tasmanian District Weather Report. Results of prizes awarded at Westbury Show. Results of Ladies' Golf.
10 p.m.—G.P.O. Clock chimes the hour.
"God Save the King."
Close down.

Thursday, November 8

New South Wales Broadcasting
Company, Limited.

2FC, SERVICE.

EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.
7.5 a.m.—Studio Music.
7.20 a.m.—Country Session: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services, river reports.
7.25 a.m.—Investment market, mining share market, metal quotations.
7.35 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.
7.45 a.m.—"Sydney Morning Herald" summary.
7.50 a.m.—Studio Music.
8 a.m.—"Big Ben." Close down.

MORNING SESSION.

10 a.m.—"Big Ben" and announcements.
10.2 a.m.—Studio Music.
10.10 a.m.—"Sydney Morning Herald" news service.
10.25 a.m.—Studio Music.
10.30 a.m.—Last minute sporting information.
10.40 a.m.—Studio Music.
11 a.m.—"Big Ben."
A.P.A. and Reuter's Cable Services.
11.5 a.m.—Close down.

MIDDAY SESSION.

12 noon—"Big Ben" and announcements.
12.1 p.m.—Stock Exchange, first call.
12.3 p.m.—Official weather forecast, rainfall.
12.5 p.m.—Musical item.
12.10 p.m.—Summary of news: "Sydney Morning Herald."
12.15 p.m.—Rugby Wireless News.
12.18 p.m.—A Reading by A. S. Cochrane: "Dickens."
12.30 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.
1.50 p.m.—A talk by the 2FC Racing Commissioner.
2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

2.30 p.m.—Programme announcements.

2.32 p.m.—Educational Session for the Schools: Subject, A Talk on Animals, interspersed with suitable music.
Note.—During the afternoon (by courtesy of 3LO, Melbourne), a description will be given of the Oakes Stakes and the Linlithgow Stakes at the V.R.C. Spring Meeting, Flemington.

3 p.m.—"Big Ben."
Pianoforte reproduction.
3.15 p.m.—Studio Music.
3.20 p.m.—Kathleen Roe, pianoforte solos:
(a) "Aria and Finale" (Franck).
(b) "Air Tendre" (Lully).
3.33 p.m.—Studio Music.
3.45 p.m.—A Talk.
4 p.m.—"Big Ben."
Thelma Lansdowne, mezzo:
(a) "Three fishers went sailing" (Hallah).
(b) "If I built a world for you" (Lehmann).
4.8 p.m.—Dance Music.
4.18 p.m.—Caruso Dominic, tenor:
(a) "Trusting Eyes."
(b) "Torno o Sorrento" (de Curtis).
4.25 p.m.—Kathleen Roe, pianoforte solos:
(a) "Tamborin" (Rameau).
(b) "Golliwog's Cake Walk" (Debussy).
4.30 p.m.—Thelma Lansdowne, mezzo:
(a) "The Shepherd's Song" (Elgar).
(b) "Tis June" (Landon Ronald).
4.37 p.m.—Pianoforte reproduction.
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" conducts the Children's Session.
Letters and stories.
6.15 p.m.—Music and entertainment.
6.30 p.m.—Dalgety's market reports (wool, wheat and stock).
6.40 p.m.—Fruit and vegetable markets.
6.43 p.m.—Stock Exchange information.
6.45 p.m.—Weather and shipping news.
6.48 p.m.—Rugby wireless news.
6.50 p.m.—Late sporting news.
7 p.m.—"Big Ben." Late news service.
7.10 p.m.—The 2FC Dinner Quartet, conducted by Mr. Horace Keats:
(a) "Faust" (Gounod).
(b) "Serenata Amorosa" (Becci).
(c) "Frivolette" (Ring).
(d) "Les Deux Pigeons" (Messenger).
(e) "The Curtain Falls" (d'Hardelot).
(f) "Intermezzo Irlandais" (Lelgh).

NIGHT SESSION.

7.40 p.m.—Programme announcements.
7.47 p.m.—Studio music.
7.50 p.m.—2FC interviews Gerald Peachell, the newly appointed conductor of the Royal Philharmonic Society.
7.59 p.m.—Foreword to the next item.
8 p.m.—"Big Ben." From the Capitol Theatre. Ted Henkel's Stage Band and Fred Scholl at the Wurlitzer organ.
8.20 p.m.—From the Studio:
Kenneth Hunt, tenor.
8.28 p.m.—Carlton Fay, pianoforte solos:
"An Oriental Suite" (Thurban).
8.38 p.m.—Charles Renton, comedian.
8.46 p.m.—Lionel Lawson, violinist.
8.53 p.m.—Kenneth Hunt, tenor.
9 p.m.—"Big Ben." Late weather forecast.
Carlton Fay, pianoforte solos:
"Old time Idyls" (Sharp).
9.10 p.m.—From the Capitol Theatre:
Stage Presentation.
9.30 p.m.—From the Studio:
Lionel Lawson, violinist.
9.36 p.m.—Charles Renton, comedian.
9.42 p.m.—Radio Eisteddfod:
Vocal Section: Semi-finalists drawn from the vocal section, includes section 7, soprano solo; section 8, mezzo, soprano; section 9, contralto; section 10, tenor; section 11, baritone; section 12, bass; and section 13, duets.
Instrumental Section: Semi-finalists from the instrumental section, include section 16,

champion violin solo; section 17, violin solo, under 16 years; section 18, 'cello solo; section 19, brass or military bands; section 20, B flat cornet solo; section 21, saxophone solo; section 22, dance bands.

Grand Vocal Championship: Semi-finalists in the elocutionary sections: Section 23, radio sketches; section 24, radio plays; section 25, debates; section 26, impromptu announcer.

Australian Compositions: Include entrants under section 31, best original song, section 32, best original pianoforte composition; and section 33, best original violin composition.

10.40 p.m.—From the Hotel Australia:

Cec. Morrison's Dance Band.

10.50 p.m.—From the Studio:

Don James, songs at the piano.

10.58 p.m.—To-morrow's programme and late news.

11 p.m.—"Big Ben." From the Hotel Australia:

Cec. Morrison's Dance Band.

11.10 p.m.—From the Studio:

Don James, songs at the piano.

11.17 p.m.—Cec. Morrison's Dance Band.

11.30 p.m.—National Anthem.

2BL, SERVICE.

THURSDAY, 8th NOVEMBER, 1928.

MORNING SESSION.

8 a.m.—G.P.O. Clock and chimes.

Metropolitan Weather report.

8.1 a.m.—State Weather report.

8.2 a.m.—Studio music.

8.15 a.m.—G.P.O. Clock and chimes.

News from the "Daily Telegraph Pictorial."

8.25 a.m.—Studio music.

8.30 a.m.—G.P.O. Clock and chimes.

Studio music.

8.35 a.m.—Information, Mails, shipping, arrivals, departures and sailings.

8.38 a.m.—News from the "Daily Telegraph Pictorial."

8.45 a.m.—G.P.O. Clock and chimes.

Studio Music.

9.30 a.m.—Half an hour with silent friends.

10 a.m.—G.P.O. Clock and chimes.

Close down.

MIDDAY SESSION.

11 a.m.—G.P.O. Clock and chimes.

Women's Session.

Studio Music.

12 noon.—G.P.O. Clock and chimes.

Special Ocean forecast and weather report.

12.5 p.m.—Studio music.

12.30 p.m.—Shipping and mails.

12.35 p.m.—Market reports.

12.48 p.m.—"Sun" midday news service.

1 p.m.—Studio music.

1.30 p.m.—Talk to children and special entertainment for Children in Hospital.

2 p.m.—G.P.O. Clock and chimes.

Close down.

AFTERNOON SESSION.

3.45 p.m.—G.P.O. Clock and chimes.

Musical programme from the studio.

4 p.m.—Romano's Restaurant Dance Orchestra broadcast from Romano's.

4.10 p.m.—Talk on "Tolerance, self respect and clean living, essential to success" by Mr. Jack Cannot.

4.25 p.m.—Miss Josie Westaway, soprano:

(a) "What a wonderful world it would be" (Lohr).

(b) "Last Night" (Kjerulfs).

4.32 p.m.—"Sun" News service.

4.35 p.m.—Romano's Restaurant Dance Orchestra.

4.45 p.m.—Miss Edna Fenner, elocutionist:

