

WIRELESS WEEKLY

Broadcast Programmes a Week in advance

VOLUME 12

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

NUMBER 27



Friday, October 26, 1928

Price Threepence

PRICE, £3/15/-

Junior £5/5/-

**Philips De Luxe Speaker
"PCJJ" £6/10/-**

A CRITERION!

The Baby Grand Piano! A term that immediately suggests a piano gracing the home of one who demands the best as his right.

Appreciating this, we unhesitatingly named our unique septagonal speaker the "Baby Grand," for here was a reproducer which glowed with personality whose sheer beauty was obvious from but a cursory glance, a speaker that stood gloriously apart from its fellows.

Its frank and unswervingly faithful reproduction, have, in but a few months, made it a loudspeaker respected and admired by all, as something "different"—something not to be compared with, but rather to be compared by—in short a criterion.

PHILIPS
LOUD SPEAKERS



*It charges either at 1.3 or 6.5 amps
and it's made by PHILIPS!*

"Since I got my Philips 'Four-Fifty' I feel like a modern Aladdin — sort of 'power-house-at-your-front-door' feeling. It's a friend that *never* fails me!"

"Once upon a time (as fairy books say) I lugged a messy accumulator most of the way to the office, so often, my pals asked me if I ate batteries for lunch! After ruining a couple of suits and nearly breaking my poor old back,—I met the Philips 'Four-Fifty.'

"And now, Sir—just a snap of a little old switch once or twice a week on my way to bed and the little 'Four-Fifty' gets on with the job—silently, efficiently—*while I sleep*, and never have to move even a wire or a terminal on that 'A' Battery.

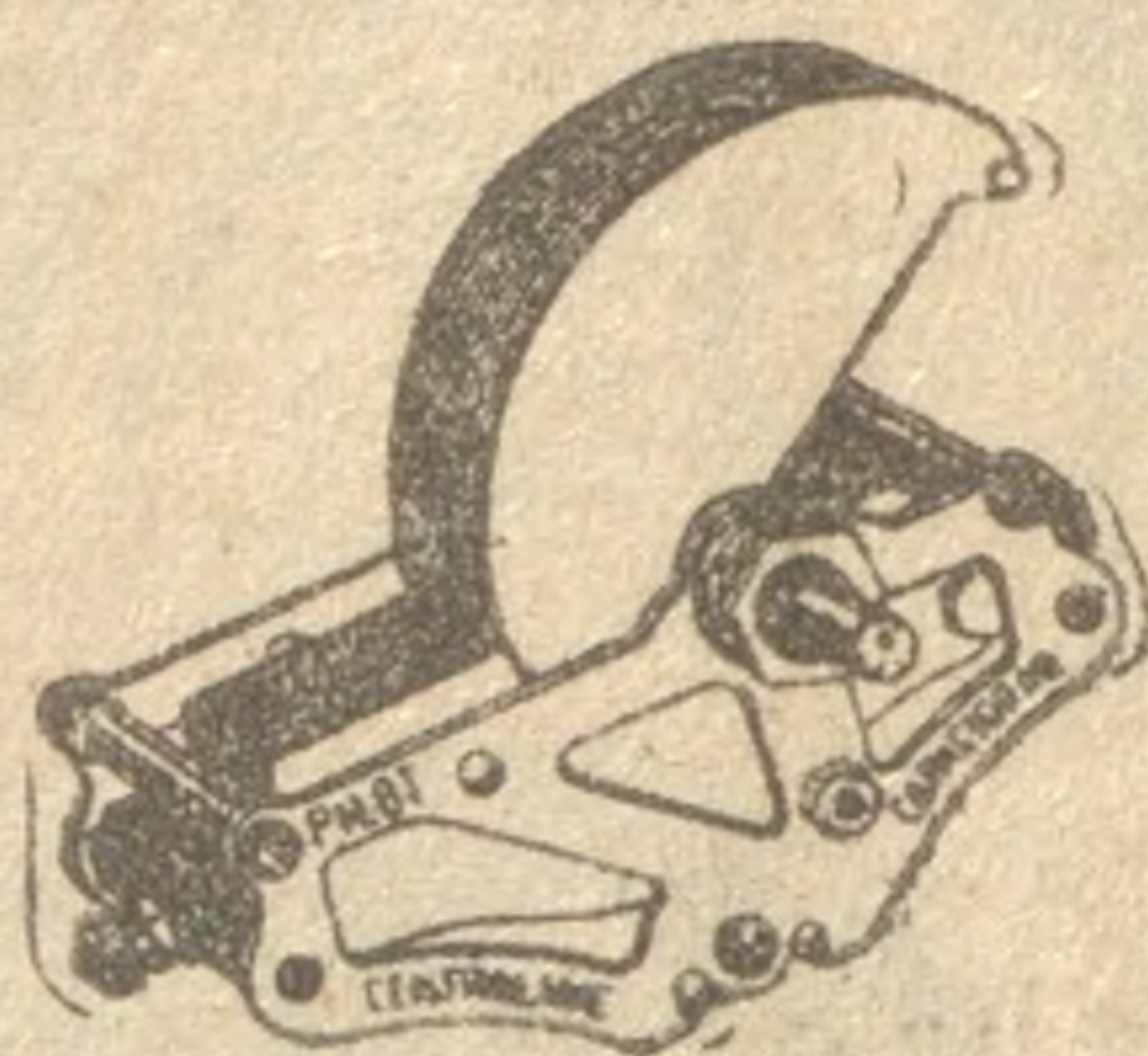
"Take my tip and hand 95/- over the counter to your dealer and say: A Philips 'Four-Fifty' charger please."

PHILIPS
BATTERY CHARGERS

The 1929 type

PILOT RADIO PRODUCTS

Variable Condensers



No. 1623—.00050 mfd., 23-plate, 14/6
 No. 1617—.00035 mfd., 17-plate, 13/6
 No. 1613—.00025 mfd., 13-plate, 12/-
 No. 1608—.00016 mfd., 8-plate, 11/3
 Condenser Couplings, for Ganging together 2/6

Midget Condensers



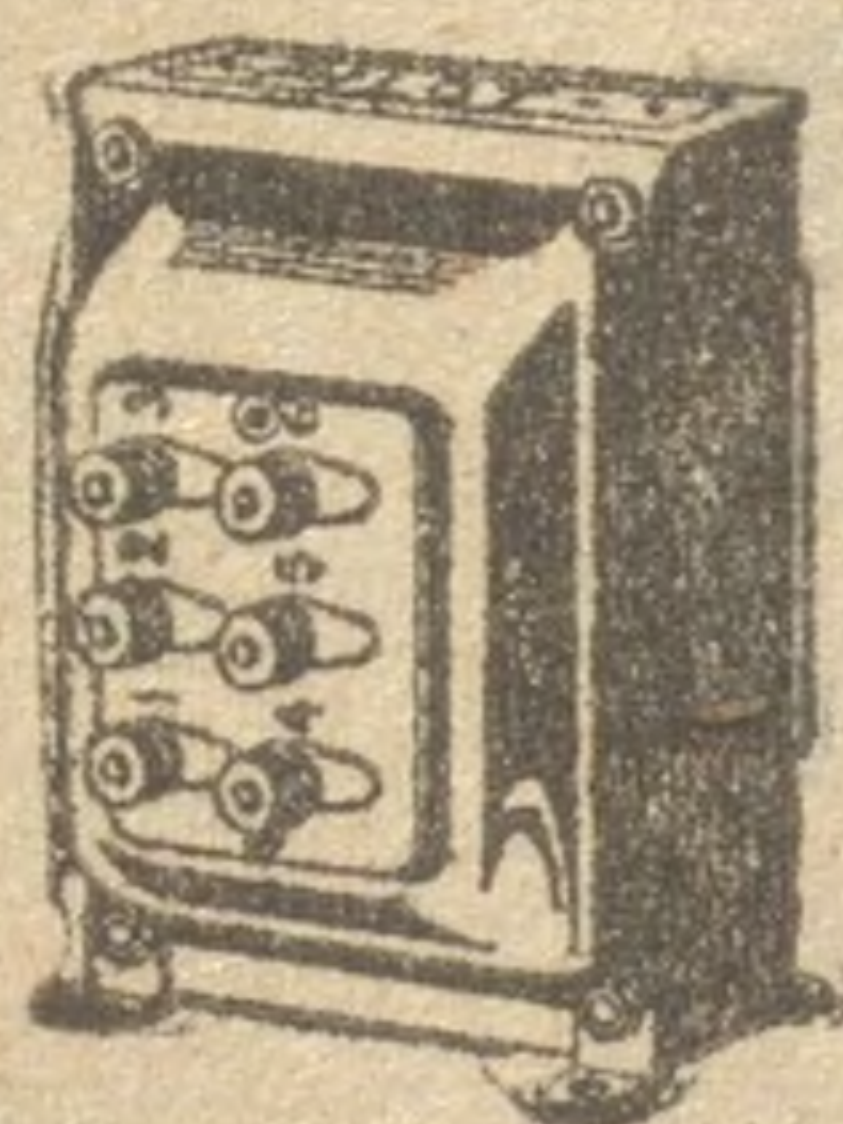
No. J7, Midget,
 7-plate 5/6
 No. J13, Midget,
 13-plate 6/6

Pilot Micrograd

No. V.M. 80.
 2-plate 5/-
 No. V.M. 81.
 4-plate 5/6

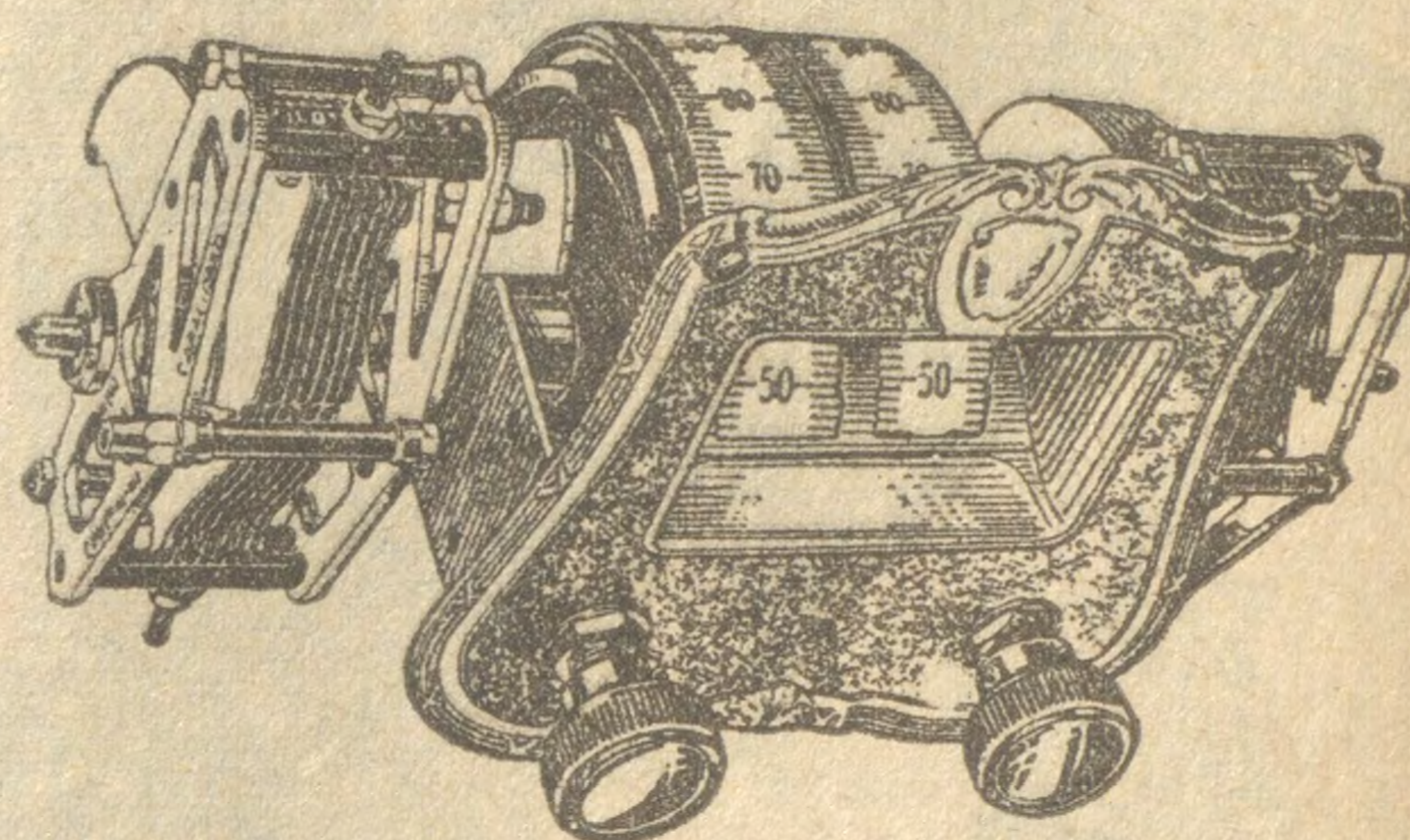


Pilot Transformer



No. 388. — A.C.
 Tube Filament
 Lighting Trans-
 former, for A.C.
 Sets, 220-240 V.,
 50 to 60 cycles,
 £2/12/6.

*Products of the World's greatest
 Radio Parts Plant*



No. 1284L—Single Illuminated Drum Con-
 trols, with bulb £1/2/6
 No. 1283L—Double Illuminated Drum Con-
 trol, with bulb (illustrated) £1/19/6

Pilot Vernier Art Dials

No. 1278—Black.
 No. 1279—Walnut.
 7/6 each.



Sole Australasian Agents:

Harringtons LTD

"Goodwill built on Public Confidence since 1889."

Retail Radio Dept. and Showrooms:

386 GEORGE STREET, SYDNEY

Wholesale Warehouse: 213 Clarence St., Sydney

Also at Katoomba, Newcastle, Melbourne, Brisbane,
 Adelaide, Hobart (Tas.), Auckland (N.Z.),
 Wellington (N.Z.)

WIRELESS WEEKLY

Vol. 12, No. 27.

FRIDAY, 26th OCTOBER, 1928.

Two Sides to Every Question.

THERE is one complete and silencing answer to all critics of the broadcasting programmes. It is that in the last six months the number of wireless licenses in Australia has increased from 263,340 to 283,923, an increase in the number of active licenses of more than 20,000.

Victoria is still leading with 142,334 licenses, and there are still more licenses in force in that State than in all the remaining States together. But Victoria is being closely followed by N.S.W., where there are 87,355 licenses. It is expected that, as a result of increased activity on the part of the Radio Inspector's Department, this number will be greatly increased in the next month or two.

In view of the fact that Victoria outclasses the other States so greatly in the number of listeners' licenses, it is of interest to note that of the 767 experimental broadcasting licenses in Australia there are 267 in N.S.W., or four more than there are in Victoria. These experimental licenses are believed to indicate that radio is just as popular in this State as in any other, and it is the view of the authorities that the local broadcasting stations are just as popular as those in any other State, but, that on account of the large area of N.S.W. and the small force of Radio Inspectors, there are a great number of unlicensed listeners.

It is a notable fact that any one can make capital out of criticism of the broadcasting programmes. There

always have been and always will be vehement critics of the programmes, and by airing these peoples' views, and not those of the listeners who support the programmes, an unfair light can be cast on the local stations' activities.

Our Safety Valve page in this issue is an excellent instance of the wide diversity of opinion regarding the programmes. We have a letter from one reader who believes that the programmes are the "world's best"; another dislikes certain features in 2BL programmes, another believes the wrestling broadcast to be most boring, and yet another who believes that these same broadcasts are better than any others in Australia.

It is almost impossible to be fair when such a wide range of opinion is brought to bear on the operations of the companies. No one class or no one sect is particularly catered for, but all listen in and all have their own and widely diverging opinions and prejudices. How is anybody to judge? How is anybody to know better than the broadcasting stations?