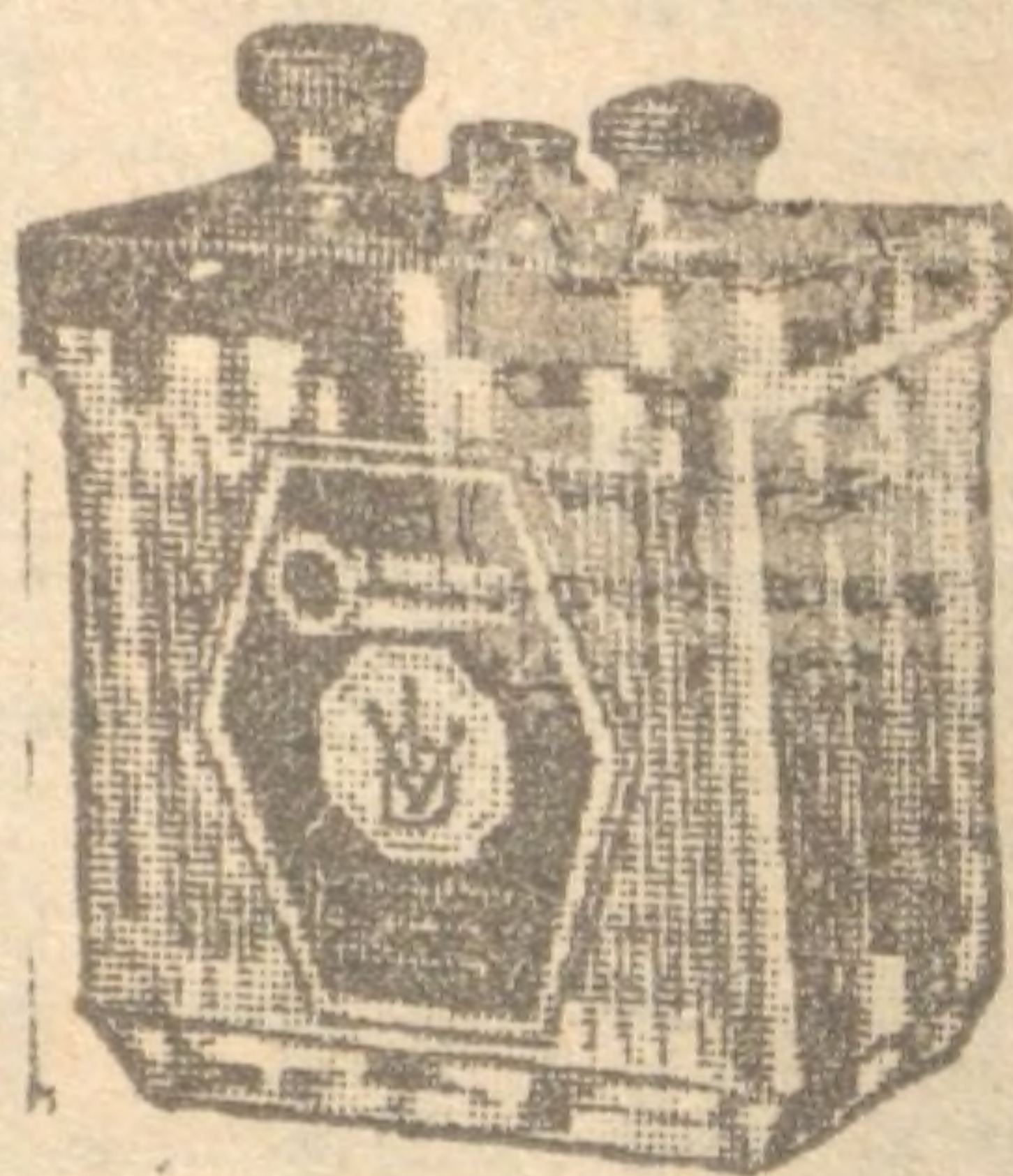
(a) "The Vicar's Recital."

(b) "At the Captain's Table."

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I.V.D., 16/6

There can be no better accumulator for either Amateur or Professional use than the Oldham—made under the famous Oldham Special Activation Process which dates back to the days when Oldham chemists evolved the miners' Oldham Electric Lamp. This lamp resisted sulphation and held its full charge throughout the shift.

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MELBOURNE. SYDNEY.

- 4.52 p.m.—Miss Josie Westaway:
"Sylvelin" (Singing).
4.55 p.m.—Romano's Restaurant Dance Orches-
tra.
5 p.m.—Miss Edna Fenner:
Characteristic Comments (Wedding Whis-
pers) Newman.
5.7 p.m.—Miss Josie Westaway:
"I Think" (D'Hardelot).
5.10 p.m.—Radio Eisteddfod: Semi-finalists in
the Radio Eisteddfod will be heard, drawn
from the various sections including vocal, in-
strumental and humorous items.
5.38 p.m.—Features of Evening's programme.

EARLY EVENING SESSION.

- 5.40 p.m.—Children's Music and entertainment.
6 p.m.—Children's letters and stories.
6.30 p.m.—"Sun" news late sporting.
6.40 p.m.—2BL Dinner Quartette:
(a) "Cafe Chantant" (Fletcher).
(b) Suite, "Intermezzi" (Rossi).
(c) "Vision Orientale" (Bece).
(d) "The Daughter of the Regiment" (Doni-
zetti).
(e) "The Cobbler" (Lohr).
(f) "An Eastern Romance" (Haines).
7.10 p.m.—Australian Mercantile Land and
Finance Co.'s report.
Weather report and forecast by courtesy of
Govt. Meteorologist.
Produce Distributing Society's Fruit and
Vegetable Market report.
Grain and Fodder report ("Sun").
Dairy Produce report ("Sun").
Weekly Traffic Bulletin.
7.25 p.m.—Pim and Pam in advertising talks
and nonsense.
7.55 p.m.—Programme and other announce-
ments.

EVENING SESSION.

- 8 p.m.—G.P.O. Clock and chimes.
The New South Wales broadcasting Com-
pany's Orchestra conducted by Mr. Willie
Redstone.
8.15 p.m.—Jack Barnett and Dorothy Dewar,
entertainers.
8.35 p.m.—Mr. Warwick McKenzie, violinist:
"Rondo" from "Concerto" (De Beriot).
8.42 p.m.—Comedy talk followed by excerpts
from comic opera played upon the piano for
musical competition—Miss Vinia De Loitte.
8.57 p.m.—Miss Grace Saville, contralto:
(a) "Down in the Forest" (Landon Ronald).
(b) "Coming home" (Willeby).
9.4 p.m.—Weather report and forecast by
courtesy of Govt. Meteorologist.
9.5 p.m.—The New South Wales Broadcasting
Company's Orchestra.
5.20 p.m.—Mr. Charles Lawrence (entertainer
at the piano):
(a) "The Gardener's Story."
(b) "Sally."
9.30 p.m.—Mr. Warwick McKenzie:
(a) "Feu Follet" (Papini).
(b) "At Dawning" (Cadman).
9.37 p.m.—Song Recital by Mr. Clifford Lath-
lean, bass:
(a) "Leave me loathsome night" (Handel).
(b) "More sweet is that name." (Handel).
(c) "The arrow and the song" (Old English).
(d) "The Two Grenadiers" (Schumann).
9.52 p.m.—The New South Wales Broadcasting
Company's Orchestra.
10.2 p.m.—Mr. Charles Lawrence:
(a) "Stutterance."
(b) "Rupert the Ruthless."
10.12 p.m.—Miss Grace Saville:
(a) "None but the weary heart" (Tchaikow-
sky).
(b) "Summer Rain" (Willeby).
10.19 p.m.—The New South Wales Broadcast-
ing Company's Orchestra.
10.28 p.m.—Resume of following day's pro-
gramme.
10.30 p.m.—National Anthem.

2GB, SYDNEY

THURSDAY, 8th NOVEMBER, 1928.

MORNING SESSION.

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

AFTERNOON SESSION.

- 2 p.m.—Music.
2.5 p.m.—Talk by Mrs. Jordan.
Women's Radio Service.
2.30 p.m.—Music.
2.45 p.m.—Talk.
3 p.m.—Close down.
5.30 p.m.—Children's Session by Uncle George.
7 p.m.—Stock and Market reports by New
Zealand Loan and Mercantile Agency Ltd.
7.15 p.m.—Music.
8 p.m.—The Mayo Hunter Duo.
8.10 p.m.—Songs by Miss Veda Nelson.
8.17 p.m.—Announcements.
8.22 p.m.—Violin Solos by Mr. Cecil Berry.
8.30 p.m.—Songs by Mr. Breffin Rorke.
8.37 p.m.—Pianoforte solos by Miss Ada Brook.
8.45 p.m.—Address by Professor E. Wood.
9 p.m.—Weather report.
9.2 p.m.—The Mayo Hunter Duo.
9.10 p.m.—Mr. Jack Win, and Miss Nora
Windle.
9.20 p.m.—Songs by Miss Veda Nelson.
9.27 p.m.—Resume of programme.
9.32 p.m.—Violin solos by Mr. Cecil Berry.
9.40 p.m.—Songs by Mr. Breffin Rorke.
9.47 p.m.—Mr. Jack Win, and Miss Nora
Windle.
10 p.m.—Close down.

3LO, MELBOURNE.

THURSDAY, 8th NOVEMBER, 1928.

EARLY MORNING SESSION.

- 7.15 a.m.—Morning melodies.
7.20 a.m.—Morning exercises to music.
7.30 a.m.—Stock reports. Market reports.
General news. Shipping. Sporting infor-
mation.
8 a.m.—Time signal. Express train informa-
tion.
8.1 a.m.—Morning melodies.
8.15 a.m.—Close down.
10.50 a.m.—ERIC WELCH will speak on to-
day's races at Flemington.

MORNING SESSION.

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

RECIPE.

SHORTBREAD BISCUITS.

- $\frac{1}{2}$ lb. flour.
 $\frac{1}{4}$ lb. butter.
3oz. sugar.
Pinch of salt.
1 yolk of egg.
1 tablespoon cream or milk.
Sift flour and salt, rub in butter, add
sugar, mix in yolk of egg and cream.
Turn on to pastry board, knead till smooth,
roll out $\frac{1}{4}$ inch thick and cut into fancy
shapes. Put on a greased oven tray and
bake in moderate oven 15 to 20 minutes.
(Decorate with almond comfits, etc., before
baking.)
11.5 a.m.—MRS. DOROTHY SILK:
"Homecrafts."
11.20 a.m.—Musical interlude.

- 11.25 a.m.—SISTER PURCELL will speak on:
"Infant Welfare."
11.40 a.m.—Musical interlude.
11.45 a.m.—MRS. HENRIETTA C. WALKER
—"The Art of Being a Settler—Profitable Hobbies—Ducks."

MIDDAY SESSION.

- 12 noon.—Melbourne Observatory time signal.
12.1 p.m.—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.
12.15 p.m.—Newmarket stock sales. Special report by Macnamara and Co.
12.20 p.m.—COMMUNITY SINGING—OLD-TIME CHORUSES—transmitted from the Assembly Hall, Collins Street, Melbourne. CONDUCTOR: FRANK HATHERLEY. Soloist: MINNIE WAUGH, soprano:
"Believe Me If All" (Moore).
"The Harp That Once."
12.57 p.m.—Description of November Hurdle Race, 3 miles. V.R.C. races, at Flemington, by Eric Welch.
1.7 p.m.—Community singing.
1.36 p.m.—Description of Byron Moore Stakes, 6 furlongs, V.R.C. races, at Flemington, by Eric Welch.
1.46 p.m.—Stock Exchange information. Meteorological information. Weather forecast for Victoria, Tasmania, New South Wales, South Australia. Ocean forecasts. River reports.
1.55 p.m.—Close down.