In such a widely scattered country as Australia, it is remarkable that there is approximately one license to 20 inhabitants, which compares more favorably with the position in England, where there is one license to approximately 17 inhabitants. And we must remember that in England the broadcasting stations are sufficiently close together to give everybody a splendid service at the cheapest possible rate.

Catching Up with the Wireless World.

By R. E. CORDER.



MR. FRANK GROSE, who is working in association with Mr. Cochrane in the new children's session at 2FC between 2.30 and 3 p.m. on Sunday, realises the value to the child mind of a definite purpose. Mr. Grose is Boys' Work Director at the Y.M.C.A., and his long years of experience are telling to good effect, in the work he is now engaged on at 2FC.

WE HAVE decided to form a 2FC "Cheer Up Society," said Mr. Grose. "Membership is open to all children—both young and old," he added with a smile. "We have adopted as a badge of 'Bluebird.'" The rules are simple enough: 1. Be always cheerful. 2. Keep other people cheerful. 3. To leave the world a little better than we found it. Easy enough in theory, and we are out to make them easier still in practice.

"THERE ARE boundless possibilities in the scheme. It is quite likely that we will get the children to assume definite responsibilities of a community service nature—even to form a children's choir, or orchestra." With the force of Mr. Grose's untiring zeal at the back of it, we are sure the "Cheer Up" Society will assume proportions commensurate with his enthusiastic effort.

ONE AMERICAN radio editor has perceived in the English term "valve" a more apt word than "tube" which is generally used in America. The editor of the New York "Popular Radio" of December, says,—

"After having received a number of letters questioning the license we have taken in using the term 'valve' in place of 'tube' we feel constrained to say something in defence of this policy. One slightly irate reader complains with some feeling that we have been 'high hatting' him. 'Popular Radio' obviously has no interest in 'high hatting' its readers, but it does have a sincere desire to keep its terminology as scientifically accurate as possible, and, following the growing tendency of the radio engineering profession, it has forsaken the ambiguous term 'tube' for the more descriptive one of 'valve.' After all, a tube may mean a container for toothpaste or the Hudson River Vehicular Tunnel."

AN INTERESTING competition is being conducted by Amalgamated Wireless (A/sia), Ltd., dealing with the new Marconi valves and speakers.

THE PRIZES are, first, £25 cash; second, £10 cash; third, a Marconi speaker valued at £5. There are also 16 consolation prizes of a Marconi valve (DEP or DEL types). The announcement of the competition is attracting wide attention, and many thousands of radio listeners should enter.

Summer Nights.

(Mintie).

*Summer nights are coming soon,
We shall dance beneath the moon,
While the sighing breezes blow
Melodies from 3LO.*

*Magic speaker near at hand,
Strains of Radi-O-Aces Band;
Shadows flitting to and fro,
—Melodies from 3LO.*

*Youth and pleasure, dance and song,
Dainty maid with escort strong;
Summer time is sweet, you know,
Dancing to the radio.*

*Magic speaker near at hand,
Dreamy Radi-O-Aces Band,
And the sighing breezes blow
Melodies from 3LO.*

*Rounded cheek and flashing eye,
See them swaying, flitting by,
As their feet move to and fro,
To the tunes from 3LO.*

IT HAS BEEN proposed to build a small powered transmitting station at Rotorua, N.Z. The mayor of Rotorua is a very active member of the Radio Club, who says that in all probability the council will subsidise the effort.

DURING THE description of the Metropolitan by the New South Wales Broadcasting Company's racing commissioner, Mr. Ferry, he stated that to the listener who resided at the greatest distance from Randwick race-course, and who cared to get in touch with him, he would present a composite photograph of "Jocelyn" winning the Metropolitan and returning to scale.

SOME HUNDREDS of letters came to hand, and from these Mr. Ferry has decided that the winner is Mr. B. Britton, Mernoon, Ilfracombe, Queensland. Mr. Britton's letter reads: "Herewith an application for a photo of 'Jocelyn' as mentioned by your racing commissioner a few minutes ago. I am 17 miles from Longreach and have consistently received all the races in running the last couple of years. Was well on the double Amounis and Jocelyn."

OTHER LONG distance listeners who were in the last twelve left in were: Mr. H. V. Weston, Darlington, Victoria. Mr. Robert Harwood, Clifton, Darling Downs, Queensland. Miss Edna Land, "Yoothapina," Cudgewa, Victoria. Mr. W. C. Glover, Richardstreet, Bourke, N.S.W. Miss Lily Bateup, "Glengarry," Blanket Flat, via Binda, N.S.W. Mr. R. Jones, 28 Emerald-street, Hamilton, Newcastle. Mr. Fred Jackson, Bourke, N.S.W. Mr. E. Taylor, Bulline Station, via Gloucester. Mr. Tom Gray, Box 34, South Wagga Wagga. Mr. J. Joyce, s.s. "Marama," U.S.S. Company, Sydney.

LISTENERS to the 3LO Children's Hour who hear the familiar "Thank you for the subscription to the Birthday League," little realise that, through this medium, many hundreds of pounds have been raised to swell the funds of the hospitals. Each member of the Hospital Birthday League has contributed half-a-crown, many subscribers a great deal more, and to September 25 the members of the 3LO Studio Hospital Birthday League numbered 16,696, with daily additions.

Why are there no Women Announcers?

NOW that broadcasting has been firmly established, woman cannot lay claim to having "the last word" in all cases. She is beaten by the radio announcer—who says what he thinks—without interruption.

One can well imagine the henpecked announcer's relief (we understand there are henpecked announcers), when he speaks to millions without interruption. Imagine what radio would be like if it were possible to answer the announcer back! If this were always possible (it was tried at 2BL for a while, with astounding results), the inevitable result would be that woman would win the battle, and, henceforth, all announcers would be women—and comparative quietness would reign, for show us the husband or man that will win an argument against his womenfolk.

This brings us to the question: "Why are there no women announcers?" We understand that an announcer must be able to talk; all women can carry this necessity to a fine degree; in fact, too fine; in fact, so fine that it is beside the point.

The next vital necessity is that the announcer must always be prepared for the unexpected; anything from an unpronounceable name in a news bulletin, to the non-appearance of a famous artist. This is where male and female announcers would come to blows (or in the case of extremely polite announcers, to words), for the woman announcer would, in the case of an unpronounceable name, leave it out, whilst in the event of the non-arrival of an important artist, she'd probably take his or her place herself.

Then, again, temperamental artists must be handled in just the right way, and there are many artists, new to broadcasting, who find themselves tongue-tied before the microphone. It is here that woman would also fail. She would become temperamental herself, and would insist on laughing and crying with the unfortunate artist!

How awkward it would be, too, if some artist talked on some controversial subject whilst a woman announcer was present. The woman would interject fiercely, whilst the artist strived in vain to point out his views to millions of listeners, whom he cannot hope to sway whilst each idea is thrown away by a woman's mind.

By R. E. CORDER

(A. Male).

We invite opinions from readers on the subject—a matter, incidentally, which gives the broadcasting stations considerable food for thought. We refer, of course, to a woman's speaking voice. It is a recognised fact that the usual timbre of the feminine voice is not suitable for broadcasting. What are known technically as "frequencies" are magnified through the microphone to such a marked degree, the voice loses all pretence to color, and becomes a distorted squeak!

Women's voices are much more difficult to broadcast than men's. The inflections in a woman's voice require a more delicate adjustment, and the shades of feeling are very much finer than in a man's. A woman's voice, therefore, has an inherent technical disadvantage, which is increased because of the irregular quality of receiving apparatus. Receiving apparatus varies a great deal, and when an artist's voice comes through badly, the artist is generally blamed. The writer would like to say (as regards the sopranos) that this is the case, but daren't.

A broadcast announcer learns that he must give the impression of speaking to two or three friends in the same room. The platform manner is quite useless over the wireless. Woman, of course, would be quite alright in this role until she became excited.

As an instance of what I mean, just try to picture a woman announcer during the flight of Captain Kingsford Smith and Lieut. Ulm.

"They've nearly arrived in Australia—the darlings! They've passed through a most TERRIFIC storm, the poor boys, and the latest message says that they are feeling quite cold. They really ought to have carried two or three spare woollies with them—" and later—"The brave boys have safely arrived at—oh dear! I'M GOING TO FAINT!"

I've tried hard to imagine (for the benefit of my readers) what the effect would be if one of the more modern

types of women became radio announcers. Unfortunately, I could not conjure up the picture to any degree of clearness, but I did see the looks of horror on listeners' faces when the modern young announcer laid aside her paper and gave news items from her head. The items in question, of course, dealt with scandal, undies—and—but I forget what you call them.

With the same young person in the role of announcer, all gramophone records would be of the jazz variety. I simply cannot imagine how any sane listener can sit and listen to the pom-tiddly-om-pom of a jazz orchestra, when a sweet dar-dar-ple-dum is being broadcast from some other station.

Now we all know that the perfect announcer must be a linguist, and in addition must have a voice which is a blending of Oxford, Cambridge, London University, Manchester University, Yale, Harvard, Sydney University and a hundred others. This is where women come right to the fore—then march out of the picture. What is worse than hearing affected speech? I think I heard someone say, "Two affected speeches," but this is no time for mirth.

An English newspaper recently mentioned that the broadcasting announcer must have a touch of the confidential, and a large amount of sympathy, coupled with an entire absence of affectation, no trace of harshness, and adaptability to circumstances. Since this article is something out of the ordinary, we shall start with the last. I scoff at the idea of women adapting themselves to circumstances. Here's an instance. We were camping at Goulburn, and had just started to drink our tea, and eat the ants and flies, when the wife said, "Dear, I wish I'd brought some serviettes!"

Now, the second last quality, is where I have to pipe down. Few women are harsh, but I cannot resist saying that some of them are. A friend once told me that this quality is usually evidenced in mothers-in-law, but, of course, I am too polite to discuss this subject, having a mother-in-law of my own—worse—thank goodness!

Now, I'll take a mighty swipe at women for their affectation. No, I can't though, as I've already discussed that. Sympathy! What woman has not got this quality? Well, what man has not? Therefore, I think we're quits on that subject.

Women fail when it comes to a "touch of the confidential." Women confide far too much, though they think they're being secretive. Alas, only this morning my wife confided to me that she badly needs a new dress, and that she has no money!

Well, so far I've proved that women have only one point in favor of their becoming radio announcers. but I'm going to scrape that off the list by giving an instance of what would happen if the listening public had to put up with them.

Every day, radio announcers receive all sorts of nice letters from young ladies (some of them are probably older, but don't mention the fact) and these letters contain words of endearment, such as my wife wouldn't use to me before we were married. Well, I haven't heard of an announcer becoming married yet, so they're wise birds, because they're men. If women were in a position where they were besieged from all sides by love letters, they would immediately pick out the best half dozen, and make appointments, after which the woman would require a marriage license (which would probably be effective for three weeks) and the broadcasting station would require a new announcer, and a special staff would have to be engaged to see to it that the station could always get an announcer.

Whist, soft footsteps are coming! It is she.

I'll now take back all I said about women losing the argument. My own wife is at this moment broadcasting the fact to neighbors that unless I come at once, I shall get no tea.

Woe is me—a man!

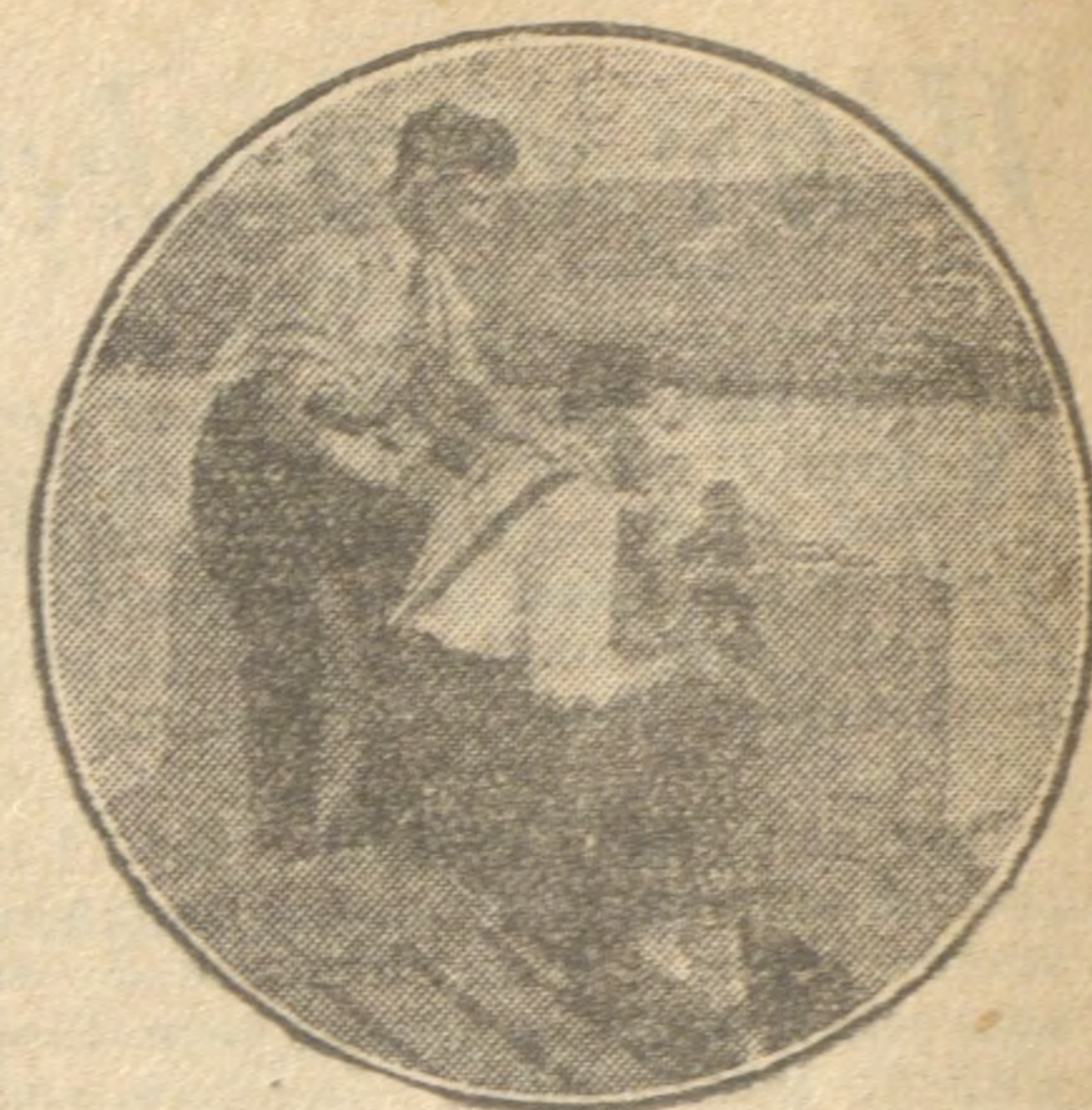
GOOD PROGRESS has been made with the preparation of 5CL's new studio in Hindmarsh Square, Adelaide, and the extensive structural alterations necessitated, have been completed, as has the interior of the main studio. This studio is 60ft. by 46ft., and will be fitted with cane chairs, which when moved to one side, will allow of dances being held. To this end a specially sprung jarrah floor is now being installed. The intricate switching gear which will form part of the new control apparatus has now been completed by 5CL's engineers, under Mr. Harry Kauper, and it is considered better than any gear which could have been imported.

THE LATTER portion of 4QG's programme, on Friday, November 9th, will take the form of an old-time night. Well-known and popular old favorites will be broadcast, and the studio orchestra will contribute old-time instrumental music.

4QG Studio Notes.