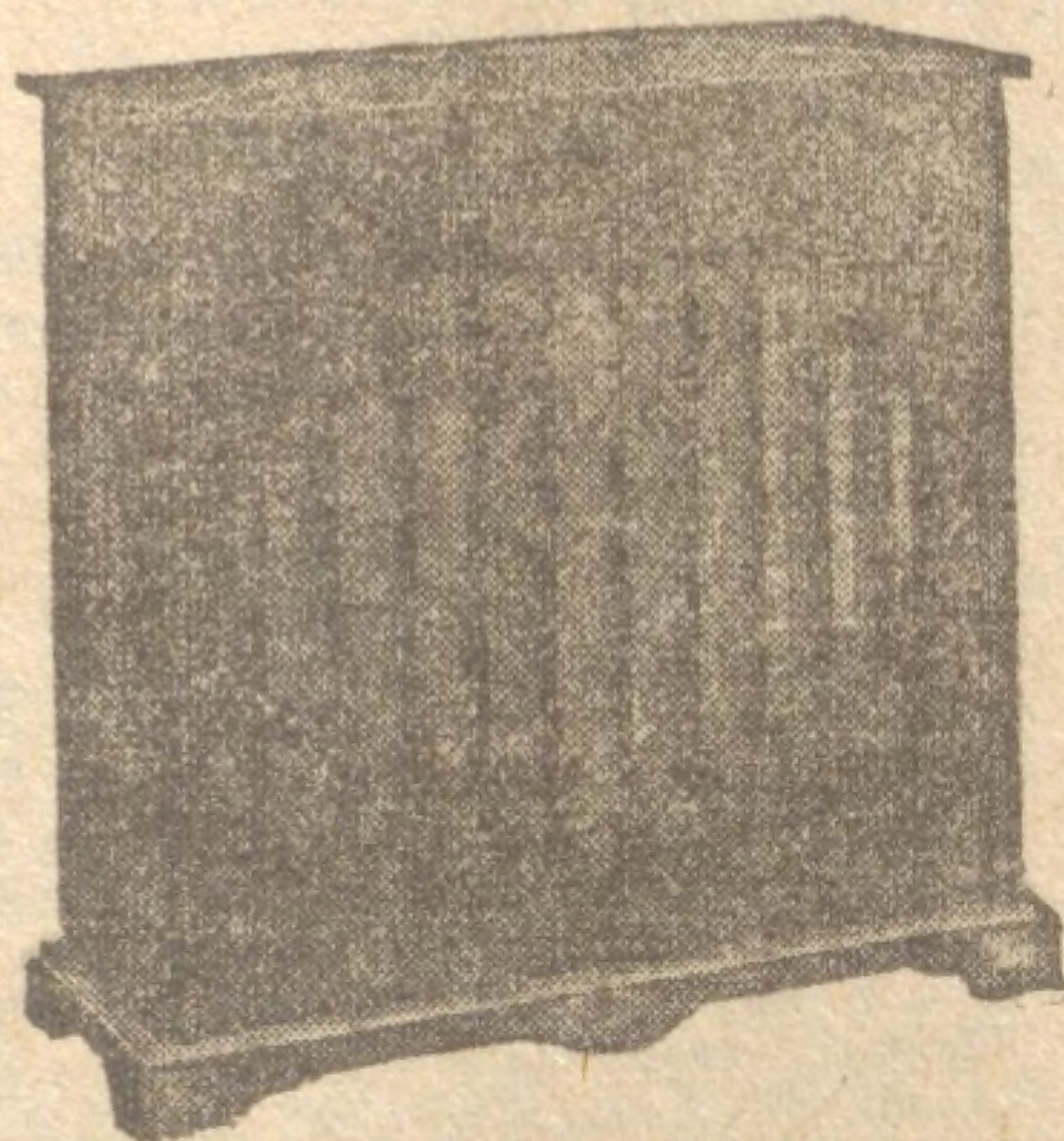
AFTERNOON SESSION.

- 2.15 p.m.—THE IMPERIAL RUSSIAN TRIO (Arved Norit, violin; John Berzinsky, 'cello; William Ibster, piano):
"Trio B Flat" (Beethoven).
Andante Cantabile.
Allegro Moderato.
Presto.
2.30 p.m.—CHAS. ULIVI, baritone:
Selected.
2.37 p.m.—Description of the Linlithgow Stakes, one mile, V.R.C. races, at Flemington.
2.47 p.m.—MILLIE McCORMACK, mezzo-soprano:
"The Blackbird's Song" (Scott).
"Keep on Hopin'" (Maxwell).
2.54 p.m.—THE STATION ORCHESTRA:
"Rondo Capriccioso" (Mendelssohn).
2.58 p.m.—DR. LOFTUS HILLS will speak on:
"Topics of the Week."
3.13 p.m.—REV. WM. BOTTOMLEY will speak on:
"The Power of a Lie," by Johan Bojer.
3.27 p.m.—Description of Carnival Handicap, 1½ miles, V.R.C. races, at Flemington.
3.37 p.m.—MILLIE McCORMICK, mezzo-soprano:
"The Birds Go North Again" (Willeby).
"To a Miniature" (Brahe).
3.44 p.m.—THE STATION ORCHESTRA:
"Andante from Fifth Symphony" (Tchaikowsky).
3.52 p.m.—VICTOR BAXTER, tenor:
"Come to the Fair" (Martin).
"Fairings" (Martin).
4 p.m.—THE STATION ORCHESTRA:
"Terpsichorean" (Godowsky).
"Serenade" (Elgar).
4.10 p.m.—CHAS. ULIVI, baritone:
Selected.
4.17 p.m.—Description of the Oaks Stakes, 1½ miles, V.R.C. Races at Flemington.
4.27 p.m.—VICTOR BAXTER, tenor:
"Daffodils from My Garden" (Boanas).
"I Hear a Thrush at Eve" (Cadman).

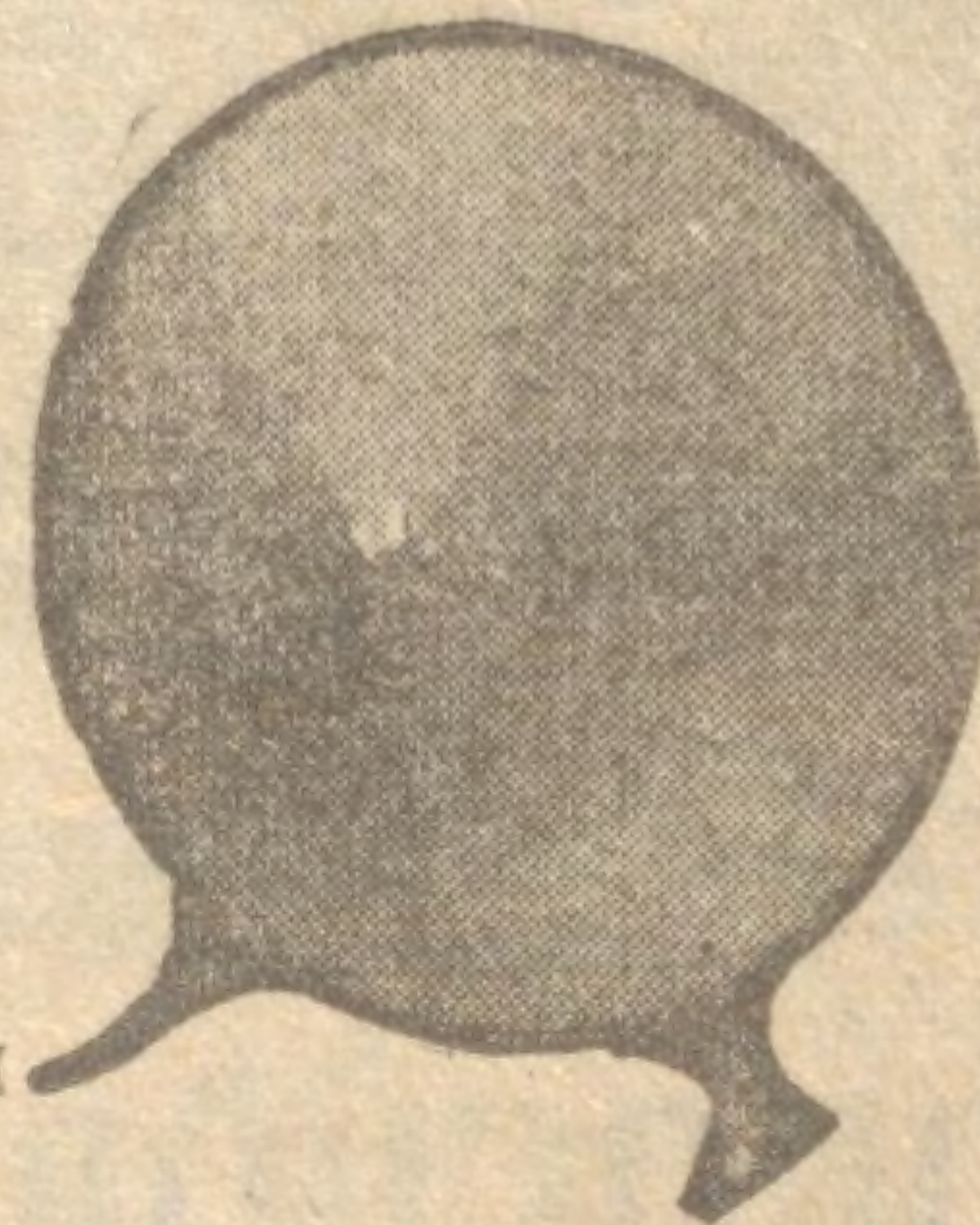
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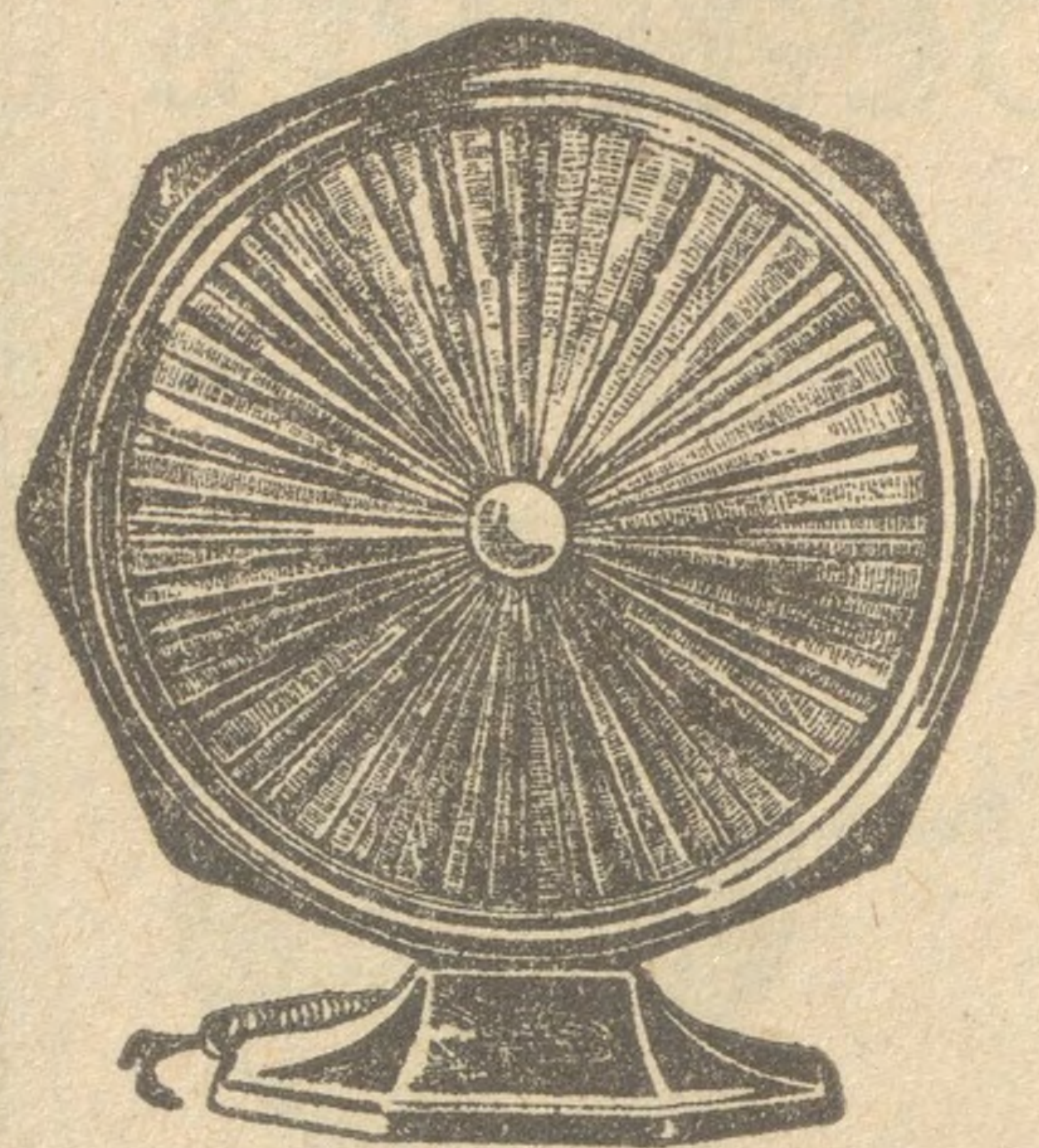
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true—



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J 28 Junior £4 : 0 : 0
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& Co. Ltd.

279 Clarence Street :: SYDNEY

Branches in All States.

- 4.32 p.m.—“Herald” news service. Stock Exchange information.
4.45 p.m.—EVENSONG, transmitted from St. Paul's Cathedral, Melbourne.
5.30 p.m.—Result of Veteran Stakes, run at 5 p.m., V.R.C. Races, at Flemington.
5.35 p.m.—Close down.

EVENING SESSION.

CHILDREN'S HOUR.

- 6 p.m.—Answers to letters and birthday greetings by “Bobby Bluegum.”
6.25 p.m.—Musical interlude.
6.30 p.m.—“BOBBY BLUEGUM” will journey with the children again to lands of queer customs and queerer clothes.
6.45 p.m.—“BOBBY BLUEGUM” has some songs to sing—for you and with you.

NIGHT SESSION.

- 7.5 p.m.—Stock Exchange information.
7.15 p.m.—Special reports by John McNamara and Co. Pig market report by McPhail, Anderson and Co. Official report of the Newmarket stock sales by the Associated Stock and Station Agents, Bourke Street, Melbourne. Weather synopsis. Fish market reports by J. R. Borrett, Ltd. Rabbit prices. River reports. Market reports by the Victorian Producers' Co-operative Co., Ltd. Poultry, grain, hay, straw, 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.
7.30 p.m.—News session. Results of V.R.C. Races at Flemington: Oaks Day.
7.43 p.m.—Birthday greetings.
7.45 p.m.—OUT OF THE PAST.
7.46 p.m.—MISS MURIEL STARR will speak from her dressingroom at the King's Theatre (by permission J. C. Williamson, Ltd.).
8 p.m.—A MAKER OF HISTORY.

PROGRAMME ANNOUNCEMENTS.

- 8.1 p.m.—ROD MCGREGOR will speak on: “Cricket.”
8.15 p.m.—THE RADI-O-ACES:
“On the Air” (Goldman).
“Chloe” (Moret).
“I'm Wingin' Home” (Donaldson).
8.24 p.m.—ARCHIE AND WATTIE:
Patter specialists.
8.27 p.m.—THE RADI-O-ACES:
“Wabaly Walk” (Green).
“If You Want to Please a Portuguese” (Butter).
“The Desert Song” (Romberg).
8.36 p.m.—MINNIE WAUGH, soprano:
“Wake Up” (Phillips).
8.39 p.m.—THE RADI-O-ACES:
“One Alone” (Romberg).
“Alabama Stamp” (Creamer).
“Anything You Say” (Donaldson).
8.48 p.m.—FRENCH BROS., banjoists:
“Memories o' Home” (Walker).
8.51 p.m.—THE RADI-O-ACES:
“In a Bamboo Garden” (Donaldson).
“Get Out and Get Under the Moon” (Tobias).
“That's My Weakness Now” (Stept).
9 p.m.—TOM SEMPLE, tenor:
“To My First Love” (Lohr).
“You'd Better Ask Me” (Lohr).
9.3 p.m.—THE RADI-O-ACES:
“Lolita” (Stonham).
“My Melancholy Baby” (Norton).
“Ice Cream” (Johnson).
9.12 p.m.—ARCHIE AND WATTIE:
Patter specialists.
9.15 p.m.—THE RADI-O-ACES:
“Is It Gonna Be Long?” (Whiting).
“Linger Longer Lane” (Laurence).
“Borneo” (Donaldson).
9.24 p.m.—MINNIE WAUGH, soprano:
“The Swallows” (Cowen).

- 9.27 p.m.—THE RADI-O-ACES:
“After My Laughter Came Tears” (Shay).
“Beautiful” (Gillespie).
“Henry's Made a Lady Out of Lizzie” (O'Keefe).
9.36 p.m.—FRENCH BROS., banjoists:
“Believing” (Johnson).
9.39 p.m.—THE RADI-O-ACES:
“Pardon the Glove” (Quicksell).
“Gotta Big Date with a Little Girl” (Tobias).
“Was It a Dream?” (Boutt).
9.48 p.m.—TOM SEMPLE, tenor:
“Here's to Love” (Rubens).
9.51 p.m.—THE RADI-O-ACES:
“The Man I Love” (Gershwin).
“Lonesome in the Moonlight” (Russell).
“Mine, All Mine” (Ruby).
10 p.m.—ARCHIE AND WATTIE:
Patter specialists.
10.3 p.m.—“Argus” news service. British official wireless news from Rugby. Meteorological information. Sporting notes, by “Olympus.” Announcements. Acceptances and barrier position for Steeplechase Day at Flemington, Saturday, 10th November.
10.18 p.m.—THE RADI-O-ACES:
“Rain” (Ruby).
“Sunshine” (Berlin).
“There Ought to be a Law Against That” (Friend).
10.27 p.m.—MINNIE WAUGH, soprano:
“Thy Blue Eyes” (Lassen).
10.30 p.m.—THE RADI-O-ACES:
“Hot Ivories” (Sinastra).
“Chiquita” (Wayne).
“Just Like a Melody Out of the Sky” (Donaldson).
10.39 p.m.—FRENCH BROS., banjoists:
“Dream House” (Callan).
10.41 p.m.—THE RADI-O-ACES:
“Hallelujah” (Youmans).
“Evening Star” (Fink).
“Afraid” (Barnie).
10.50 p.m.—TOM SEMPLE, tenor:
“O, Flower of all the World” (Finden).
10.53 p.m.—THE RADI-O-ACES:
“Someone is Losin' Susan” (Meyer).
“Mary Ann” (Davis).
“Beside a Lazy Stream” (Stept).
11 p.m.—OUR GREAT THOUGHT.
11.1 p.m.—THE RADI-O-ACES:
11.40 p.m.—God Save the King.

3AR, MELBOURNE.