THE CURLEW Male Choir, under the capable leadership of Mr. Reg. Yorston, will, in conjunction with the Brisbane Philharmonic Ladies' Choir, give a concert, in the South Brisbane City Hall, on Friday, October 26th, the second half of which will be relayed by 4QG. The programme contains several ladies' choruses, male choruses, and items by leading artists.

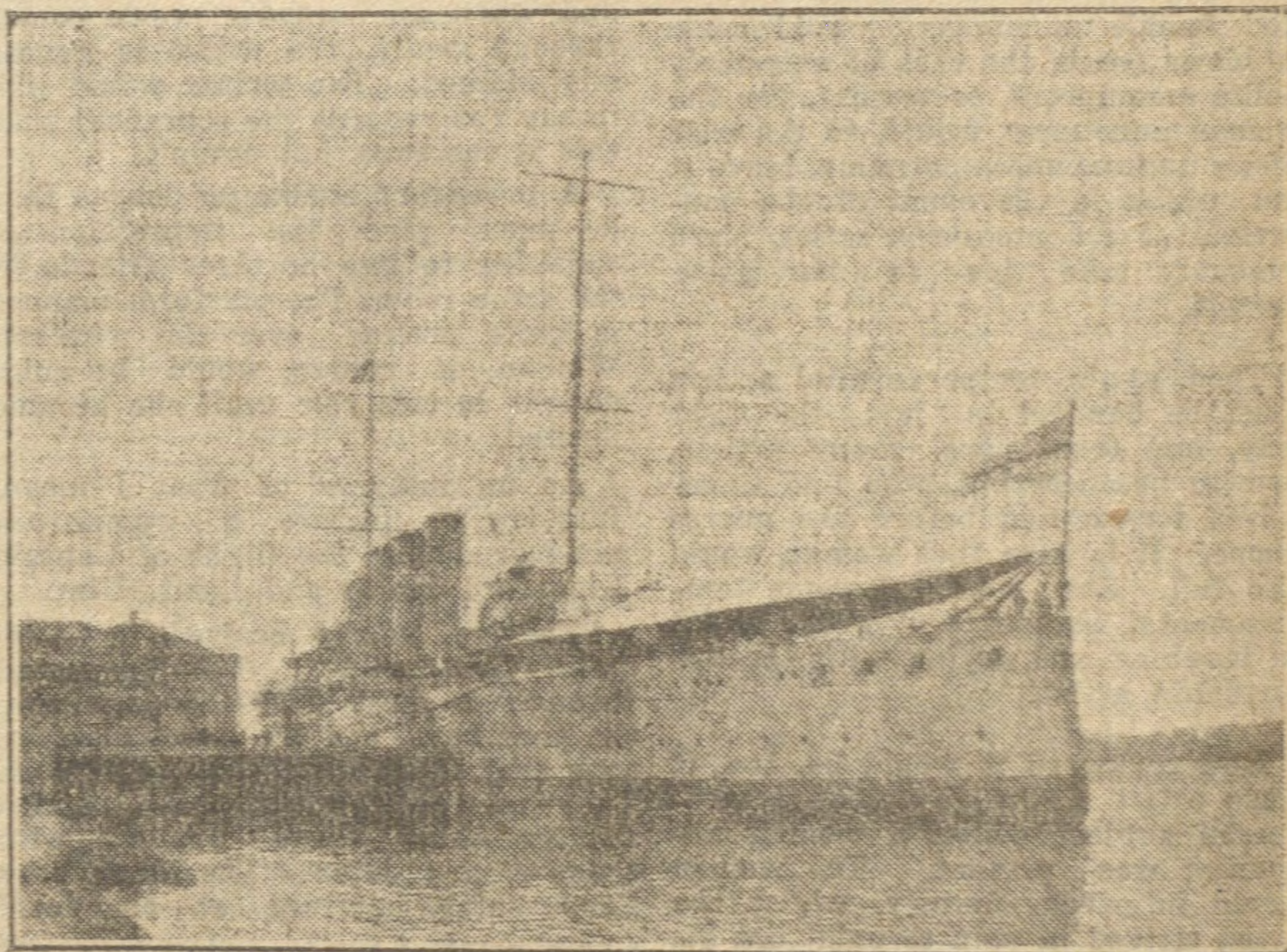
THE EXTRA bedtime story session which 4QG has instituted is, according to letters which the station is receiving, proving very popular with little listeners. The session, which commences at half-past six every Sunday evening, is held specially to give greetings to children who write to the station, and who desire to hear their names called. 4QG makes it a point not to call names during its ordinary children's session, on the grounds that a session of music, stories and fun is more suitable for little listeners than a mere repetition of names, night after night. There are many children, however, who like to hear their names called by radio, and the session on Sunday evenings has been included in 4QG's schedule of transmissions, specially for the purpose of giving calls to children who write asking for them.



The 4QG announcer and engineer describing the arrival of the "Australia" at Brisbane.

ON THE NIGHT of Friday, November 2nd, the whole of 4QG's programme will be relayed from Southport. A bright bill of fare awaits listeners, and advantage will be taken of the opportunity to explain to distant listeners something about the charming seaside resort in Queensland from which the programme is being relayed.

ONE OF THE Brisbane Apollo Club's public concerts will be held, in the Exhibition Concert Hall, on the night of Wednesday, October 24th, and will be relayed by 4QG. In addition to choral numbers by the club, items will be rendered by artists, including Jack Land (tenor), Mary Jefferies ('cellist), Beatrice Pugh (soprano), and others.



The new H.M.A.S. "Australia" which arrived at Brisbane recently. A full description was given from 4QG—the first news of the cruiser in Australia.

VZGY

By *Don B. KNOCK (2NO), Technical Editor*

THESE lines are being penned as the signals from the short wave transmitter on the "Southern Cross" out over the Tasman Sea, in its homeward flight, are filling the operating room via the medium of a powerful short wave receiver and loudspeaker. This is in direct contrast to the unfavourable reception conditions during the outward flight from Richmond to Christchurch, New Zealand.

The conditions on this second Tasman crossing are kind to those who are listening anxiously for details of their progress. From the start from Blenheim aerodrome until now the signals have been consistently strong and the only difficulty in reception has been at various periods when the extreme unsteadiness of the transmission indicated that flying was far from smooth. Earlier in the evening of October 12, whilst in communication with an experimental station in Wellington, New Zealand, we were informed that the "Southern Cross" would leave for Australia at 5 a.m. N.Z. time, and that 2YA, Wellington, would broadcast the start from the Blenheim aerodrome.

Accordingly, at 3 a.m., Sydney time, a Martin Screened Five was used for this reception, which was obtained with excellent volume and clarity. At this time—static was very slight, and the whole of the proceedings on the Blenheim aerodrome were heard throughout with uncanny realism. Kingsford-Smith's brief "Cheerio, New Zealand"—the droning of the famous "Whirlwind" engines, the cheers of the crowd, and the final sounds as the "Southern Cross" took off the run-way and after climbing, passed back over the hangar in which the announcer was speaking. The sounds died away as the great machine headed out for the open sea and in the direction of Australia. The thought "so near and yet so far" flashed across my mind.

Almost immediately after the machine had taken the air, the short wave transmitter operated by Mr. McWilliams, was heard very strongly, bidding "good morning" to the coastal station at Wellington. It was realised very soon that this trip home was to be no easy feat compared with the trip to New Zealand. It was extremely hard to follow the signals, which swung quickly out of the audibility range, necessitating a constant control of the tuning condensers. The text of the transmitted messages

indicated that severe head-winds were impeding the machine, and the commanders very wisely stated that unless a change for the better took place within six hours, they would return. The head-winds apparently abated sufficiently to allow a decision to continue—and now another brilliant feat is added to the exploits of Australia's air aces!

Squadron-leader Kingsford-Smith and Flight Lieutenant Ulm have so ably shown the world the future possibilities of trans-ocean aviation that the measure of confidence in them is so great as to render one completely blasé as to the certainty of success on this re-conquering of the turbulent Tasman Sea. And so, every one instinctively feels "why worry—they will be at Richmond aerodrome tonight." That is just how I feel writing this in the transmitting shack in the early hours of October 13.

It was suggested before the flight by the Australian Radio Transmitters' League that to avoid any unreliability in the reception of the 33 metre signals from VZGY, the "Southern Cross," that the 80 metre wave-band should be used. This suggestion would have been necessary if it had been a poor period just then for reception on the 30 metre band between Australia and New Zealand. Although the 600 metre marine wave-band was used occasionally at first by Mr. McWilliams for short distance communication with a land station or ship, the 33 metre signal has been consistently strong in Australia.

At 9 p.m. Mr. McWilliams has just stated that if he does not "hold on to everything with both hands—the gear will soon be out of the 'bus'!" A terse sentence, but fully visualised by those who know what operating under such difficulties means. Imagine, in the blackness of the night—and it is particularly black and cheerless—the two pilots in their cockpit in the nose of the machine, with hands numbed with the cold and clothing wet with driving rain squalls; checking every move of the relentless winds which seem to stand off in lulls and then deliver hammering blows like a pugilist.

In the navigation cabin, behind and out of sight, are the navigator and wireless operator; the former endeavouring to snatch a glimpse of the stars through a fleeting rift in the clouds—for his bearings—and the operator with headphones held tightly, trying to decipher messages from the

powerful Sydney marine station, through the drumming of mechanical and electrical noise. At times, they are shaken from their seats by the bucking of the machine.

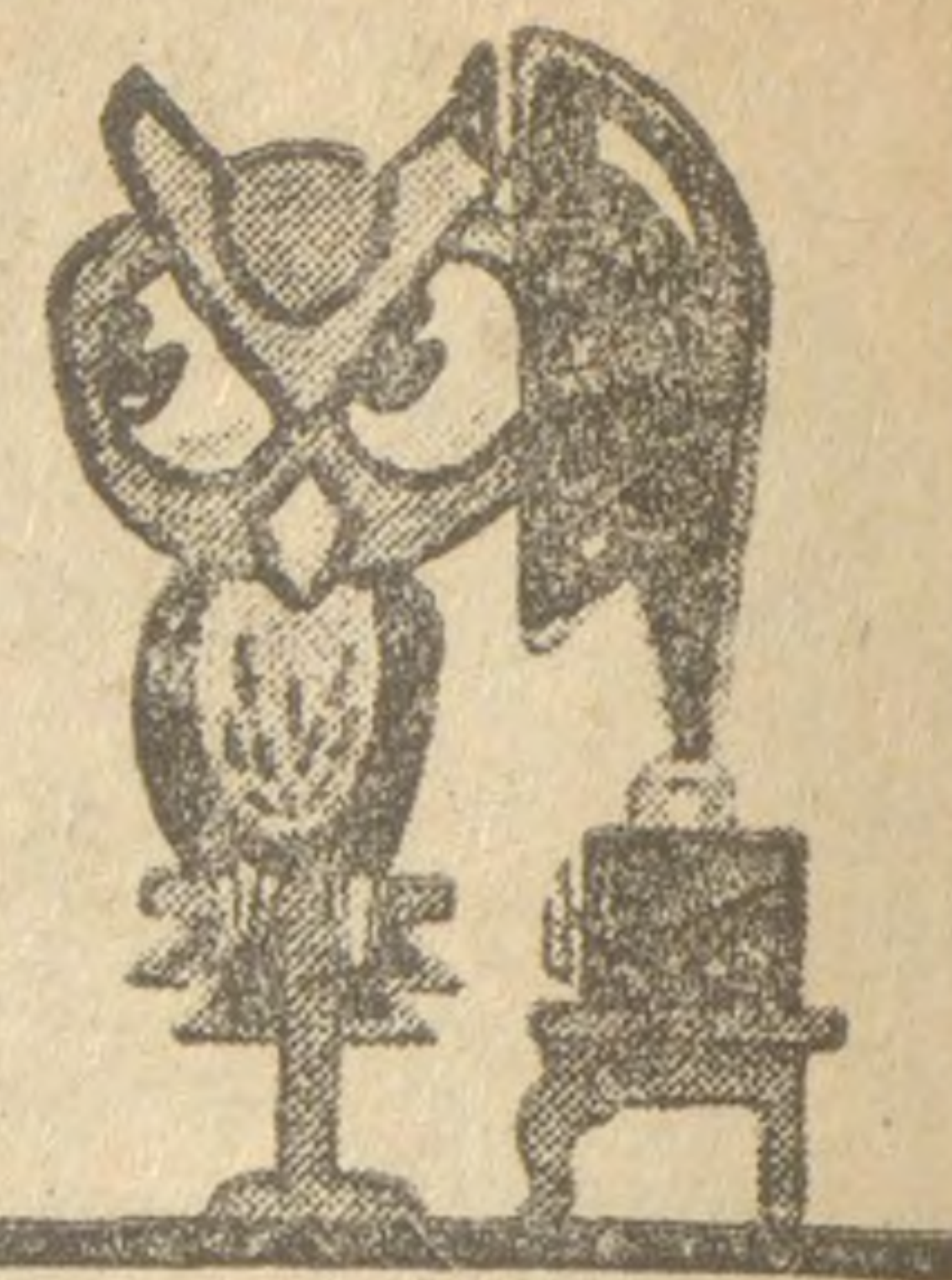
The only indication we on land have of all this discomfort is the swaying or unsteadiness of the signal heard. In such a way that continual buzz when the transmitting key is locked down tells its own story: a story of the superb endurance of this combination of men and machine.

The latter embodies the genius of its designer, Mr. Anthony Fokker. The name Fokker was a dread one to the British public during the earlier stages of the great European War, for it was the then comparatively speedy Fokker which reaped havoc among our airmen who were at that time equipped with inferior machines. To-day, the "Southern Cross," with the name Fokker behind it, has forged a vital link in the chain of goodwill between nations by conquering the treacherous spaces of great sea tracks in the hands of those far seeing men of Australia who ride out the storms and nurse the responsive machine in grim determination to its goal.

I conclude these impressions at the termination of this return Tasman flight when the admiration of the world goes out to these men who carried on to the end, effecting a perfect landing at their destination with only enough petrol left for a few more engine revolutions. A few may attribute the achievement to "Luck"; but "Tenacity" is more appropriate. Many—in the blackness of the night, would have attempted a forced landing in despair—but not so with Smithy and Ulm, who drove beneath the clouds and took their bearings from the hospitable lights of Sydney to guide them to Richmond aerodrome. The time will come when this splendid and historical aeroplane will be no longer "fit for active service." Even as the old Vickers Vimy in which Sir Ross and Keith Smith pioneered an air route from England to Australia is preserved as a historical exhibit, so will the public of Australia take their sons to see the "Southern Cross," which should eventually be available for the inspection and admiration of future generations as a silent but magnificent tribute to Australia's eagle-like aviators—Squadron Leader Kingsford-Smith and Flight Lieutenant Ulm.



Between you and me and the Microphone.



LITTLE GIRL: "Daddy, are there loud-speakers in Heaven?"

FATHER: "Yes, dear—with wings on!"

MARION invited her young man to her home one night to listen in. Unfortunately, little Willie refused to go to the pictures—so they—listened in.

THE MOST absent-minded man I know is the fellow who locked his wife in the cupboard, and took the loud-speaker out for a walk.

JOHN: "I got Greece on the radio last night!"

MOTHER: "Well, wipe it off before your father sees it."

CAN ANY READER help us to work out the frequency in kilocycles of the wavelength of a Marcel wave?

THE POLICE are beginning to make use of radio. However, they are becoming very mixed in their radio vocabulary, as was recently evinced when a man was charged with resistance!

TWO FRIENDS were travelling in a railway carriage. Opposite sat a pretty woman with her husband. One young man presently began tapping on the window-pane in morse,—and this is the message his friend received—"Bet you a fiver you darn't kiss that girl!" His friend tapped back—"You're on—I'll kiss her when we pass under the tunnel at Redfern!" Suddenly, however, the husband of the woman commenced tapping, "Sorry," he tapped, "but we get out at Croydon!"