THURSDAY, 8th NOVEMBER, 1928.

MORNING NEWS SESSION.

- 10 a.m.—G.P.O. Clock says “Ten.”
10.1 a.m.—“Age” Stock Exchange reports. London Metal Market.
10.10 a.m.—“Age” Market Reports: farm and station produce, fruit, fish, vegetables, etc.
10.25 a.m.—“Age” shipping reports. Ocean forecast.
10.30 a.m.—Mail notices. Express train information.
10.35 a.m.—“Age” news service, exclusive to 3AR.
10.59 a.m.—Weather forecast.

MORNING MUSICAL SESSION.

- 11 a.m.—Radi-O-Aces:
“Happy Go Lucky Lane” (Lewis).
“Starlight and Tulips” (Nausbaum).
“Stampede” (Henderson).
11.15 a.m.—Tom Semple, tenor:
“Thou Art So Like a Flower” (Schumann).
“Two Brown Eyes” (Grieg).
11.22 a.m.—Radi-O-Aces:
“Can't You Hear Me Say I Love You?” (Brown).
“I Told Them All About You” (Yellen).
“Without You, Sweetheart” (de Silva).
11.32 a.m.—Vera Thomson, soprano:
“Ave Maria” (Cherubini).
“Gentle Shepherd” (Pergolesi).

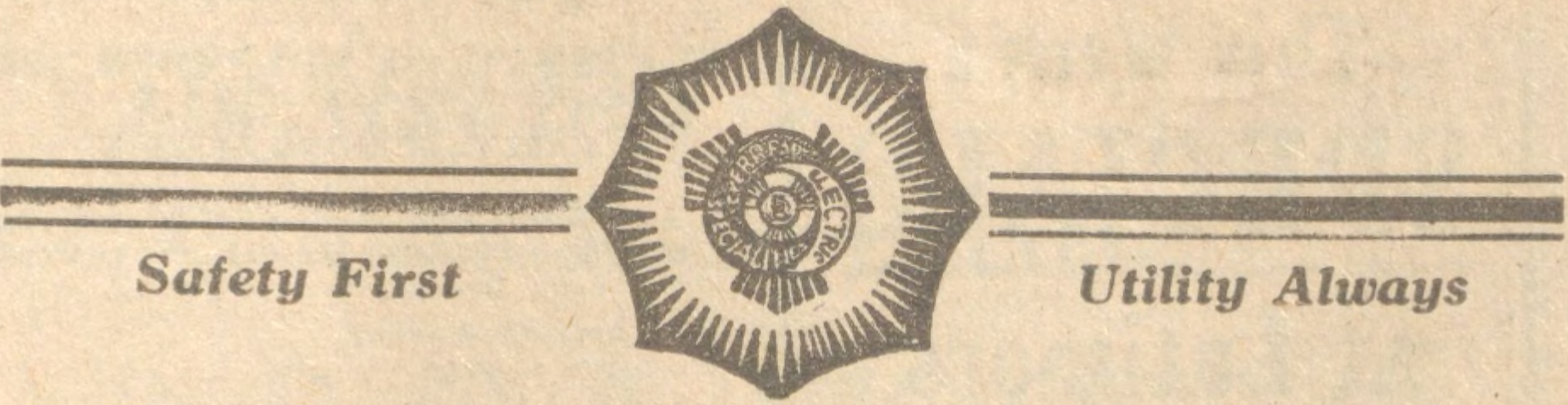
11.39 a.m.—Radi-O-Aces:
"Lolita" (Stoneham).
"After My Laughter Came Tears" (Tobias).
"Beautiful" (Sharp).
11.54 a.m.—Archie and Wattie:
Froth and Frivolity.
12.1 p.m.—Radio-O-Aces:
"That's My Mammy" (Donaldson).
"Honeymoon Cottage" (Lumsdaine).
"Together" (Brown).
12.16 p.m.—Tom Semple, tenor:
"The Crown of the Year" (Easthope Martin).
"I'll Sing Thee Songs of Araby" (Clay).
12.23 p.m.—British official wireless.
Announcements.
12.33 p.m.—Radi-O-Aces:
"Mary Ann" (Davis).
"The Riff Song" (Romberg).
"Chinatown" (Yvain).
12.48 p.m.—Vera Thomson, soprano:
"Del mio Dolce" (Gluck).
"The Joy of a Rose" (Tarbox).
12.55 p.m.—Radi-O-Aces:
"What was I to Do?" (Reid).
"Next to You I Like Me Next to You" (Bito).
"Shake it Down" (Williams).
1.10 p.m.—Archie and Wattie:
Cheery Chuckles.
1.17 p.m.—Radi-O-Aces:
"Lonely Acres" (Robinson).
"Anything You Say" (Donaldson).
"In a Bamboo Garden" (Donaldson).
1.30 p.m.—Close down.

EVENING SESSION.

5 p.m.—A Recital of the World's Masters, both past and present.

NIGHT SESSION.

8 p.m.—H. A. Brown, gardening chat.
8.15 p.m.—Under the auspices of the Life Saving Society:
A. T. Newey, "Life Saving."
8.30 p.m.—Station Orchestra:
"Reminiscences of Greig."
8.45 p.m.—Charles Ulivi, baritone, late of J. C. Williamson, Ltd., Operatic Co.:
Selected.
8.52 p.m.—Station Orchestra:
Overture: "Leonore" (Beethoven).
9.2 p.m.—Jessie Irwin, soprano:
"Villanelle" (Del 'Acqua).
"The Robin Song" (White).
9.10 p.m.—The Victorian Railways Institute Dramatic Society will present "Bread," by Professor Eastman, produced by Miss Winifred Moverley.
Characters: John Curtis (a farmer), A. J. Watkins; Martha Curtis (his wife), Kathleen B. Metcalf; Grandma (his mother), Marjorie Young; Stella (his blind daughter), Kara Harkness; Betty (another daughter), Doris Little; Jim (his son), Stanley Jones.
9.39 p.m.—The Radio Merrymakers:
Miscellaneous mirth and melody.
9.55 p.m.—Imperial Russian Trio: Arvid Norit, violin; John Berzinsky, 'cello; William Ibster, piano.
'Cello, "Allegretto" (Bocherini).
"Thema con Variazioni" (Tartini-Kreisler).
"Two in D Major—Presto" (Beethoven).
10.10 p.m.—Charles Ulivi, baritone:
Selected.
10.17 p.m.—Station Orchestra:
"Rondo Capriccioso" (Mendelssohn).
"Chant d'Automne" (Tschaiikowsky).
10.32 p.m.—Jessie Irwin, soprano:
"The Waltz Song" (German).
"Rosebuds" (Arditi).
10.39 p.m.—Station Orchestra:
Overture, "Fingals Cave."
10.50 p.m.—"Age" news service, exclusive to 3AR.
10.55 p.m.—Acceptances for Saturday's races.
10.58 p.m.—Weather forecast.
11 p.m.—God Save the King.



Let your choice be an "Ever-Ready." Warranted to give service NOT EXCELLED by any other make of battery of equal size and capacity.



"EVER-READY"
Radio "B" Batteries

Type	W.P.	31½	Volt	-	-	9/6
"	"	42½	"	-	-	12/6
"	"	63	"	-	-	18/-
"	H.D.	45	"	-	-	20/-
"	S.S.	45	"	-	-	24/6
"	X.P.	60	"	-	-	31/6

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No. 126 Bias or "C"
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Standard Cell 1½ Volt, 3/-
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This Week's SPECIALS at Latimers

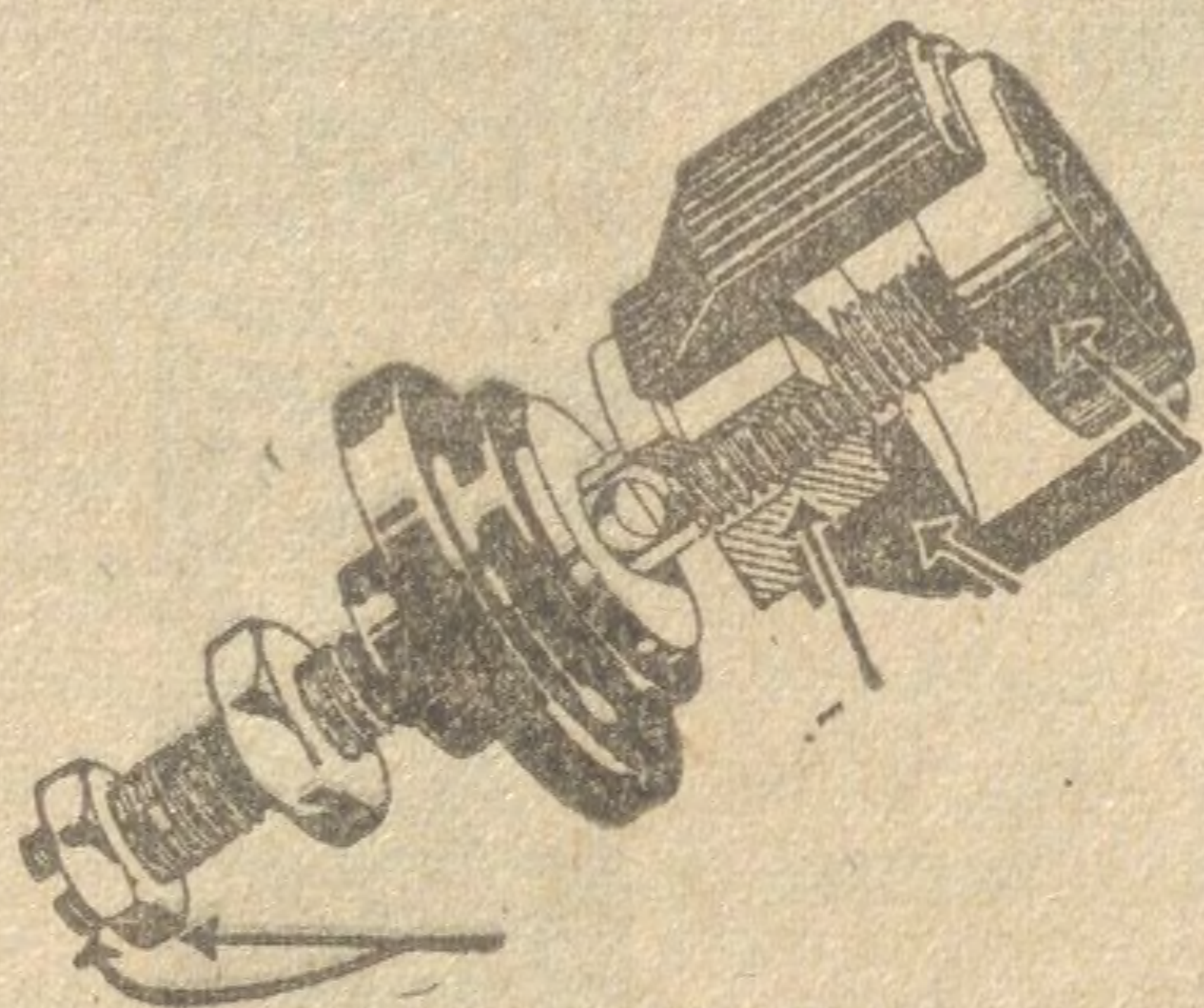
Compact Condensers, all capacities, 5/11	
Pep Punch Transformers	8/5
Midget Transformers	9/6
Cosmos 2-Volt General Purpose	
Valves	1/11
Philips Valves, 6-Volt	3/11
Philips Valves, 4-Volt	5/6
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Chargers	70/-
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13 MFD.	27/6

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Patent applied for.

Belling-Lee terminals are the finishing touch to any receiver. They are a perfect combination of Beautiful Finish and First Class workmanship. Bakelite insulated, and made in 20 different engravings.

PRICES:

Type "B."—Standard Large Insulated Model (Polished black bakelite), 1/- ea.
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Type "R."—Cheap Model, with rotating name 6d. each

Factory Representative for Australia—
W. G. WATSON & CO., LTD.,
279 Clarence Street,
Sydney.
And All States.

BELLING-LEE TERMINALS

4QG, BRISBANE.

THURSDAY, 8th NOVEMBER, 1928.

EARLY MORNING SESSION.

8 a.m.—From the Studio: This morning's news by courtesy of the Brisbane metropolitan daily newspapers.

8.30 a.m.—Close down.

MORNING SESSION.

11 a.m. to 12 noon.

MIDDAY SESSION.

1 p.m.—Market reports and weather information.

1.15 p.m.—From the Constitutional Club: A lunch hour address.

1.58 p.m.—From the Brisbane Observatory: Time signals.

2 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—From the Studio: A programme of electrically reproduced records.

3.30 p.m.—Mail train running times.

4.15 p.m.—This afternoon's news.

4.30 p.m.—Close down.

EARLY EVENING SESSION.

6 p.m.—From the Studio: Mail train running times; mail information; shipping news.

6.5 p.m.—From the Paris Cafe: Dinner music.

6.25 p.m.—From the Studio: Commercial announcements.

THE CHILDREN'S HOUR.

6.30 p.m.—Bedtime stories conducted by "The Sandman."
Late commercial news.

7 p.m.—News in brief.

7.5 p.m.—Stock Exchange news.

7.6 p.m.—Metal quotations.

7.7 p.m.—Market reports.

7.25 p.m.—Fenwick's stock report.

7.30 p.m.—Weather information.

7.40 p.m.—Announcements.

7.43 p.m.—Standard time signals.

7.45 p.m.—Lecturette: Poultry talk, Mr. P. Rumball (poultry instructor).

NIGHT SESSION.

"Tangles"—A Matrimonial Medley.

4QG will present to-night a musical comedy—"Tangles"—written and produced by Queensland residents.

Libretto, Lyrics and Music by Robt. E. O'Connor, F. C. C. Francis and Walter J. Buckley.

The Cast (in order of appearance):

Sir Toby Carstairs (friend of Sir John Touchstone), T. L. Muller.

Thomas (his butler), T. Ryan.

Sir John Touchstone (anxious to become a plaintiff), Dick Pike.

Marmion Courtney, A. N. Falk.

Three Bazaar Girls, from the Chorus.

Ruby Carstairs (Sir Toby's daughter), Mrs. Robt. Bell.

Mr. Kyle (Sir John's lawyer), T. Ryan.

Elizabeth Kyle (his daughter), Ivy Rogers.

Molly de Veux (a theatrical star), Lottie E. Richter.

Arthur Touchstone (Sir John's Son), Ray Bruce.

James (Sir John's butler), Leo Guyatt.

Sir Percy Ancaster, F. C. C. Francis.

Mr. Hooker (a lawyer), C. R. Kolb.

Lady Touchstone, Lottie Richter.

Synopsis:

Act I.

Scene 1: A garden at the town house of Sir Toby Carstairs; a fancy dress garden party is in progress.

Scene 2: The same place later in the evening.

Scene 3: A ferny arbor—in the same garden—aptly named "The Rendezvous."

Act II.

Scene 1: Drawing-room at Sir John Touchstone's London House.

Scene 2: The same as scene 1, but at night. A carnival party is in progress.

Scene 3: The same place—an hour after everyone has retired.

Scene 4: Some days later. The same place.

Act III.

Scene 1: A room in Sir John Touchstone's London House some weeks later. Time: midnight.

Musical numbers played by the Studio Instrumental Quartette (conductor, Mr. Fred Smith).

10 p.m.—Late news. Weather news. Close down.

7ZL, HOBART

THURSDAY, 8th NOVEMBER, 1928.

MIDDAY SESSION.

11.30 a.m.—M'elie Columbia Broadcasts.

11.34 a.m.—Special Midlands Weather Forecast.

11.35 a.m.—M'elie Columbia Broadcasts.

11.55 a.m.—Tasmanian Stations 9 a.m. Weather Report.

12 noon.—G.P.O. Clock chimes the hour.

12.1 p.m.—Shipping information. Ships within Wireless Range. Mail Notices. Commercial News. Housewives' Guide.

12.8 p.m.—M'elie Columbia Broadcasts.

12.11 p.m.—British Official Wireless News.

12.20 p.m.—Announcements.

12.33 p.m.—M'elie Columbia Broadcasts.

12.45 p.m.—"Mercury" News Service. Produce Sales held at Railway.

1 p.m.—Running description of November Hurdle Race, 3 miles, V.R.C. Races, Flemington, Victoria.

1.5 p.m.—M'elie Columbia Broadcasts.

1.30 p.m.—Close down.

1.40 p.m.—Running description of Byron Moore Stakes, 6 furlongs, V.R. Races, Flemington, Victoria.

1.45 p.m.—Close down.

2.40 p.m.—Running description of Linlithgow Stakes, 1 mile, V.R.C. Races, Flemington, Victoria.

2.45 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Clock chimes the hour.

3.1 p.m.—M'elie Columbia Broadcasts.

3.5 p.m.—Weather information.

3.6 p.m.—M'elie Columbia Broadcasts.

3.30 p.m.—Running description of Carnival Handicap, 1 mile and a quarter, V.R.C. Races, Flemington, Victoria.

3.35 p.m.—M'elie Columbia Broadcasts.

4.5 p.m.—Child Welfare.

A Talk by a Representative of the Child Welfare Association: "Baby on Warmer Days."

4.20 p.m.—Running description of Oaks Stakes, 1 mile and a half, V.R.C. Races, Flemington, Victoria.

4.25 p.m.—M'elie Columbia Broadcasts.

4.30 p.m.—Close down.

5 p.m.—Running description of Veteran Stakes, 1 mile and a half, V.R.C. Races, Flemington, Victoria.
5.5 p.m.—Close down.

EARLY EVENING SESSION.

6.15 p.m.—M'elie Columbia Broadcasts.
6.45 p.m.—A Story told by the "Storey Lady"; "Bancis and Philemon."
7 p.m.—A Musical Novelty for the Children: Mr. Malone, of New Town, lent us a Musical Box. We thought you would like to hear it:
"I should rather like to try," from "A Greek Slave" (Sidney Jones).
"I'm a naughty girl," from "A Greek Slave" (Sidney Jones).
"Neapolitan Song," from "Funiculi Funicula" (Sidney Jones).
"Mendelssohn's Wedding March" (Sidney Jones).
"The Phantoms Dance," from "Dinorah" (Meyerbeer).
7.5 p.m.—Answers to Letters and Birthday Greetings.
7.10 p.m.—M'elie Columbia Broadcasts.
7.15 p.m.—"Mercury" special Tasmanian Service. Railway Auction Produce Sales. Weather information. Hobart Stock Exchange Quotation.