HE HAD BEEN invited to the Radio Party and Demonstration. So far, things had been very dull—and no women had been introduced. Presently, he took things into his own hands, and spoke to a young woman sitting near him. "I made an awful ass of myself just now," he said. "You see that chap over there? Well I told him it was a rotten show, and he turned out to be the host!" "Oh," said the woman sweetly, "You mean my husband?"

WHISPERING TO MIKE.

(Anna Lee).

Do you know Mike, of 3LO?
He's just the cutest thing,
He makes you laugh, he makes you cry,
He gets you on a string.
He makes you naughty, makes you wise,
Makes you "get off your bike"—
But everything depends on who
Is whispering to Mike.

* * *

It may be a contralto, with a soulful, slushy voice,
It may be a comedian, with repertoire most choice,
Or just a Sweet-and-Simple soul to make the heart rejoice.

* * *

Perhaps a priceless Opera Co. will sing their songs to him:
Miss Embonpoint may lecture on "Good Ways of Getting Slim,"
Or Miss Priscilla Pieface on "The Pleasures of the Prim."

* * *

Mayhap the Gee-Gee Gossip will cause hearts to miss a beat,
We'll barrack our pet Football Team to victory—or defeat—
Or we may turn detectives at the call of "Russell Street."

* * *

The Reverend Roland Roundabout may talk on wasted lives,
Or Brigham Young's disciple on the slogan "Use More Wives,"
Or Doctor Richard Rumpelnitz on "How to Hamper Wives."

* * *

Or maybe Uncle Ichabod will whisper fairytales;
Perchance a Man of Science on the Private Life of Whales.
Or Mamzelle Maie anent the modes to buy at bargain sales.

* * *

Do you know Mike, of 3LO?
He's just the cutest thing.
He makes you laugh, he makes you cry,
He gets you on a string.
He makes you naughty, makes you wise,
Makes you "get off your bike"—
But everything depends on who
Is whispering to Mike.

SLOGAN FOR those who wind their own coils: "Half a turn, half a turn, half a turn onward."

AS THE RESULT of the erection of three meteorological stations in Greenland, two days' notice will be given to ships of storms intending to reach the Atlantic Ocean. Remote control, evidently!

THE STAFF of station 2BL again earned unstinted praise from listeners for their work in connection with the return flight of the "Southern Cross" from New Zealand. Letters, telegrams, and hundreds of telephone calls reached the New South Wales Broadcasting Company's offices, saying how much the work of the announcers and the engineering staff was appreciated.

IT WAS surprising to learn the number of listeners who remained at their sets right through until the arrival of the fliers in the early hours of Sunday morning. Another successful phase of the flight was the relay of 2BL by the New Zealand stations. Intense interest was taken in the flight by listeners in the adjoining Dominion, and just before 2BL closed down, the New Zealand stations sent through a message of thanks and stated that the relay was about the most successful which they had yet carried from Australia. Throughout the whole proceedings, the rebroadcasting was quite as good as direct reception.

AT THE Richmond aerodrome, the 2BL staff worked under great difficulties, owing to the tremendous crowd who unexpectedly attended to welcome the fliers. When the doors of the hangar were thrown open to let the broadcasting staff in to get a message from the fliers, the crowd rushed in. Half a dozen policemen saw the difficulties which the 2BL men were working under, and three of them lifted the broadcasting lines up over their heads while another three policemen formed a cordon round the announcer and the airmen. Thus thanks to the foresight to the literal arms of the law, the public had an opportunity of hearing the returned airmen broadcast their messages.

2FC and 2BL

Coming Features in the Programmes

AN ADDRESS to be delivered by the leader of the Labor Party (Mr. Scullin) will be broadcast through 2FC service on Monday, 29th October.

MISS LUCILLE BRUNTNELL, a daughter of the Chief Secretary, who has recently returned from abroad, will speak on "Impressions of State Functions in London," through 2FC on Wednesday evening, 31st October.

ON SUNDAY afternoon, 28th October, at 4, through 2BL services, appeals will be made on behalf of the Salvation Army, and for the installation of headphones at Lady Davidson Home, Turrumurra. The opportunity thus afforded of such a widespread effort in Sydney, many of which have benefited greatly through the effective medium of radio.

OCTOBER 27th, 1728, is a date to be recommended to the memory of all young Australians. On that day at the little village of Marton-in-Cleveland, near Middlesborough, England (Yorkshire), the wife of a hardworking farm laborer gave to the world one of its greatest navigators, who, some forty years later, was to place the continent of Australia definitely on the map, and join it to the increasing family of the British Empire. The course of Cook's life from his childhood up to the moment of his death in a distant land, is one of integrity, valor and service, and may well be quoted as an exemplar to the young people of Australia. Captain Fred Aarons will give a short talk on the bi-centenary of the famous explorer, on Saturday night, 27th October.

THREE WELL-KNOWN vocalists whose voices blend particularly well, are now heard on the air through 2BL service. They are Lotys Lescout, soprano, who received her musical education at the Conservatorium of Music, Sydney, and has achieved popularity, both in musical comedy and on the concert platform. Mary Neal, contralto, whose work in the "King of Kings" prologue was much appreciated, and Eleanor Stanton, a member of the Gonzalez Opera Company, who also received her early training at the N.S.W. Conservatorium.

New South Wales Broadcasting Company Limited

Coming Features of the Week

2FC Service

TALKS

2BL Service

FRIDAY, 26th OCTOBER:

7.52 p.m.—Bi-Centenary of Captain Cook's Birth.

SATURDAY, 27th OCTOBER:

10.30 p.m.—J. G. Lockley:

"Gardening."

SUNDAY, 28th OCTOBER:

6.5 p.m.—C. R. Hall: "Out and about Iraq and Persia—Persian Orchard Gardens."

MONDAY, 29th OCTOBER:

10.45 p.m.—Ruth Furst:

"Cooking."

TUESDAY, 30th OCTOBER:

9 p.m.—Freda Sternberg: "Travel."

WEDNESDAY, 31st OCTOBER:

10 p.m.—Lucille Bruntnell:

"Impressions of State Functions in London."

THURSDAY, 1st NOVEMBER:

8.40 p.m.—J. G. Lockley:

"I remember."

FRIDAY, 26th OCTOBER:

10.20 p.m.—Sports Talk.

SUNDAY, 28th OCTOBER:

4 p.m.—Hospital Appeals.

MONDAY, 29th OCTOBER:

11.30 a.m.—Electricity in the Home.

TUESDAY, 30th OCTOBER:

8.24 p.m.—Hyam Marks, Cricket.

WEDNESDAY, 31st OCTOBER:

8.53 p.m.—Sports Talk

MUSIC—COMEDY—DRAMA

FRIDAY, 26th OCTOBER:

9.10 p.m.—Vladimir Elin, Baritone.

SATURDAY, 27th OCTOBER:

8.20 p.m.—Lionel Lawson, Violinist.

SUNDAY, 28th OCTOBER:

8.35 p.m.—N.S.W. Tramway Band:

MONDAY, 29th OCTOBER:

8 p.m.—Speech by Leader of the Labor Party (Mr. Scullin), from Sydney Town Hall.

TUESDAY, 30th OCTOBER:

8 p.m.—"Rose Maiden," by Ashfield Choral Operatic Society.

WEDNESDAY, 31st OCTOBER:

9 p.m.—Estey Organ Recital by Arnold Mote.

THURSDAY, 1st NOVEMBER:

9.10 p.m.—"The Mellow Fellows."

FRIDAY, 26th OCTOBER:

9.10 p.m.—2nd and 3rd Acts of "Madame Pompadour."

SATURDAY, 27th OCTOBER:

8 p.m.—Concert Party at "Bodington."

SUNDAY, 28th OCTOBER:

8.30 p.m.—Molly de Gunst, Soprano.

MONDAY, 29th OCTOBER:

8.25 p.m.—Charles Lawrence: Entertainer.

TUESDAY, 30th OCTOBER:

9.15 p.m.—Carillon Recital.

WEDNESDAY, 31st OCTOBER:

8.20 p.m.—Sketch, "The Debutant," by Ellis Price.

THURSDAY, 1st NOVEMBER:

8.15 p.m.—"Brunette" Ladies Trio.

IT IS POSSIBLE that the usual memorial service held in London, at the Cenotaph, on Armistice Morning, will be broadcast on short waves by the short wave station of the British Broadcasting Corporation, 5SW. The time will correspond with 9.3 p.m., Sydney time, and if a rebroadcast is practicable, the New South Wales Broadcasting Company are arranging to undertake this through the services of 2BL.

THE FOUR KELLYS: These clever young instrumentalists, although only children, have earned a reputation that has made many older artists envious. Wherever they have appeared, the quartet have been given wonderful receptions. As witness of their popularity, we quote the following letter, written to the press by a Dunedin resident: "We have with us again the Four Kellys. Their welcome reappearance in our midst vividly recalls to my mind the expressions of regret uttered by many of my friends at the conclusion of their last visit to this city." Not merely in appearance, but in actual years, the Kellys are mere children—Leone, the eldest is only 14, and Daisy, the youngest, is seven. They are warm favorites with 2BL listeners, and will appear at the studio on Wednesday night, 31st October.

THE CONCERT arranged by the British Music Society to be broadcast through 2BL service on Friday night, 26th October, will provide lovers of good music with a very enjoyable evening's entertainment. An interesting programme will be offered on Friday.

IN HIS anniversary talk on Friday, 26th October, Captain Fred Aarons will speak on the ill-fated Leichhardt expedition. Carried away by the fortunate result of his expedition of two years previous, Dr. Ludwig Leichhardt, an enthusiastic but inexperienced explorer, who had achieved some success through his discoveries in unexplored Queensland, essayed to link up the discoveries of Sir Thomas Mitchell with those made on the western side of the continent, and to this end formed a party, and leaving Sydney on 26th October, 1847, reached the Condomine River, W. Queensland, on 10th December of the same year. On 3rd April following, Leichhardt sent word back from Fitzroy Downs intimating that all was well with the expedition. This letter is in the Mitchell Library, Sydney, and is the sole relic of Leichhardt's expedition, which was never seen again. Many wild conjectures have been recorded as to the fate of the party, but they have withered away under practised scrutiny.

2UW, the Popular "B" Station, to Re-open.

A New Station, broadcasting high class programmes, promises local listeners greater variety.

STATION 2UW, the popular B. class station, will be on the air again within a few days, according to statements issued by Radio Broadcasting Limited, the new proprietors.

Transmission in future will take place from Paling's Buildings, Ash Street, Sydney, where a completely new station has been installed by Amalgamated Wireless. A modern studio has been designed and erected, and a general policy in connection with the programmes to be transmitted has been defined.

Radio Broadcasting Limited announces as its purpose the building up of goodwill with the listeners throughout New South Wales by dignified presentations of outstanding entertainment. To do this the Directors of the Company are determined to provide delightful musical programmes, which will be contributed to by the latest and best gramophone records as well as by many well known and popular artists whose talent has from time to time pleased radio listeners. In addition there will be occasional short talks of a wholesome character that should prove interesting to the housewife and other occupants of the home. It is proposed also to introduce novelties and competitions at intervals, as well as other innovations in broadcasting that should materially help to extend the popularity of this Station.

The transmitting periods will be from 12.30 to 2.30, from 4.30 to 6.30, and from 7 till 10 p.m. daily from Monday to Friday inclusive, and special sessions will be arranged for Saturdays, while on Sundays the hours of broadcasting will be from 10.30 p.m. to 1 p.m., and 6.30 to 10 p.m., the main objective being to utilise those periods when the fewest number of stations are on the air. The power of the new station will be 500 watts, and the wave length 267 metres.

The business management will be in the hands of Mr. W. F. Leighton Bailey, a journalist of great experience.

The artistic development of the station, including the preparation of programmes and announcing, will be cared for by Mr. J. M. Prentice, the original "Uncle Jack" of 2BL, who is widely known in wireless circles both throughout Australia and New Zealand.

It is understood that Mr. Prentice intends to retain his "Uncle Jack" personality in connection with the

bedtime story hour, which will be delivered on original lines. The key notes of the various sessions will be brightness, charm and originality, and an effort will be made to depart as far as possible from anything of a stereotyped nature.

The directors of the Company are Mr. Walter Dibley, of Paling's, Mr. P. J. Evannett, of Minter Simpson, Ltd., and Mr. W. F. Leighton Bailey.

Getting Acquainted with Mike.

A VISIT to the studios of 2FC or 2BL will soon dispel the nervous dread the novice may entertain for the microphone in the forthcoming Radio Eisteddfod, to be conducted by the New South Wales Broadcasting Company. The broadcasting studio of to-day is a somewhat prosaic affair, pleasing to the eye, and equipped with every modern device conducive to successful broadcasting, but as far removed from the overhung and imposing effort of five years ago as it is possible to imagine.

The somewhat peremptory notice enjoining everyone to keep quiet is replaced with an indicator, electrically controlled, which flashes instructions to the performers, "come closer," "further away," "softer," "louder," etc. In the studios of 2FC service, a wise old owl sits on the announcer's table, and blinks cunningly lit eyes, to attract the attention of artists who are not paying attention to the indicator. Every microphone is fitted with a little white electric bulb, and, when this glows, the artist knows he is "on the air." There is nothing to distract, no scraping of chairs, no visible movement among the "air" audience; everything in the studio helps the artist to do his best.

One thing radio has in common with the legitimate stage and the "silver sheet" is naturalness—not necessarily the naturalness acquired with long years of experience, but just that certain ease of manner which creates a genial atmosphere in the audience, which, although it cannot be seen, can influence, and be influenced, just as powerfully through the microphone as over the footlights.

As soon as the last entry is in, on the closing date, October 19, each competitor will be advised if a preliminary test is required. The Eisteddfod committee, in conjunction with an adjudicator, will hear the competitors in the preliminary elimi-

nation tests. All will perform in front of the microphone. A certain number of these will be required for the semi-finals, and will then be heard "on the air" through both services—2BL and 2FC—between October 30th and November 24th.

No Repetition.

Listeners will not hear a number of competitors singing or performing the same item, as the programmes performed each night will consist of varied items, suitable for broadcasting. During the hour, a number of sections will be drawn upon to supply items, consisting of band numbers, three or four vocalists, radio sketches, instrumentalists, etc. No item will be heard more than once each night during the period devoted to the Eisteddfod.

New Philharmonic Conductor to Adjudicate.

Mr. Gerald Peachell, who is on his way to Sydney to take up the conductorship of the Royal Philharmonic Society, has consented to act as adjudicator in the choral, vocal and instrumental sections. Possessing a fine tenor voice, Mr. Peachell has been associated with choirs for the past twenty years, receiving the degree of Bachelor of Music in 1926. He also plays a number of musical instruments, including the viola, violin, piano and organ. His experience covers considerable judging, and work in chamber music and orchestras.

THE CONCERT, arranged by the British Musical Society, will be broadcast by 3AR on November 3rd. These concerts, which are usually a feature of Melbourne's musical season, are a feast of vocal and instrumental artistry, and a thoroughly enjoyable time is assured for all musical listeners.



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.

THE WORLD'S BEST.