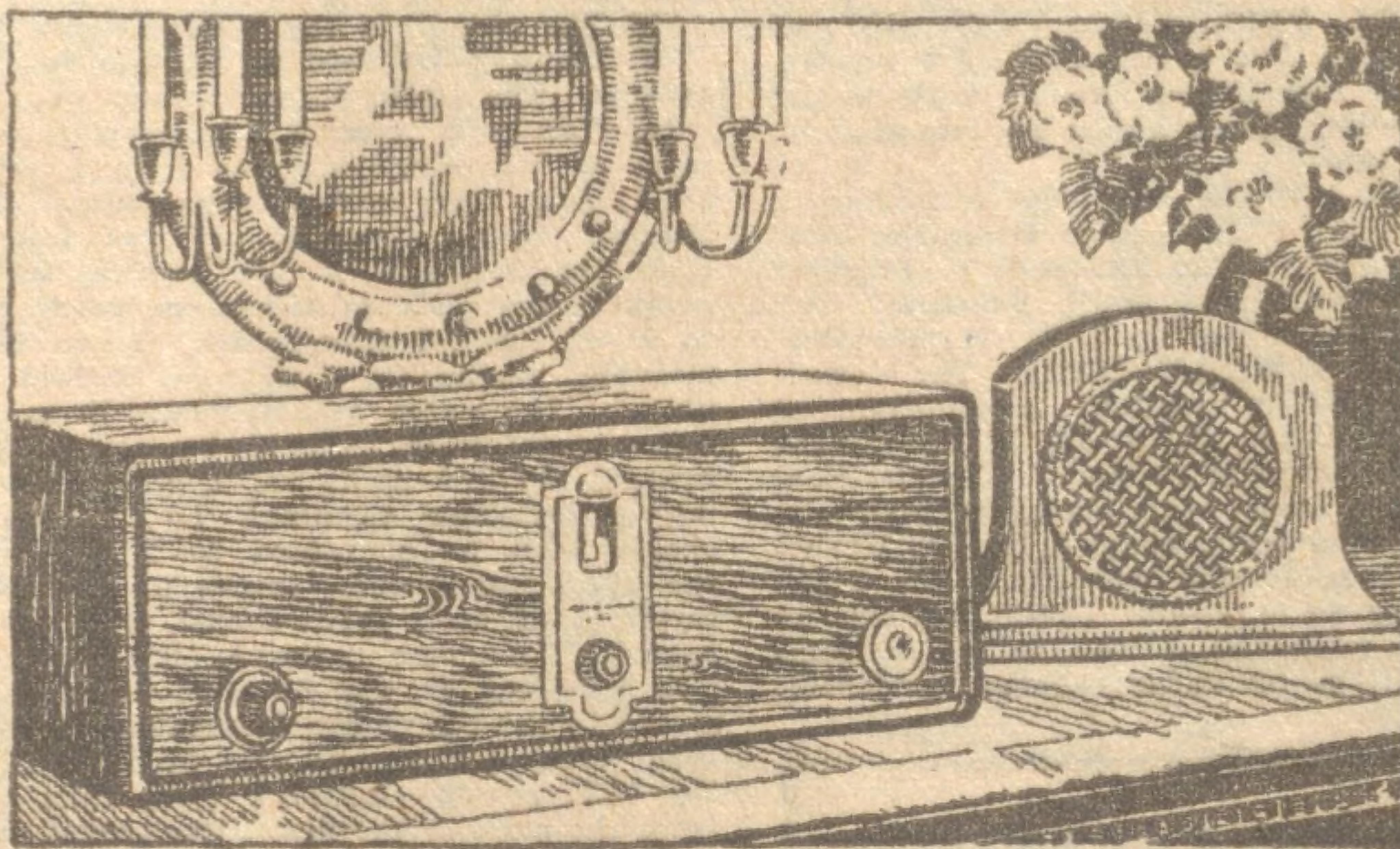
EVENING SESSION.

7.30 p.m.—Under the auspices of the "Comde to Tasmania" Association, Mr. Wase will speak on:
"Tennis."
7.45 p.m.—G. P. Harvey will speak under the auspices of the 72L and "Mercury" Hospital Appeal for Wireless Equipment for the General Hospital, Hobart:
"Bright Moments for the Sick."
8 p.m.—G.P.O. Clock chimes the hour.
8.1 p.m.—Fifty Years Ago.
"Once in the flight of ages past
There lived a man and who was he?"
—"James Montgomery."
8.2 p.m.—M'elie Columbia Broadcasts.
8.6 p.m.—Community Singing—from the Studio:
All: "Moonlight and Roses" (Allan's Community Song Book).
Ed. Brooker, Aeola: "Serenade" (Braga).
All: "Mother Macree" (Allan's Community Song Book).
Ed. Bailey, baritone: "There's a Land" (Allitsen).
All: "Sally Horner" (Allan's Community Song Book).
Ed. Brooker, Aeola solo: "I hear you calling me" (Clay).
All: "Silver Threads among the Gold" (Allan's Community Song Book).
Ed. Bailey, baritone: "Salaam" (Lang).
All: "Ye Banks and Braes" (Allan's Community Song Book).
Ed. Brooker, Aeola solo: "Lest than the Dust" (Finden).
All: "Just a Bird's-Eye View" (Allan's Community Song Book).
FROM THE FROZEN SOUTH.
Re-broadcast of Concert and Talk on the flight of Sir George Wilkins—transmitted on short wave from S.S.N.T. Neilson Alonso, the whaler stationed amongst the ice packs in the Ross Sea near the South Pole.
Ed. Bailey, baritone: "My Prayer" (Squires).
All: "Barcellona" (Allan's Community Song Book).
Ed. Brooker, Aeola solo: "In a Monastery Garden" (Kettleby).
All: "Auld Lang Syne" (Allan's Community Song Book).

NEWS SESSION.

9.50 p.m.—British Official Wireless News. "Mercury" special Tasmanian News Service. Tasmanian District Weather Report.
10 p.m.—G.P.O. Clock chimes the hour.
"God Save the King."
Close down.

The very best
that Radio can offer!
the R. C. A. MODEL 17
Be convinced—a demonstration awaits
you, by Farmer's



Many are still dubious as to the "pleasures" of Radio.

They have had experience, they say; "listening-in" has struck them as one long source of distraction—more of a nuisance than an entertainment—with "howling" valves, "run-down" accumulators, "tuning-in" worries, batteries to be renewed, and a score of other defects which in the past have proved a bugbear.

But with the R.C.A. Model 17—now to be inspected at Farmer's—all is different. This set seems to have been perfected to convince the skeptic.

It has no batteries—a great nuisance completely eradicated. One dial brings in all stations—you can if you desire, tune in in the dark. Volume depends on your mood. Selective—sensitive—embodying in a beautiful—a strikingly simple cabinet—every modern refinement of Radio science.

A demonstration is well worth hearing. With Loud Speaker.
Price £75

FARMER'S
PITT, MARKET & GEORGE STS., SYDNEY

Readers' Queries Answered

"B MINUS" (BALMAIN).—It would not be advisable to use the two valves mentioned. The A415 demands a filament voltage of 4, and the A109 requires only 1.5 volts filament. A better plan would be to use the A415 in the detector stage, and procure an A409 for use as an audio. Re your aerial:—as the combined length of your main aerial and the lead in gives a total of 60 feet, this should be quite long enough. You could, however, experiment with a little more, but the aerial at present in use will be quite satisfactory for your S.W. receiver. It would be advisable to run a piece of sandpaper along the aerial, and clean all insulators with petrol. Giving the aerial a coat of shellac or oil will help to stop corrosion. The positive tip of the telephones should connect to the positive terminal of the "B" battery. The remaining terminal is connected to the plate of the last valve.

S.G. (STH. BRIS.).—Very sorry, but we have no copies left of the issue you require. If you have any further trouble with receipt of your copies, please advise us immediately. See note below.

GENERAL.—Would any reader having a spare copy of "W.W." dated December 30th, 1927, sell same to Mr. S. Grice, 12 Prospect Terrace, Highgate Hill, South Brisbane? Mr. Grice is willing to pay up to 2/ for this copy.

L.B.C. (MURWILLUMBAH).—The wavelengths allotted to amateur transmitters at present are:—8-10, 23, 32-33, 82-85, 125-150 metres. The power is 10 watts. The electrical values of the components shown in your circuit of a magnetically coupled Hartley Transmitter depends on the wavelength on which it is desired to transmit. Presuming this to be the 32 metre band, the values of components will be as under:—Aerial condenser,

.0005 mfd.; L1 inductance, 4 turns of No. 12 gauge copper wire wound to have a diameter of 4 inches; Inductance L2, 7 turns 12 gauge copper wire with a diameter of 4 inches; Tuning Condenser, .00025 mfd.; Filament condensers, both should have a capacity of .006 mfd.; First plate choke, 120 turns of 26 D.C.C. wound on a one-inch former; Iron cored choke from power supply, 50 Henrys; Fixed condensers across power supply—both should be 2 mfd. Why not calibrate the wavemeter yourself? Tune in stations on your receiver, then adjust your wavemeter till it is in resonance, when the reading should be marked on a graph to correspond with the wavelength. It is a simple matter to calibrate a wavemeter from stations whose wavelength is known.

W.J.S. (QUEENSLAND).—No, you will not require an additional rheostat for your two valve amplifier.

(2) The circuit is the "Old Reliable."

(3) There is no need to use additional condensers. The audio stages require no tuning.

(4) You will need a transformer with a ratio of 5-1, a transformer with a ratio of 3½-1, two valve sockets, two valves (4 volt Mullard type). Connect up as follows:—From that terminal of your receiver that connects to the plate of the valve, carry a lead to P of the 5-1 transformer. From the remaining phone terminal take a lead to B plus of the same transformer. From G of this transformer should be connected the grid of the first audio valve, and the remaining transformer terminal, i.e., F negative, should then be connected to F negative of the 3½-1 transformer, thence to one filament terminal of each valve socket, and on to A negative (filament battery). From the positive terminal of the filament battery, carry a lead to the remaining filament connection of each valve socket, and also to B negative on the H.T. or "B" battery. Next take a lead from the plate of the first valve socket to P of the 3½-1 transformer, and connect G of this transformer to the grid of the second audio valve. From the plate of this valve, connect to one side of the speaker, then from the remaining terminal of the speaker (that marked plus—or having a red line running through the cording) connect to B plus on the 3½-1 transformer, and thence to B plus on the plate battery or "B" battery.

T.G.S. (WEST RYDE).—You omitted, in the diagram, to show positive and negative symbols. Also you only show two connections to your B and C Eliminator, whereas with your receiver, you should have at least six connections, i.e., B plus detector, B plus R.F. B plus amp., B negative, C plus, C negative.

(2) No. Current would not flow through the mains when the charger is switched off. The reason is that the circuit is broken. Current will not flow through a single wire.