Dear Sir,—May I be allowed to make some comment on the letter of K.A.S. which appeared in your last issue? He (or she) states, in effect, that the Children's programmes are superior to the evening ones. This statement says very little for adult intelligence or mature intellect, and one might surely be pardoned for asking is K.A.S. capable of appreciating a good programme? Music and singing usually form the largest part of any entertainment, and during the past few months we have heard not only some of our country's best artists, but also some of the world's best. What "better" can we have than the "best"? World travellers (including artists who know their subject) tell us that our programmes are equal to any, so that does not fault-finding appear extremely unreasonable? But, if we Australians expect this high standard to be maintained, are we not expecting the impossible of this young country? The talent is here, but not the means of perfecting it, and it is not within the realms of reason that the world's best artists are coming here for broadcast purposes, at present at any rate. Besides music and singing of every kind under the sun from the classics down, every matter or happening of interest is broadcast, and an endless variety of other items, including talks and debates on various subjects which are all interesting and instructive, and as it is "never too late to learn," what more do we want? The truth is that we have a surfeit of programmes, and curtailment, in my opinion, would mean improvement. It would cost as much for my family to get to the city to hear one high-class concert as it does for the wireless license for the whole year, and I feel sure that all fair-minded listeners will agree that the programmes far exceed what is reasonably "enough" for our money. Much dissatisfaction has also been fostered by adverse comment on gramophone recitals. We do not all possess gramophones, and through this medium of radio, we hear much of the world's musical artistry that we otherwise could not, and such comment seems unfair.

No doubt there are always items that do not appeal to all listeners. Take for instance horse-racing and wrestling. My family does not care one jot for either, so we switch on to something else. We heard one wrestling match described, and however scientific the actions may be to watch—in description they sound the limit of what is unedifying and unuplifting (if I may coin a word). Yet, even if a plebiscite were taken, we would not vote against it because of the pleasure it gives to the others of different opinions.

I think that the manager deserves the warmest praise and congratulations from all listeners for the admirable manner in which he carries out the colossal undertaking of providing two programmes daily (I refer of course to the A class) and that even fault-finders might at least give him the credit of doing his best to please all in turn. Could they do better?

I am, etc.,
A. H. C. WAY (Mrs.)

Auburn.

A FALL.

Dear Sir,—I have followed up your "Safety Valve" letters with great interest during the past twelve months, and I should like to add a few remarks concerning "The Stadium and 2BL" appearing in "W.W." of the 5/10/28, with reference to people objecting to 2BL's broadcasting. In my opinion there is no other station in Australia to equal it, as far as programmes go. I am using a three valve P1 circuit set with plug-in coils. The volume is so great I have to tone it down to its lowest. The reception is as clear as a bell, without any mushiness except on a very bad night. "Re the Stadium," I think it would be much better if the Stadium events were put into the programmes, for many a time one does not know when the events are on until one tunes in 2BL and finds they are in the middle of a wrestling match. In conclusion there will be many who will be disappointed if the stadium events are ever stopped.

Yours, etc.,

DOUBLE WRIST-LOCK.

Maryborough, Q.

NEWS AND ADS.

Dear Sir,—I wish to enter a protest in regard to the way 2FC and 2BL treat country listeners. To the great majority of country listeners especially farmers, the most interesting and the most sought after thing on the whole of the programmes is the news service. 2FC usually put over their news service at 6.43 p.m. Now I wish to say that 6.43 p.m. during the summer months is altogether too early for the great majority of farmers, as many of them at that hour are still "hard at it" (they have got to be to make a bare living). 2BL is supposed to give their news service at 7.15 p.m. but instead of giving us the news at that time, they generally give us nearly three quarters of an hour of advertising. If the management of 2BL or the people for whom they advertise heard some of the things that are said about them by many country listeners they would shrivel up like our present drought stricken pastures. There are two reasons why 2BL is so unpopular up this way—the first reason is because they do not cater for we country people at the proper time (which is any time between 7.15 p.m. and 8 p.m.). We consider that it is "over the fence" to spoil this valuable three quarters of an hour on us by cramming it full of sickening advertisements. The second reason is because most of us up this way are of the opinion that advertising over the air should be done by B class stations only.

In conclusion, Mr. Editor, I wish to say that although I have already paid over £4 in license fees, this is the first time that I have ever complained; and it will be the last time if 2FC and 2BL will for the future give we country listeners a fair go.

Yours, etc.,

Bangalow.

F. J. READING.

P.S.—I notice by this week's "W.W." (Oct. 5) that 2FC and 2BL are, once again, going to alter their times for the news service, and I wish to say that this new arrangement of theirs will certainly be more inconvenient to most country listeners than the one to which I have already referred.

Safety Valve.

(Continued)

"I HAVE MUCH PLEASURE."

Dear Sir,—In your issue of October 5, last, page 4, is a fine little piece of verse by Mr. Gunn, of Mitchell, Queensland. I have very much pleasure in supporting the suggestions outlined by Mr. Gunn, and may I also suggest—for the benefit of your paper as well as wireless in general—that the broadcast companies adhere a little closer to the programmes published by your paper each week. Also that special attention be given the weather forecasts at 9 p.m. Very often this most important portion of the programme is apparently forgotten.

Yours, etc.,

JOHN H. SKEOCH.

Dorrigo.

A MISSING TALK.

Dear Sir,—As I had informed a few friends of Dr. T. J. Henry's series of talks commencing at 9.38 p.m. from 2FC on Friday, October 5, several came to listen to their old friend and doctor. Owing to one of the party drawing my attention to the Blue Danube waltz to be played by the Collingwood Citizen's Band from 3LO at 8.32 p.m., I switched over and remained on 3LO until 9.30, when I got the reminder from several, "What about Dr. Henry?" I immediately switched to 2FC and remained there until 1.20, but failed to hear any mention of Dr. Henry, or his talk, "Around the Mandated Territory." Needless to say it was a disappointed party. Another grievance, though perhaps trivial, is the G.P.O. chimes and clock. A certain visitor here is apparently as keen on the strike of Big Ben as some of the classical songs, and it is very rare when he turns up that either the 8 or 9 p.m. strikes. I may be foolish, but I have always looked for Big Ben myself as a guide to the proper functioning of my set considering that the strike is, or should be, about the same volume after 5 p.m., allowing for a slight increase as the night draws to a close.

Now it is only a matter of a half minute or so to get the chimes and clock, so I think the Broadcasting Company could easily spare that little. Of course it would be out of the question to stop a singer or an orchestra just to hear the clock strike and then continue, but a little adjustment of starting either would overcome the difficulty.

Yours, etc.

J. GOSPER.

Grafton.

The Melody Meal

MUSIC FROM 3AR.

("Mintie.")

Dinner at night is a melody meal,
3AR sends us the tunes;
Gone are the old days when ev'ryone
heard
Nought but the clatter of spoons.

Dinner at night is a melody feast,
No one is careworn and sad;
3AR melodies float on the air,
Telling us all to be glad.

Who would remember the trials of the
day?
Who could sit frowning with care?
Nobody thinks in that worrying way,
3AR's now on the air.

It's only an ordin'ry dinner, you know,
And courses may only be few,
But who is to worry e'er trifles like
that?
When 3AR's playing for you.

Dinner at night is a melody feast,
Oh' it's a happy affair,
Magic of music has turned it to that;
3AR's now on the air.

The Wireless Doctor's Prescriptions.

BATTERY CHARGERS of the vibratory type may be prevented from causing interference by connecting a .5 mfd. fixed condenser across the vibratory contacts. If interference from internal combustion engines is unavoidable, this may be reduced by keeping all leads as short as possible, and by running the H.T. ignition cable in metallic gas tube. The engine, frame, magneto, and flexible tube, should be earthed.

WHEN WINDING inductance coils, a glove should cover the hand that holds the wire, otherwise the fingers will become chafed and sore, and poisoning may result.

ALL TOO OFTEN the radio fan neglects his speaker. If distortion results, the following points should be carefully attended to:—See that the flexible lead with a red line running through it connects to the "B" battery positive; do not work the receiver too near the oscillation point; place transformers well apart to save interaction; make certain the valves are suitable to the circuit; when using high "B" voltage, see that the correct grid bias is used; use the necessary amount of "B" voltage and no more. All these defects will cause distortion in the loud speaker.

IF A FAULT suddenly develops in your receiver, the following check should be made in the order given. Filament battery; valves; "B" battery; loudspeaker, aerial, earth, battery connections. If you are not experienced enough to effect repairs yourself, take your receiver to a reliable firm to be repaired, otherwise you may cause some damage to the components.

ONE OF MY PATIENTS writes: "Dear Doctor,—Will you, please, give me a list of the number of plates in different capacity condensers. I should like to see it in your special column, as many others would be interested."

Here they are—the approximate capacities only can be given, as size of plates vary: It is to be understood that the spacing between plates is with one-eighth washers: 85 plates, .0015; 57 plates, .001; 43 plates, .00075; 29 plates, .0005; 19 plates, .0003; 13 plates, .0002; 7 plates, .0001. When a condenser has only five plates, it is generally termed "Vernier," and is used in conjunction with some other variable condenser. Fixed condensers run as follows, assuming the dielectric to be of mica: .002 inches thickness; 7 foils, each 2 inches x 1 inch, .001 mfd.; 14 foils, same size; .002 mfds.; 21 foils, same size, .003 mfds.; 2 foils, half inch by three-quarter inch, .001 mfds.; 5 foils, half by three-quarter inches, .0003 mfds.; 3 foils, 2 inches by 1 inch, .0005 mfds.

ALUMINIUM is one of the best materials to use for shielding purposes. In addition to this material being very light, it is easy to handle. The best way to cut aluminium is with a blunt knife and a chisel. A line should be scratched across the face of the aluminium, where it is desired the cut be made, then by running the blunt knife up and down the line (resting it and guiding it by a steel rule), a deep groove should be made. Into this groove, the chisel is hammered, and when the sheet is cut, the rough edges should be filed down. For making holes in the material, a blunt instrument is better than a sharp one. When drilling aluminium, use a little lubricant, otherwise the drills become hot and break.

GRAND OPERA BARITONE FOR 5CL: Coming to Australia with the Melba Williamson Grand Opera Company, and chosen by Madame Melba to appear with her "La Boheme," is an excellent recommendation of the ability of Signar Charles Uliivi, who is coming to 5CL next month. He has been singing recently at 3LO, Melbourne, and, as his fine baritone voice lost none of its appeal through the microphone, Adelaide 5CL's audience can look forward to a great operatic treat.

3LO

Service

What's in the Air

DURING the last two days of the cricket match, England v. South Australia, on Monday and Tuesday, October 29 and 30, 3LO Melbourne will broadcast the progress scores of the match at frequent intervals.

MME. MINA HESALEVA, the distinguished continental soprano, will again be broadcasting from 3LO on Sunday, October 28, for the enjoyment of those who appreciate really good music.

LISTENERS, especially those who are romantically inclined, will enjoy the talk to be given by William Tainsh from 3LO on Hallowe'en, which, as all good Scotsmen know, falls on October 31. Hallowe'en is the night upon which young men and maidens are supposed, by observing certain rites, to have the identity of their future wives and husbands disclosed to them. Mr. Tainsh has delved deeply into the folklore of Scotland, has unearthed all the mysteries surrounding this witching hour, and all young people desirous of dipping into their matrimonial future, are invited to give Mr. Tainsh their undivided attention.

A CLEVER little one-act play, "Just as Well," from the prolific pen of Hartley Manners, will be given from 3LO on Tuesday, October 30. The characters, Hastings Troubridge and Dora Sweetmarch, are in the capable hands of Mrs. Maurice Dudley and Maurice Dudley (who is also producer), and listeners are assured of a most diverting quarter of an hour.

THE SPRING FLOWER SHOW of the Royal Horticultural Society of Victoria will be held at the Malvern Town Hall on October 25 and 26. An important feature of the exhibit is the children's section, provided for by 3LO and 3AR. This competition is open to all under the age of 18, with special prizes for junior grades. The 3LO and 3AR Shield, which is being awarded for a special display of wild flowers, is open to any school or college in Victoria, and will be retained by that school until defeated. The staging of exhibits should be ready for the judges by 12 o'clock on October 25, and further particulars may be obtained from Mr. Roy Mattingley, 8 Emily Street, Middle Brighton, S.5.

Extracts from 3LO and 3AR Programmes

3LO

SUNDAY, OCTOBER 28:

10.45 a.m.—Hospital Sunday Service from St. Paul's Cathedral.

7 p.m.—Evening Service from Independent Church.

8.38 p.m.—Auguste de Gillio, violin; Henri Penn, Piano.

MONDAY, OCTOBER 29:

3.1 p.m.—Imperial Russian Trio.

6.30 p.m.—Freda Northcote's Entertainment for Children.

9.40 p.m.—Charles Ulivi, Baritone.

TUESDAY, OCTOBER 30:

Afternoon.—Radi-o-aces: Dance Programme.

8.34 p.m.—Scots' Church Choir.

10.17 p.m.—Stewart and Lorraine.

WEDNESDAY, OCTOBER 31:

1.11 p.m.—Ida and Lorayne Wright.

8.32 p.m.—William Tainsh, Hallowe'en Story.

9.4 p.m.—Professor Berry in Li'l Old New York.

THURSDAY, NOVEMBER 1:

4.26 p.m.—Station Orchestra, "Thais" Night.—Radi-o-aces: Dance Programme.

10.36 p.m.—Mona Nugent, Soprano.

FRIDAY, NOVEMBER 2:

3.2 p.m.—Frances Fraser, "Gone Astray."

9.44 p.m.—Eric Welch, "To-morrow's Races."

9.54 p.m.—Andrew Whitelaw, Tenor.

SATURDAY, NOVEMBER 3:

Afternoon.—Description of V.R.C. Races by Eric Welch.

Afternoon.—Cricket, England v. Victoria, description by Rod McGregor.

8.50 p.m.—Stadium Event, described by Eric Welch.

3AR

SUNDAY, OCTOBER 28:

11 a.m.—Morning service from Collins-street Baptist Church.

8.15 p.m.—Donian Quartette.

8.39 p.m.—J. Howlett Ross: "Great Australians."

MONDAY, OCTOBER 29:

11.37 a.m.—Bernard Thomas, tenor. Night.—Radi-o-Aces' dance programme.

9.3 p.m.—French Brothers, banjoists.

TUESDAY, OCTOBER 30:

11 a.m.—Sonora recital.

8.15 p.m.—A. W. Jackson: Golf.

8.30 p.m.—"Maritana."

WEDNESDAY, OCTOBER 31:

11.37 a.m.—Marjory Kuring, soprano.

9.31 p.m.—Mabel Nelson: Pianoforte recital.

10.17 p.m.—Bessie Banks, soprano.

THURSDAY, NOVEMBER 1:

11.54 a.m.—Jean Lewis, contralto.

2 p.m.—Cricket description, England v. Victoria, by Rod McGregor.

8.30 p.m.—Presentation of "Orpheus" by Gluck.

FRIDAY, NOVEMBER 2:

2 p.m.—Ball for hall description of cricket, England v. Victoria.

8.15 p.m.—Community singing at Malvern.

10.30 p.m.—Vera Buck, piano.

SATURDAY, NOVEMBER 3:

8.15 p.m.—Tom Foster, tenor.

8.30 p.m.—Schubert Centenary Concert.

10.10 p.m.—Organ recital from St. Peter's Church.

A PERFORMANCE of Ferdinand Hillier's sacred cantata, "Song of Victory," will be broadcast by 3LO from Scots Church, under the direction of Mansley Greer on October 20. Assisting artists will be Annie Cadell (soprano), Madame Gregor Wood (contralto), Wm. Davey (tenor), and Leslie Faull (bass). The choir is under the direction of Mansley Greer, who will also preside at the organ.

A PROGRAMME of typically English music will be given from 3LO on October 29, when gems from the works of Sullivan will be rendered by the Station Orchestra, under the direction of Mr. Fred Hall. Many familiar melodies are included in this selection, among which may be mentioned "Poor Wandering One," "A Wandering Minstrel I," and the ever green "Take a Pair of Sparkling Eyes."

MR. HAROLD BROWNING, who has an enviable reputation as a vocalist on both sides of the Atlantic, will give a recital of British folk songs from 3LO on October 29. Mr. Browning is recognised as being a master of interpretation, and, as he is prefacing each song with a few explanatory remarks regarding its origin, the recital promises to be of more than usual interest.

CONTINUING his bright and entertaining talks from 3LO on "America and the Americans," Professor J. A. Berry, of the Melbourne University, will give a further discourse on "The Stranger Ventures Abroad in New York City." Apart from the humorous aspect of this popular series, there is some very real information tucked away in unexpected corners, and Professor Berry, who apparently knows his New York "like a book," proves an admirable raconteur.

ON FRIDAY night, November 2, and again on Saturday morning, November 3, Eric Welch, 3LO's Special Sporting Commissioner, will broadcast selections for the first day of the V.R.C. Spring Meeting. On the Friday night Mr. Welch will devote himself generally to the histories of such races as the Victoria Derby and the Melbourne Stakes, and their relation to the Melbourne Cup, which will be run on the following Tuesday.

AT THREE O'CLOCK on the afternoon of October 30 final acceptances for the V.R.C. Cantala Stakes and for the Melbourne Cup will be declared. Arrangements have been made by 3LO Melbourne to broadcast these acceptances at a quarter past five o'clock on that afternoon.

AFTER THE RACING on Derby Day at Flemington, weights for the minor races on Melbourne Cup day will be available, and acceptances for those races will be declared at 8 o'clock on Derby night. In view of the fact that there will be such a great deal of interest in the racing on Melbourne Cup day, 3LO Melbourne has made arrangements to broadcast the acceptances and barrier positions at a quarter to nine o'clock on that night.

COMMENCING on Thursday, November 1, the visiting English Eleven will play a match against Victoria at the Melbourne Cricket Ground. The descriptions of the match will be handled by 3AR on the Thursday and Friday, but 3LO will broadcast the descriptions on the Saturday. Rod McGregor will describe the match almost ball for ball, breaks being made to enable descriptions of the racing at Flemington to be given.

SATURDAY, November 3, will be a great day for racing folk, as on that day the Victoria Racing Club will open its spring meeting. As the Melbourne Cup will be run at that meeting the significance of the meeting will be readily understood. The Melbourne Cup will not be run until the Tuesday, but on the Saturday there is a feast of good racing and great interest will be taken in the Maribyrnong Plate, Victoria Derby, Melbourne Stakes, Cantala Stakes and Hotham Handicap. In three of those races it can be expected that the majority of the cup horses will be seen in action, and, it is on the form on that day, that the majority of racegoers will summarise the prospects in the Melbourne Cup. In the Victoria Derby it is expected that Prince Humphrey and Mollison will stage their A.J.C. Derby fight over again, and in the Melbourne Stakes the weight for age cracks, such as Winalot, Gothic, Amounis, Vaala, and others should provide a great race. Descriptions of all of the races will be broadcast by 3LO Melbourne, Eric Welch, 3LO's Special Sporting Commissioner, having been entrusted with the task of doing the descriptions.

FINAL ARRANGEMENTS have now been completed by 3AR to broadcast the welcome home, which is being accorded to Archbishop Lees, at the Chapter House, St. Paul's Cathedral, on October 31. This event is of great importance to a wide circle of listeners, who will doubtless be glad to avail themselves of this opportunity of being present "in spirit" at so distinguished a gathering.

Melba to Broadcast.

3AR has completed arrangements to broadcast the concert which is being given by Dame Nellie Melba, on October 27, to aid the fund for limbless soldiers. Many country people, who have been waiting to hear Melba for years, and who have despaired of ever having their wish granted, will now, through the medium of wireless, have an opportunity of gratifying their desire.

3AR Notes

FOR THE BENEFIT of country people, who may not find it convenient to listen to the resume of sporting results given by 3AR each Saturday, at 10.50 p.m., these will also be broadcast at 8 o'clock, thus affording everyone an opportunity of hearing the official sporting results of the day.

THE EVER-WELCOME Donian Quartette, with a budget of popular numbers, will be heard from 3AR on October 28. A pleasing feature of the "Donians" is the distinctive touch that marks all their work, and they are equally at home in their original settings of such popular numbers as "Blue Skies," or the more exacting old English airs.

BERNARD THOMAS will be again broadcasting from 3AR on October 29th. After many years of vocal success to his credit, as one of the principal soloists of the Fiske Jubilee Singers, he was connected with the Sydney Philharmonic Society, and, in addition to doing much oratorio work, was selected to sing the difficult solos, in their performances of Coleridge Taylor's "Hiawatha."

MAJOR P. C. WREN, the famous author of "Beau Ideal," has presented a further twenty copies of this book to 3AR, to be distributed among listeners. All that is necessary to secure a copy is for competitors to send their name and address, together with the number of the license of the wireless set on which they usually tune in. Listeners are reminded that the closing date of this competition is October 31; the drawing will take place at 12 noon, and all entries must be in the studio by that time.

2BL Artists Unite to Entertain Hospital

2BL ARTISTS have collaborated in a united effort to entertain the inmates of "Bodington," Wentworth Falls, on the evening of Saturday, 27th October. Charles Lawrence is going, and will probably constitute himself Master of Ceremonies, ably seconded by Wally Baynes. W. E. Lewis, Dorrie Ward and Mildred Nicoll complete the gay band, who are looking forward with as much pleasure to their trip as the patients are to receiving them. "Bodington" is situated 2844 feet above sea level, and has accommodation for one hundred patients. In the beginning of October there were 89 patients in residence, nearly fifty per cent. of whom are treated entirely free. This is one of the few "Community" hospitals in the State, and is conducted on the lines of community hospitals in America. Civilian patients are accepted "free," "partly paying" and "fully paying," according to their ability to contribute towards their upkeep. This system has been specially commended by the Minister of Health (Dr. R. Arthur, M.L.A.), and the secretary of the Royal Prince Alfred Hospital (Mr. William Epps) who recently visited America. "Most patients," explained Mr. Pitt, superintendent of the Red Cross Society, "are required to stay in hospital at least six months. Many stay much longer—even up to two years. Prolonged hospital life becomes monotonous, hence the necessity for provision for amusement and recreation." Probably no hospital in the State provides more facilities for amusement and recreation. There are three large billiard tables, a concert hall with stage, cinema machine (motion picture programme weekly), a library, tennis court, croquet lawn, gramophones, etc. A modern wireless installation with headphones to each bed is about to be installed. "But it doesn't come up to the 2BL concert party," said one of the patients gaily, the happy remembrance of the previous visit still vividly in mind.

STUART BOOTH, of Denver, is to lecture at the Grand Opera House on Sunday afternoon, 28th October, and the whole of the address will be broadcast through 2FC service. Mr. Booth is an outstanding figure in the world of Christian Science. A brilliant speaker, the subject he has undertaken on Sunday should provide a very interesting afternoon to many listeners.

Old-Time Dance Numbers Popular at 5CL.

Some News and Notes on Coming Features at the Popular Adelaide Station. Further Old-time Dance Programmes.

OLD-TIME DANCE NIGHT Again! When the first old-time dance programme was broadcast by 5CL, some two months ago, it came as a most pleasant surprise to the majority of South Australian listeners, who had not previously heard the old-time dance music broadcast from 3LO. The overwhelming number of appreciative messages and inquiries which reached the studio were indicative of its popularity, and several successful old-time relays have since been broadcast. There is no doubt that these old-time dance nights are easily the most popular feature in the programmes, and the secret of their popularity lies, not only in the memories which they awake, but in the cheery voice of the M.C. at 3LO, and in the joyous atmosphere which even finds its way through the microphone to the loud-speakers all over Australia. The next relay by 5CL of 3LO's Old-Time Dance Night will occur on Tuesday, October 23rd, when the dance music will be provided, as before, by Hoffman's Dance Band. Old-time choruses will again vary the dancing, and Madame Elsy Treweek, operatic soprano, who is making her farewell appearance at 3LO on this night, will be heard in such favorites as "The Last Rose of Summer" and "Annie Laurie." Listeners in country towns, who are arranging dances, are requested to notify 5CL, in order that their dance may be given a call. Dance cards, giving the figures for all the old-time dances, may be procured by forwarding a one penny stamp for postage to 5CL, Franklin Street, Adelaide.

PRINCIPAL KIEK'S TALKS: One of the most popular speakers at 5CL is the well-known Principal of Parkin College, Rev. E. S. Kiek, M.A., B.D., who has been giving a most interesting series of talks from 5CL on Wednesday evenings, on Greek thinkers, which he concluded with a fine discussion on Marcus Aurelius, "A Philosopher who ruled the world." On October 24th, he will give the first of three talks, on the ancient mystery religions, in "The Mysteries of Eleusis." At the conclusion of these talks, Rev. Kiek will begin a series of popular talks on British history, dealing with phases which he believes will be of interest to Australian listeners.

MOLLY MACKAY TO SING AT 5CL: Miss Molly Mackay, the young Australian soprano, from whom so much is expected, will shortly be delighting listeners to 5CL with her well rendered numbers. She is a Warrnambool girl, who had the good fortune to appear at a local concert, when the popular tenor, Walter Kirby, was a visiting artist. Mr. Kirby immediately took Miss Mackay under his artistic wing, and, under his guidance, she has rapidly come to the fore-front of her profession.

JAMES McCARTIN, the young Adelaide college boy, will appear in the concert being arranged by the 5CL Twinkler Boys' Club for the rally in connection with Boy Week at the Exhibition Building. This is to be broadcast on Thursday, October 25.

MURRAY BRIDGE ACCEPTANCES FROM 5CL: Acceptances for the race meeting at Murray Bridge on Saturday, October 27, will be declared on Monday, October 22nd, at 8 p.m., and will be broadcast by 5CL at 10.15 p.m. on the same evening.

Try Tuning 7ZL for these Features

PUBLIC SCHOOL SPORTS: 7ZL is making special arrangements for all public school sports during the coming season, and it will start off with the athletic meeting on Wednesday, October 31. On the following Saturday it will devote its attention to the Hutchins College-St. Virgil's and Friend's High School-Clemes College cricket matches.

ADVICE FOR MOTHERS: Much helpful advice for young mothers is given by the Child Welfare Association during its talks from 7ZL every Thursday afternoon. The subject for November 1, is "Why does the baby cry?"

"FIVE BIRDS IN A CAGE": A reading of the one-act play, "Five Birds in a Cage," by Gertrude Jennings, will be given from 7ZL on November 1.

BOYS' CONCERT: The concert by pupils of the Kennerley Boys' Home has had to be postponed on account of the alterations in the Prime Minister's Tasmanian itinerary, and will now be given from 7ZL on November 2.

BIG CRICKET: Mr. A. M. O'Leary, the well-known Tasmanian umpire, will speak from 7ZL on November 2, on the first day's play of the match between England and Victoria. Mr. O'Leary's services have been secured for the cricket season, and he will give commentaries each week, and, of course, he will describe the matches between England and Tasmania at Hobart and Launceston in January.

AXEMAN'S CARNIVAL: Arrangements have been made by 7ZL to give the results of the big Axeman's Carnival to be held at Ulverstone on November 3.

WIRELESS FOR THE SICK.—The appeal inaugurated by 7ZL and the Hobart "Mercury" to raise funds for the installation of a wireless set at the public hospital has met with a most gratifying response from all quarters and classes. Billiard saloons, factory employees, business people, and even the newsboys are sending in their contributions, and by the time the appeal closes the fund should be a very substantial one. It has been arranged that one of the hospital nurses shall be in charge of a special stall at the Hobart show, and people who have forgotten to send in their donation will be able to do so there without any trouble. Amongst the speakers during the coming week on behalf of the appeal will be Miss Margaret O'Grady, daughter of the Governor, on October 30; Mr. H. C. Lovett, President of the Commercial Travellers' Association, October 31; Mr. H. H. Cummins, President of the Hobart Rotary Club, November 1; Mr. W. H. Cummins, General Manager of the "Mercury," November 2.

SUNDAY SCHOOL ANNIVERSARY.—The anniversary services of the Swan-street (Hobart) Sunday School Anniversary Service, on October 28, will be broadcast by 7ZL. The preacher will be Rev. E. B. Bond, and there will be a children's choir of 250 voices.

HOW TO VOTE.—There should be no excuse for listeners to 7ZL if they fail to vote or do not register their votes correctly at the forthcoming Federal elections, for Mr. L. Ainsworth, Divisional Returning Officer for Denison, is to give a series of talks on voting. His first, on October 29, will be, "How to record your postal vote."

SYDNEY,
25 New Royal
Arcade,
Near Palace
Theatre.
'Phone M6138.

THESE VALVES

NEWCASTLE
13 Union St.,
off Hunter St.
West.
'Phone,
New. 1622.



UX201A, 5/6

*will give you more satisfaction—
and cost you less!*

The "ECONOTRON" will Last Longer.

6 volt series : General Purpose, 5/6 ; Super Detector, 13/6 ; R. Freq., 9/9

4 volt series : General Purpose, .06 amp., UX199, UV199, LB199 - 6/9

Buy Econotrons and have no regrets.

"The Selective Three"

A set described in this issue is ideal for those living near the Broadcasting Stations. Here is a set of tried and guaranteed parts:—

	£	s.	d.
1 Genuine Polished Radion Panel, 21 x 7 x 3-16 ..	0	12	3
1 Best Quality 5-ply Baseboard, 20 x 8 x $\frac{3}{4}$	0	2	3
2 Late Model Pilot Centraline Condensers, .0005, 14/6 1	9	0	
1 Late Model Pilot Centraline Condenser, .00035 ...	0	13	6
1 Pilot Art Vernier Dial	0	7	6
2 Mignon Super Tone (weight 2lbs.) Transformers, at 21/-	2	2	0
1 Pollock 1000 Turn Super Radio Frequency Choke	0	5	6
1 Genuine Radion Former, 2in. diameter, 3in. long .	0	2	0
1 $\frac{1}{2}$ lb. Reel 28 Double Silk Wire	0	4	2
1 Wetless .00025 Grid Condenser	0	1	9
1 Philmore 2 Megohm Gridleak	0	1	0
3 Brachstats to Suit Valves, at 4/9	0	14	3
1 Pilot High Grade Toggle Switch	0	2	9
1 B.M.S. Single Circuit Fantail Jack	0	1	7
4 E.C.S. Plugs and Sockets, at 5d.	0	1	8
3 A.W.A. Anti-vibration Valve Sockets, at 3/- ...	0	9	0
10 Bakelite Topped Engraved Terminals, at 3d. ...	0	2	6
2 Bakelite Arrow Knobs, at 1/-	0	2	0
1 1lb. Reel 16 gauge Tinned Copper Wire	0	2	3

Total Cost ... £7/16/11

"Yours for Lower Prices and Service that Satisfies."

THE ECONOMIC RADIO STORES,

SYDNEY—NEWCASTLE—PARRAMATTA—ORANGE

Address Mail Orders, 492 George Street, Sydney.

COUNTRY CLIENTS.—Our parts are absolutely guaranteed to give satisfaction. Send your orders to us conditionally that your money is refunded if you are not satisfied with the goods upon receipt of same. Goods must be returned to us within ten days. We Pay Carriage on All Orders of 10/- and over. Valves and goods specially procured, cannot be exchanged. Terms Cash, No discounts.

Box Cone Loud
Speakers.
While They Last.
Price 10/-

Aluminium
Screening
Materials.
18G. Cut True and
Flat.
12 x 7 1/6
27 x 7 3/4
26 x 12 5/6

If a Crescent
Transformer
should burn out
within one year,
we will replace,
Free of Charge.

Crescent Audio
Transformers.
6 to 1 13/6
3½ to 1 13/6

Orange:
120A Summer
Street.
'Phone:
Orange 735.