Prove it by removing your A minus—say, next time you are listening in.

C.V. (SYDNEY).—Screened valves and shielding would be an improvement on any receiver. The layout rests entirely with the circuit you adopt. We shall be pleased to help you.

GENERAL.—One of our readers (we take this opportunity of thanking him) has advised us that Tantalum Ribbon can be purchased from Dye and Co., 177 Elizabeth Street, Sydney. Recent enquirers, please note.

L.E. (MASCOT).—You must never add acid, or even electrolyte to your accumulators, unless the other is spilled. Evaporation should be replaced by distilled water only. The only way of telling when your accumulator needs recharging, is by the use of a hydrometer, which costs only a few shillings. Yes, by using Philips valves, 6 volt type, you will effect a saving of four-fifths of an amp., or .8 amps. filament current. "B" consumption will be approximately the same. Providing you use a good crystal detector, the circuit mentioned is very stable. You have been misinformed.

C.A. (QUEENSLAND).—When your letter arrived, I was just making out a list of S.W. stations on telephony with times of transmission—for which you ask. It will appear shortly.

T.R.S.T. (QUEENSLAND).—A list of short-wave stations on telephony will be published very shortly. Try shortening the aerial to 60 feet overall, and removing the aerial condenser.

A.E. (CLIFTON).—No, it would not harm your receiver to remove the reaction coil, neither would it be detrimental to reception.

(2) Use a variable resistance of 15,000 to 100,000 ohms.

(3) The variable condensers mentioned may be used.



Radio Tube Checker

Pattern 107: Junior Tube Checker for testing tubes at home. Equipped with plug and cord so that necessary voltages may be taken direct from any radio set. Adapters supplied so checker may be used with any set equipped with standard sockets.

Button furnished to charge grid bias on tube, thus giving definite measure of value of tube.

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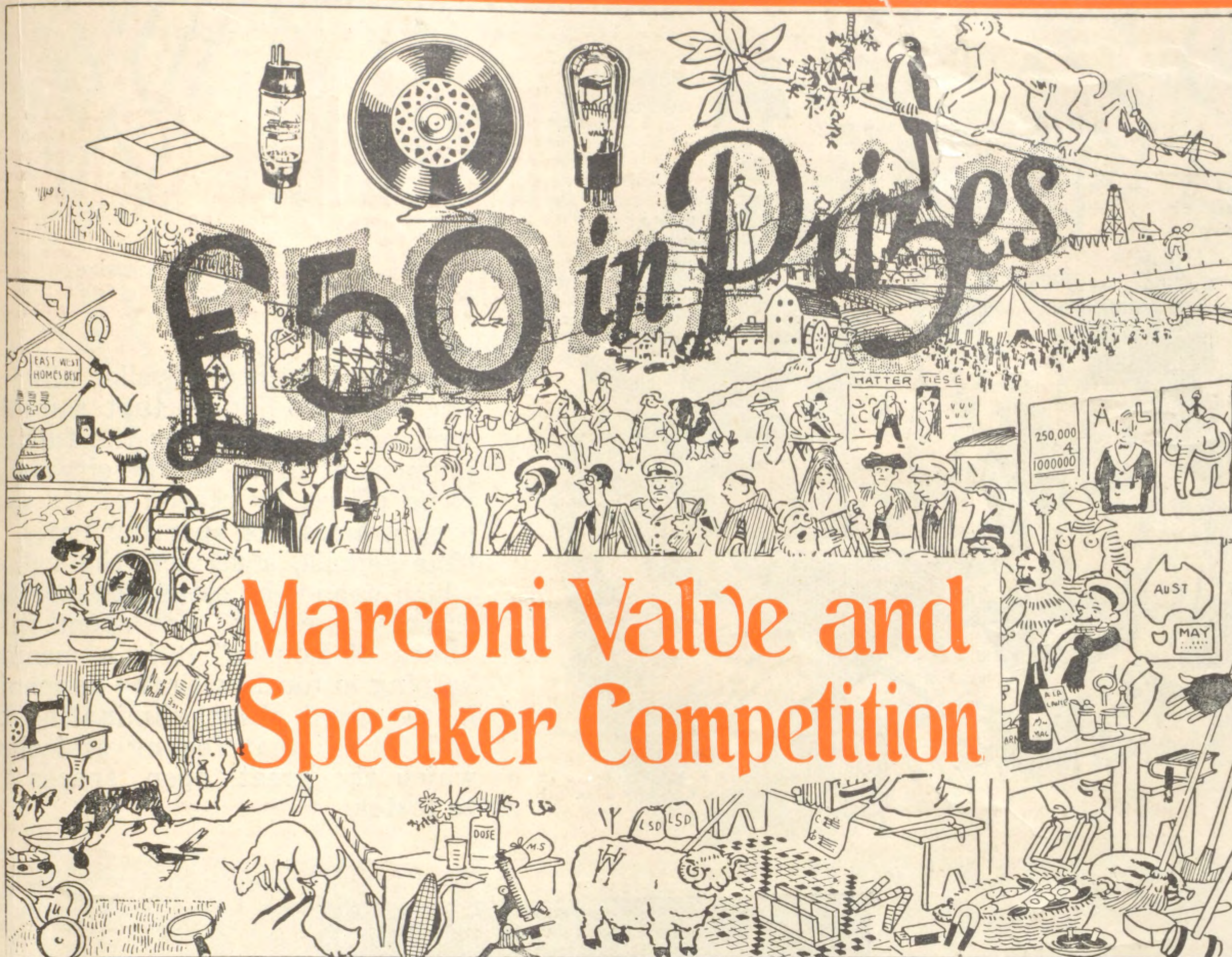
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The competition is open to every reader of this journal. The illustration shown here contains many articles and objects, the names of which begin with the letter M. Study the enlarged illustration, which you may obtain free from any city radio dealer, or direct from one of the addresses mentioned below, make a list of the names, and forward to the Sydney Office of A.W.A. To the person sending in the greatest number of correct names, a cash prize of £25 will be awarded. There is a second prize of £10, a third prize of a Marconi Cone Loud Speaker, valued at £5 and sixteen consolation prizes of a Marconi Economy Valve (D.E.P. or D.E.L. types) awarded in order of merit. Out-of-town readers simply fill in the form below and mail it to the nearest office for a copy of the enlarged illustration.

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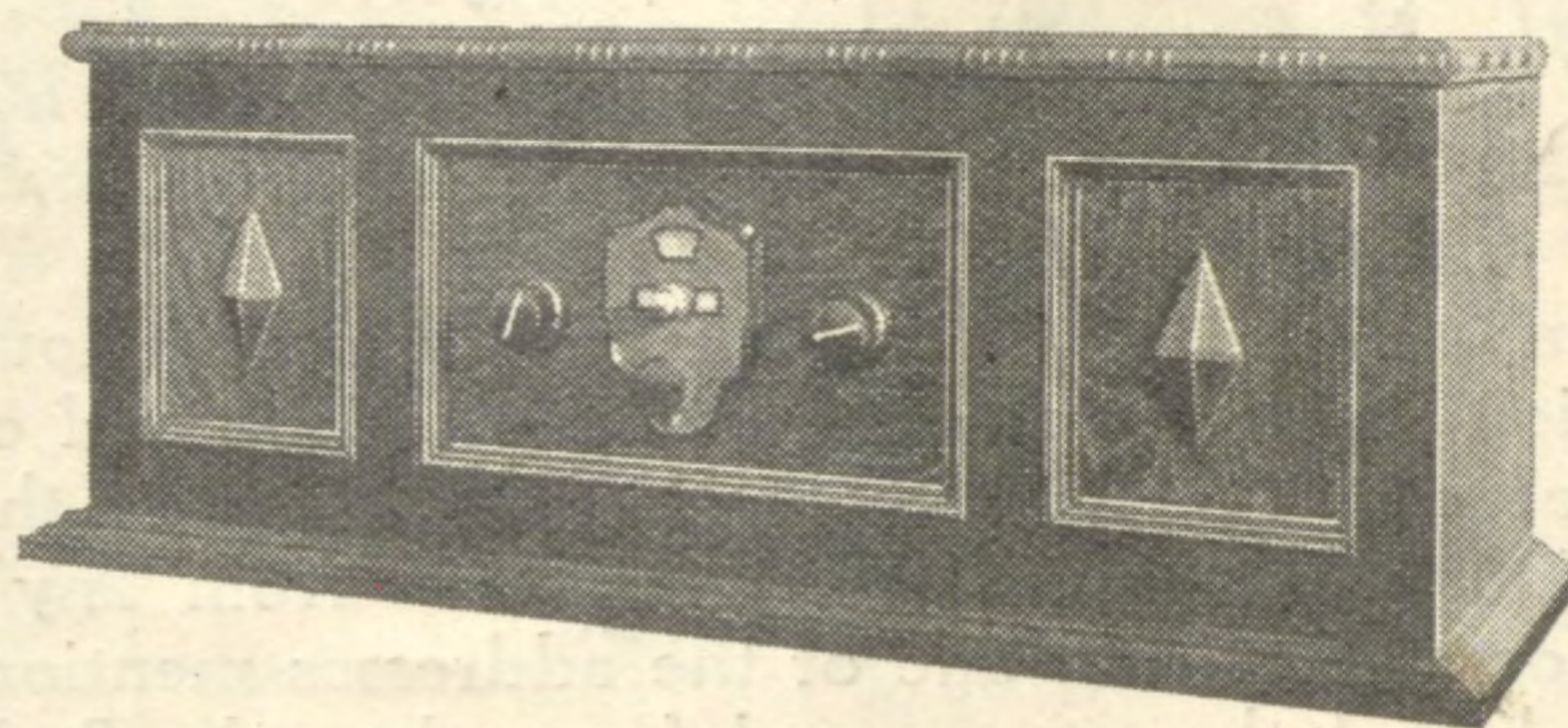
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