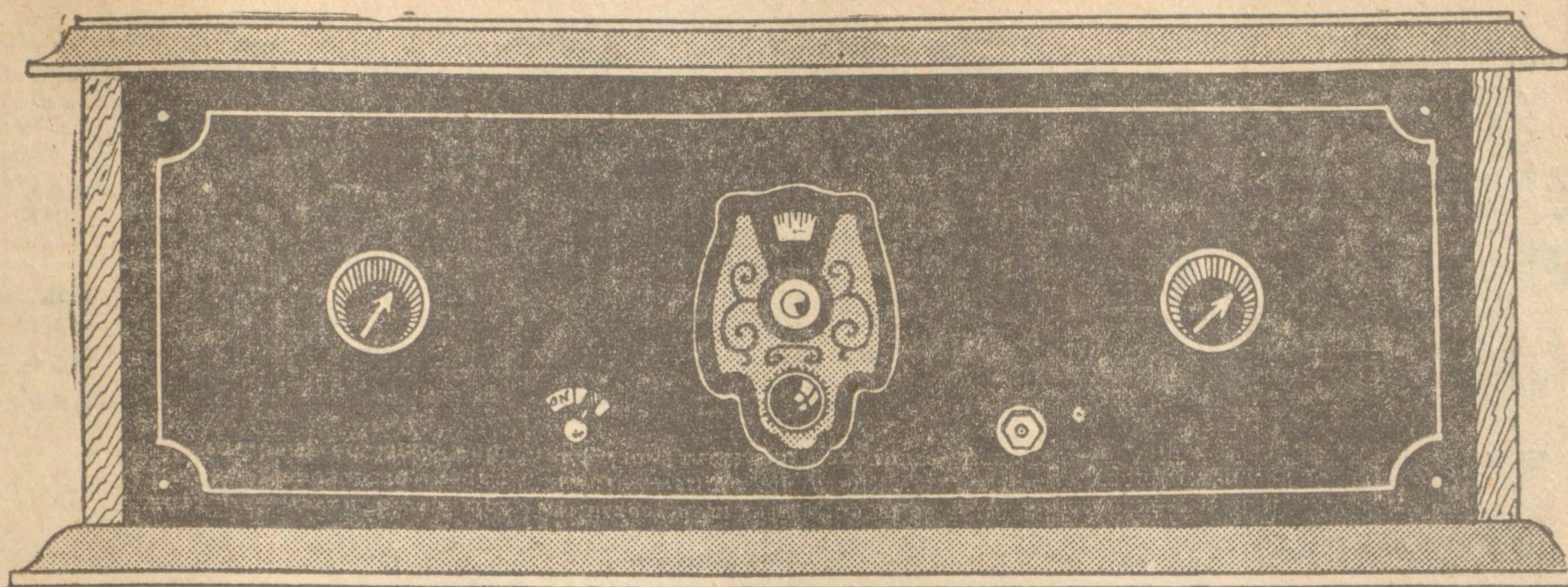
Ferranti
Transformers.
AF3 45/-
AF4 34/-

Throw Those B.
Batteries Away.
The New
B'liminator Kit.
Price 59/6

Those Short
Waves.
The Karas Micro-
metric Dial.
63 to 1 17/6

Pilot Condensers.
.00015 11/3
.00025 12/-
.00035 13/6
.0005 14/6

Parramatta,
Cnr. Church &
Macquarie St.,
'Phone:
UW9601.



The Selective Three.

A Set for those who suffer from Interference from Telegraphy Signals.

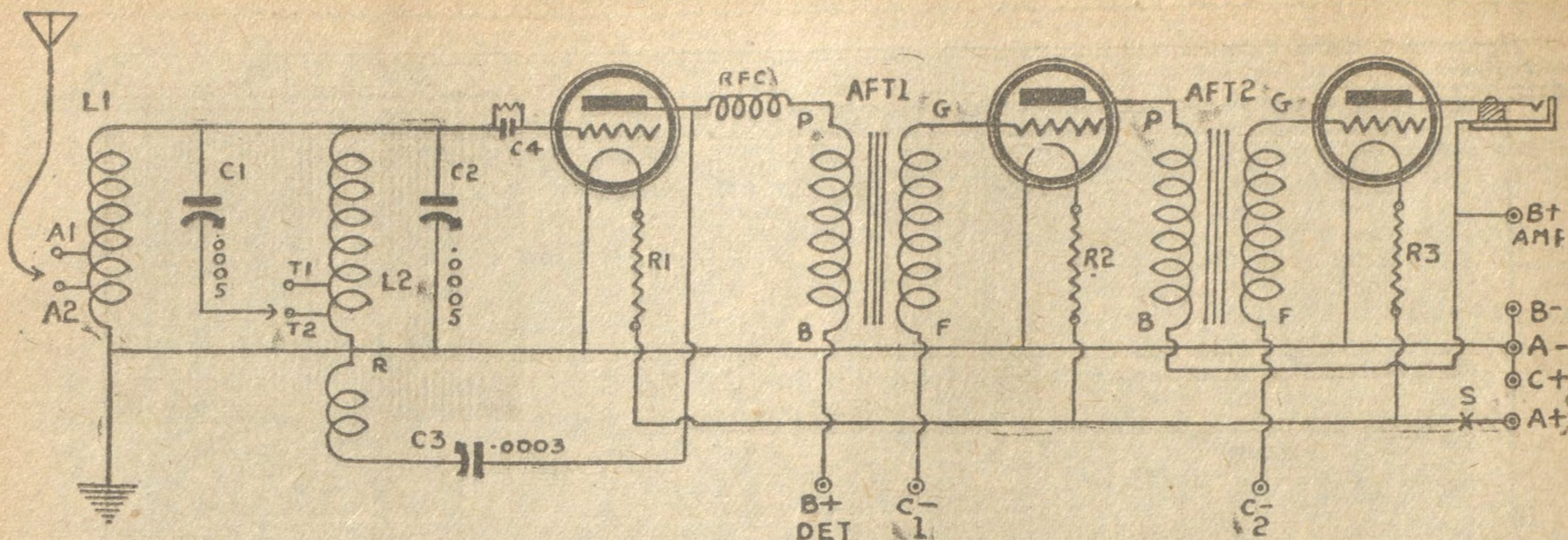
THERE is an enormous number of wireless constructors and listeners throughout Australia who use fairly simple sets, such as the Reinartz or old Reliable Three circuit tuner. They are mostly of the same opinion—that the old Reinartz will take a lot of beating for good results, with a minimum of trouble, etc., etc.—and they are not far wrong. The beginner who progresses swiftly in his knowledge of wireless receivers and the method of using them is he who starts at an easy beginning and builds a crystal set;—next learning how to use a valve as an audio amplifier. He learns more quickly than the constructor to whom diagrams and symbols are like so much Chinese—yet essays to attempt the building of some complicated “Super R.F.” set without any essential knowledge. If the valves do not expire when he switches on, it is a certainty that some other trouble will exist, and tuning may be broad, distorted or not at all. If his receiving location is perilously near to a powerful local broadcaster—then, if the set works, the near-by station may make its presence known by spreading itself all over the tuning range to the exclusion of all else. If Mr. Beginner had started with a conventional and simple Reinartz type of set—such as the Improved Reinartz Three recently described—he would have been far better off. It is surprising just how selective an ordinary Reinartz circuit may be made without any loss in signal strength or distance capabili-

LIST OF PARTS FOR THE SELECTIVE THREE.

- 1-Bakelite or hard rubber panel 21 x 7 x 3-16in.
- 1-Baseboard 20 x 8 x 1/2in.
- 2-Pilot or JB SLF variable condensers .0005 mfd.
- 1-Pilot or JB SLF variable condenser .0003 mfd.
- 1-Pilot or Emmco VELMO Vernier dial.
- 2-Ferranti AF4 audio transformers.
- 1-Radiokes RF choke.
- 2-Bakelite formers, 2in. diameter, 3in. long,
- Or 1 Radiokes Screened Antenna coupler and 1 Radiokes Screened Reinartz coil.
- 18 oz. reel 28 D.S.C. copper wire.
- 1-Wetless .00025 grid condenser, with clips.
- 1-2 meg. Mullard grid leak.
- 3-Amperite or Brachstats.
- 1-Battery switch.
- 1-Single circuit jack.
- 4-Ecks sockets.
- 2-Ecks plugs.
- 3-Emmco or A.W.A. anti-vibration UX valve sockets.
- 10-Terminals.
- 2-Bakelite knobs for standard condenser spindles.
- Wiring used—Chromax.
- Valves recommended—Mullard PM5 and two PM6's, or 1 Philips A415 and 2 B406.

ties. Even so, we have a number of listeners who live on the water's edge and find that, while the normal selectivity is good, yet, on occasions, a powerful telegraphy signal will suddenly burst through and ruin reception. Ships of all nations and classes daily ply their trade around our coasts, and in most of the smaller ships, the “spark” system of telegraphic communication is used. It would do no good to agitate for the abolition of this system, communication between ships and shore is of vital importance, and the “spark” system must stay for many reasons.

The programmes on the broadcast band of wavelengths from 200 to 500 metres are often seriously interfered with by the “spark” transmission from ships, and more so when a highly sensitive receiver is being used. The coast stations themselves often interfere a little—but mostly because of radiated harmonics setting up a beat note with the carrier wave of the broadcasting station. As stated before, the “spark” and interrupted continuous wave systems are important, so that to remedy the trouble, the best way is to tackle the receiver. Spark transmission is notoriously broad—which is essential in times of distress. A few words on the nature of the system will be of interest to those who are not conversant. A spark station operates fundamentally by the charging of a condenser to a very high potential. This charge overcomes the air resistance of a spark gap and the discharge takes place through a coil.



The current is then in an oscillatory condition, but the spark itself has a high resistance so that the oscillations are quickly damped out.

Spark transmission is thus technically referred to as "Damped" transmission. A transmission of this nature will cause extensive interference. The tuning is broad and gives a shock effect to the aerial system which puts the receiver into oscillation. The oscillation takes place at the frequency of the receiving aerial irrespective of the wavelength of the spark transmitter. We have known through long years of wireless reception that a loosely coupled circuit for the aerial system is one of the best remedies against interference by spark transmitters. Some of our old receivers, used before telephony broadcasting was established, used a tuned aerial circuit which was very loosely coupled to the tuned secondary circuit. Those receivers were used for what was our only delight—to listen to 600 metre spark transmissions, and in comparison to most straight out detector type broadcast receivers, a fair degree of selectivity was obtainable. It is possible to incorporate these features in an every-day set, and the Selective Three, as described here, should fill the need of many.

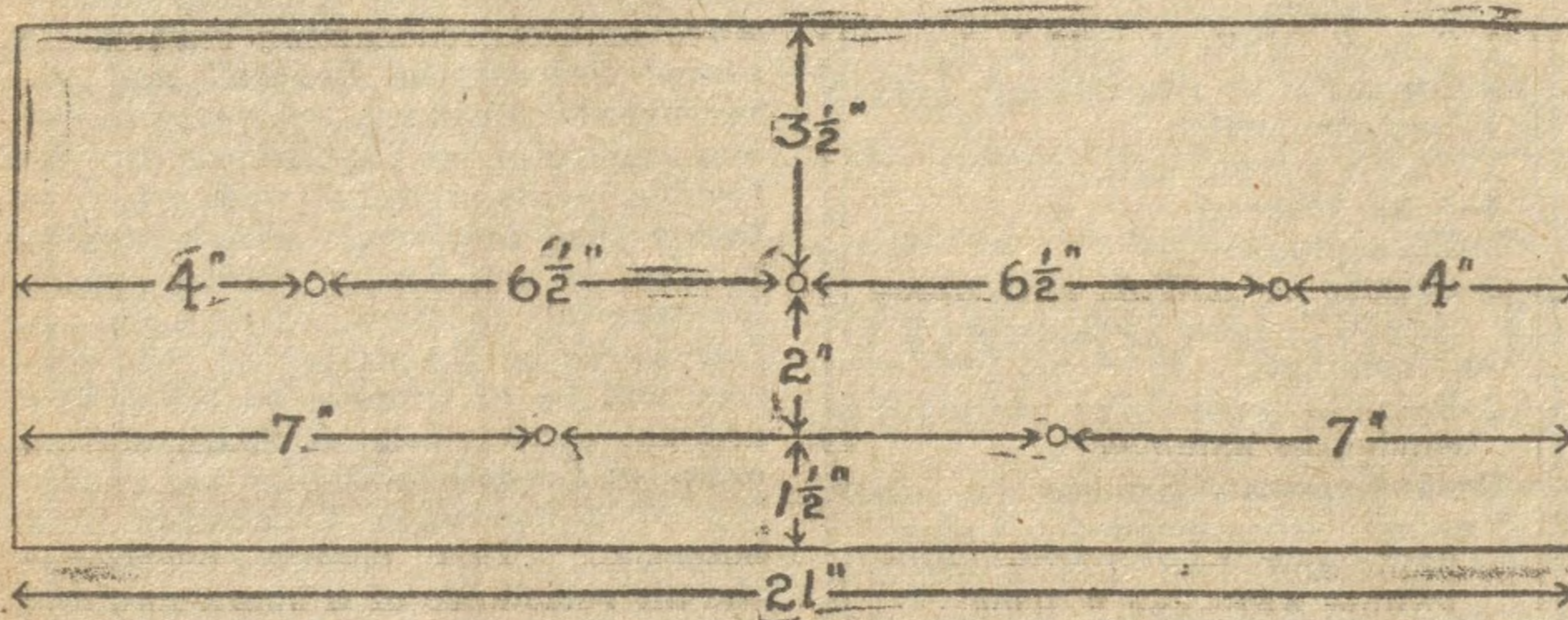
A little care will enable a lot to be done with this receiver, but the arrangement of the lay-out must be

strictly followed. Naturally, an extra tuning control is necessary, but both tune quite sharply if the coupling between the two circuits is kept loose enough to be effective. If the reader possesses a double gang condenser unit, there is no reason why this should not be pressed into service for the control of the circuits. Separate condensers are shown in the arrangement of the Selective Three, but if the inductance and capacity combinations match well no difficulty will be found in tuning. The coupling between the two circuits must be kept weak, as otherwise the tuning will suffer from what is termed the "double hump" effect. For this reason the two inductances are mounted at right angles to each other. Figures (a) and (b) show respectively the single tuning peak and the "double hump" respectively. Tight coupling—or inter-action—will produce the effect shown at (b). This means that the resonance curve between the two inductances will show two maximum points, with a dip or hollow between. The coupling by means of the variable tapping from C1 has the effect of controlling the resonance between the two circuits, and thus allows a selection of the desired point. If desired, the Radiokes Screened Antenna Coupler and Radiokes Screened Reinartz Coil may be used in place of the two inductances specified—and the metal

screening does away with the necessity for placing the coils at right angles. Specifications are given for the home-made coils, as the original ones used in the Selective Three were similar and unscreened. The screening of the coils undoubtedly sets up a little damping in the circuit, but the addition of reaction compensates for this.

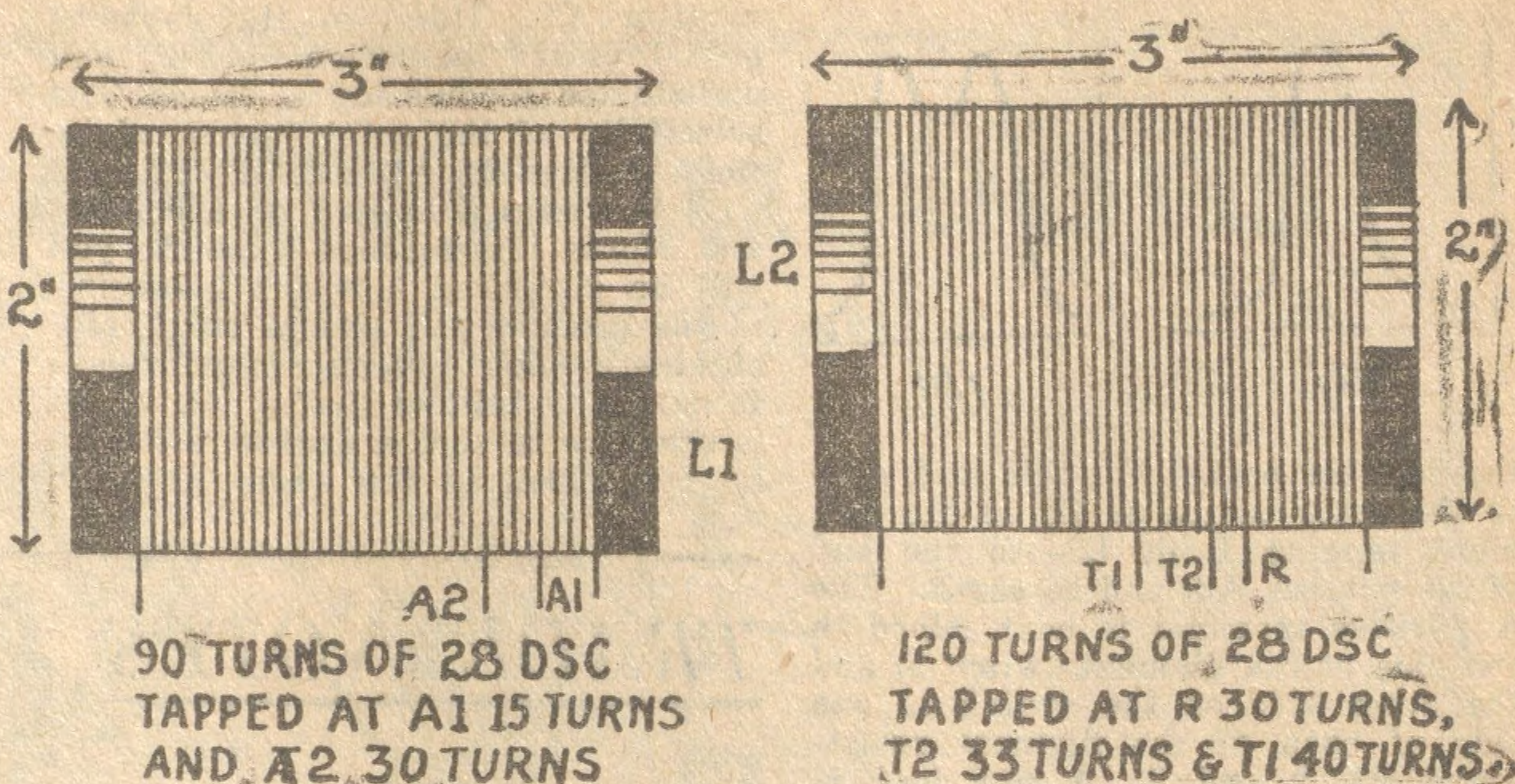
A Radiokes radio-frequency choke in the plate circuit of the detector valve serves to keep R.F. oscillations from passing to the audio amplifier. The exclusion of a radio-frequency choke here might cause such trouble as howling and instability. The reaction control in the Selective Three is of the Reinartz type. Use is made of the continuation winding on the secondary inductance in the usual way by connecting one end of the winding to the filament and the other to the plate of the detector valve through a .0003 mfd. variable condenser. This form of reaction is very smooth and efficient. As this circuit, if "forced" on the reaction control, is a potential "low power transmitter"—care should be taken to ensure that reaction is used judiciously and that no interference is caused to other listeners in the vicinity. The audio amplifier is transformer coupled and makes use of the Ferranti AF4 transformers in both stages.

The three variable condensers, C1, C2 and C3, are of the new Pilot type. These condensers have removable spindles, so that if the constructor wishes to gang C1 and C2 they are well suited for this. C2, the only actual tuning control, is driven by a Pilot art dial in the centre of the panel. C1 and C3 have just a plain knob for the control. This arrangement simplifies the appearance of the set, as there is no actual need for calibrated dials for C1 and C3. A Bakelite or hard rubber panel, measuring 21in. x 7in. x 3-16in., is used with a baseboard 20in. x 8in. x 1/4in. First drill the panel at the bottom to



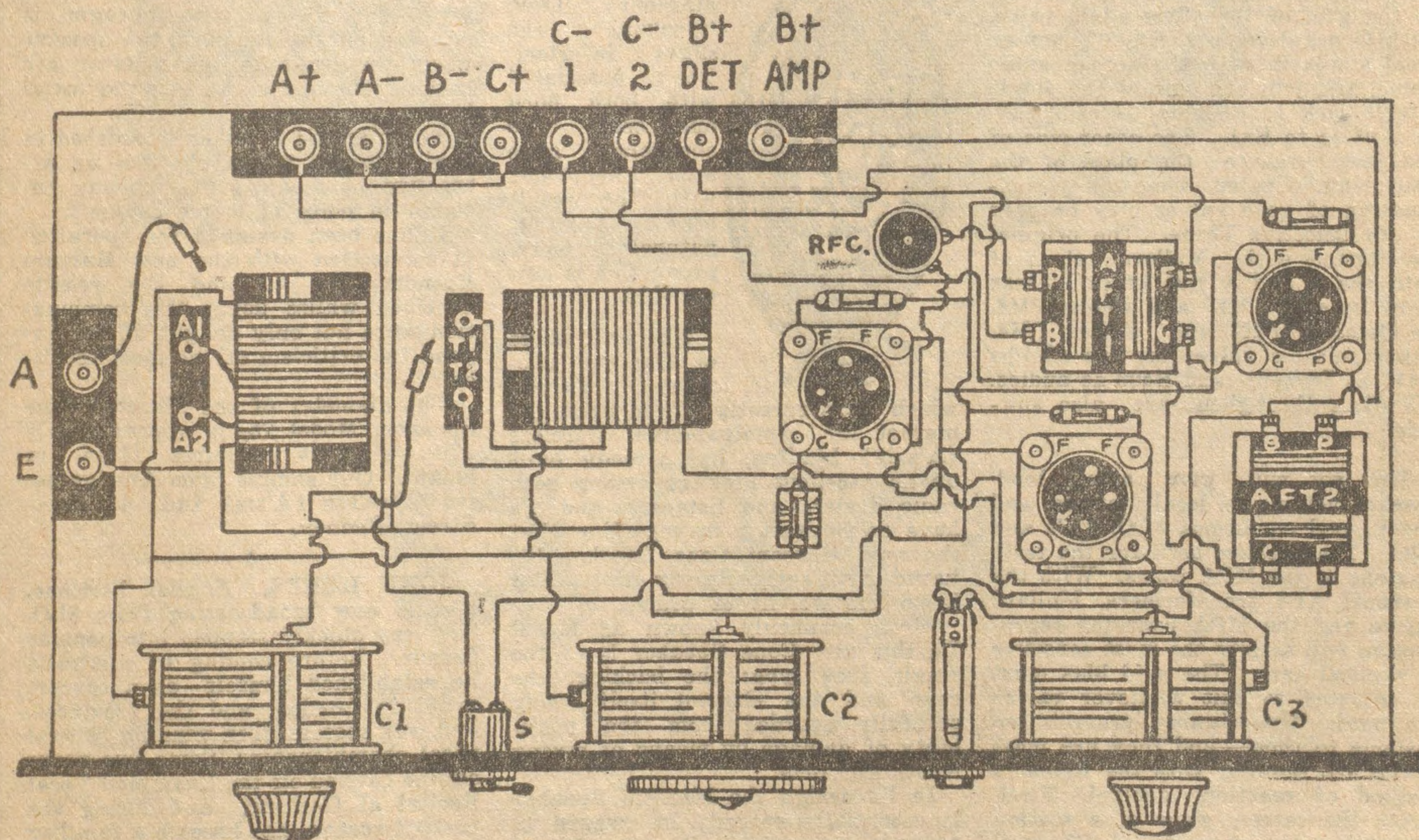
take four countersunk headed nickel wood-screws, and then screw it to the baseboard. Lay the panel down on the bench, with the baseboard over the front edge, and mark off the positions from the drilling diagram as shown.

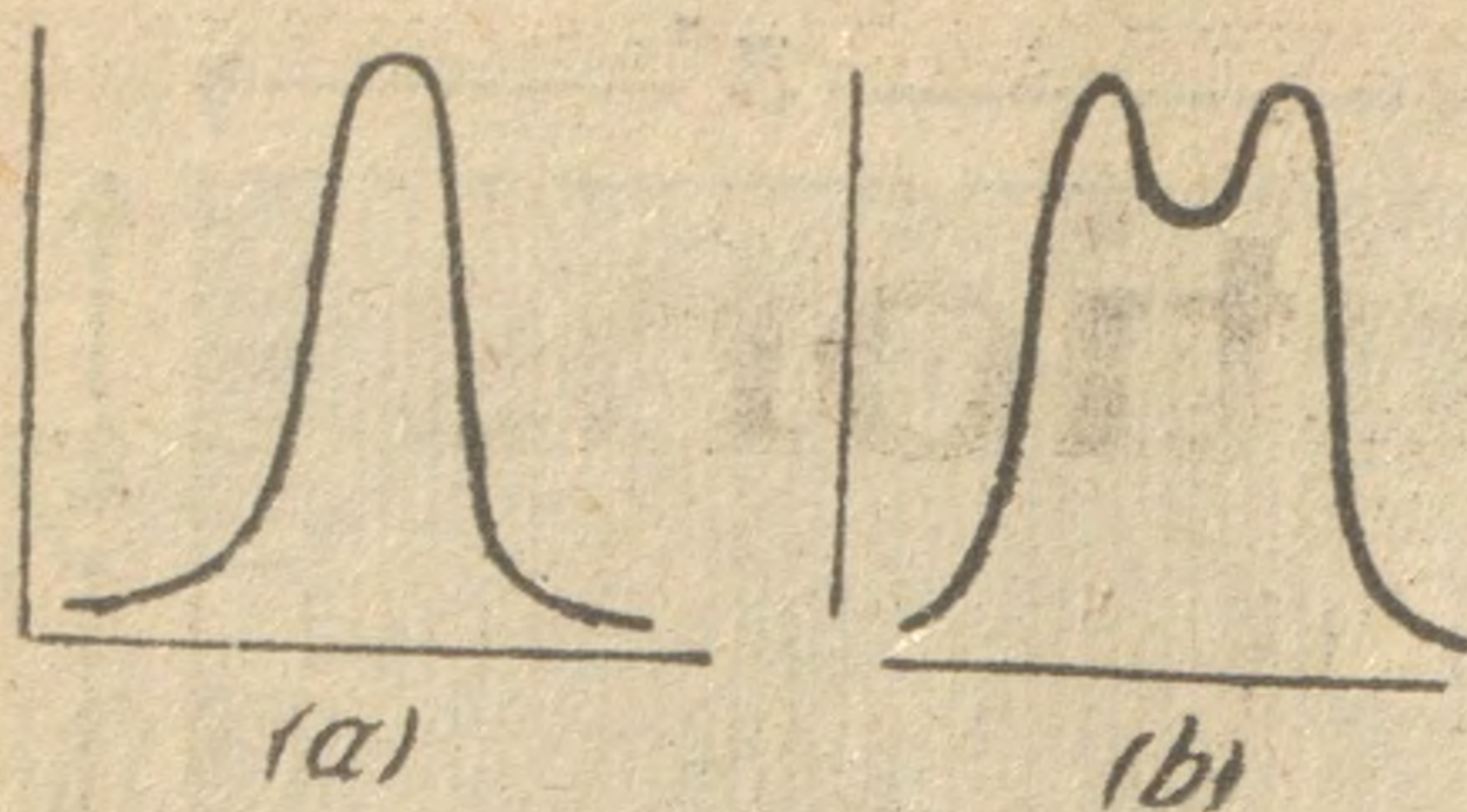
The construction of the coil units next requires attention. These are very simply made, consisting of straight windings, with the requisite tappings. The coil units are wound on Bakelite formers, 2in. in diameter by 3in. long. L1 is wound with 90 turns of 28 D.S.C., and is tapped at 15 turns for A1 and 30 turns for A2. L2 has a total of 120 turns of 28 D.S.C., and is tapped at the 30th turn for R—the filament return connection, A Tapping T2 is taken 3 turns from R on the secondary and another T1, 10 turns from R. There are 7 turns between T1 and T2. The coils are close wound and small loops twisted at the points for the tappings. When the windings are complete, treat the completed units with Collodium solution, which will hold the turns securely in position and will protect the coils from moisture. Small angle brackets are then screwed to the ends of the formers as indicated, to hold the coils horizontally to the baseboard. The back of panel view shows how the component parts are laid out. Mount the panel components first, as by so doing you will have a good idea of the correct spacing of the parts on the baseboard. L1 is mounted behind



C1, as shown, with L2 about 6in. to the left and at right angles. Two small strips of Bakelite, carrying sockets for the tappings from the coils, are placed alongside each coil, and a short length of flex wire with a corresponding plug allows a variation for the best position. Each of the three valves is controlled for filament temperature by an Amperite or Brachstat resistance. The audio amplifier is of the usual dual stage transformer coupled type, with separate grid biasing for each stage. The wiring of the Selective Three was done by the use of Chromax wire. This Chromax wire is obtainable

from most dealers in boxes containing coloured coils. It consists of No. 16's tinned copper, provided with an insulating covering. The covering is easily removable, where required for soldering, by the use of a pocket knife blade—and the provision of a wide range of colours allows an easy identification of circuits if wired accordingly. The aerial-earth and battery terminals are mounted on bakelite strips in the positions shown. The A negative, B negative and C positive are first joined together, and from here a lead is taken to the negative filament terminal of each valve socket. Continuing from





the detector socket V1, this lead goes to the rotor plates of C2 to the filament tapping R of L2—to the end of L1 nearest A2, and to earth. The A positive terminal is next joined to one side of the filament switch S, and the other side of the switch to one side of each of the filament resistances B1, 2 and 3. A flex lead is attached to the aerial terminal of the set, with a plug for insertion in A1 or A2, as required. Join the other side of L1 to the stator plates of C1 and attach to the rotor plates of this condenser a flex lead, with a plug for variation of T1 and T2. The stator plates of C1 also join to the end of L2, farthest from T1, and to the stator plates of C2, and through the grid condenser and leak C4 to the grid of the detector valve. The remaining end of L2 connects to the rotor of the reaction condenser C3, and from the stator to the plate of the detector valve and one side of the R.F. choke. The other side of this choke is joined to terminal P of AFT1, with B to the Bx2 terminal on the strip. Join G of this transformer to the grid of the first audio valve, with C negative to the C-1 terminal. Deal similarly with the second audio valve, and join one side of the single circuit jack to terminal B of AFT2, as well as to Bx1. The other side of the jack joins to the plate of the second audio valve. Almost any combination of good valves may be used in the Selective Three. The original was tested with Mullard valves of both the 6 and 4 volt types. These were Detector PM5 and audios PM6, or Detector PM3 and audios PM4. Other suitable valves are the Philips A415 as Detector and B406 as audios. UX201As throughout are also suitable.

This set will give ample loud speaker volume on local stations, and under good conditions 3LO, 3AR and 4QG. The speaker used for the tests was one of the MPA cones. With the Ferranti AF4 transformers, Mullard valves and the MPA cone the reproduction will satisfy the most sensitive of musical ears. The grid bias must be adjusted to suit whatever valves are used. The tuning presents no obstacle to those—and they are most—who are familiar with the Reinartz method of reaction control. First locate the carrier wave of a station by setting the capacity of C3 until the circuit is oscillating, and then

rotating C2. Decrease the capacity of C3 until oscillation ceases and undistorted modulation is heard. The selectivity of the set is governed by the variation of A1, A2, T1, T2, and C1. If you are located on the coast and Morse interference is acute, you will be surprised how the balancing of the circuits will almost practically eliminate such spark interference. It naturally follows that a set, which is selective to such a degree, will also be responsive in the same way for

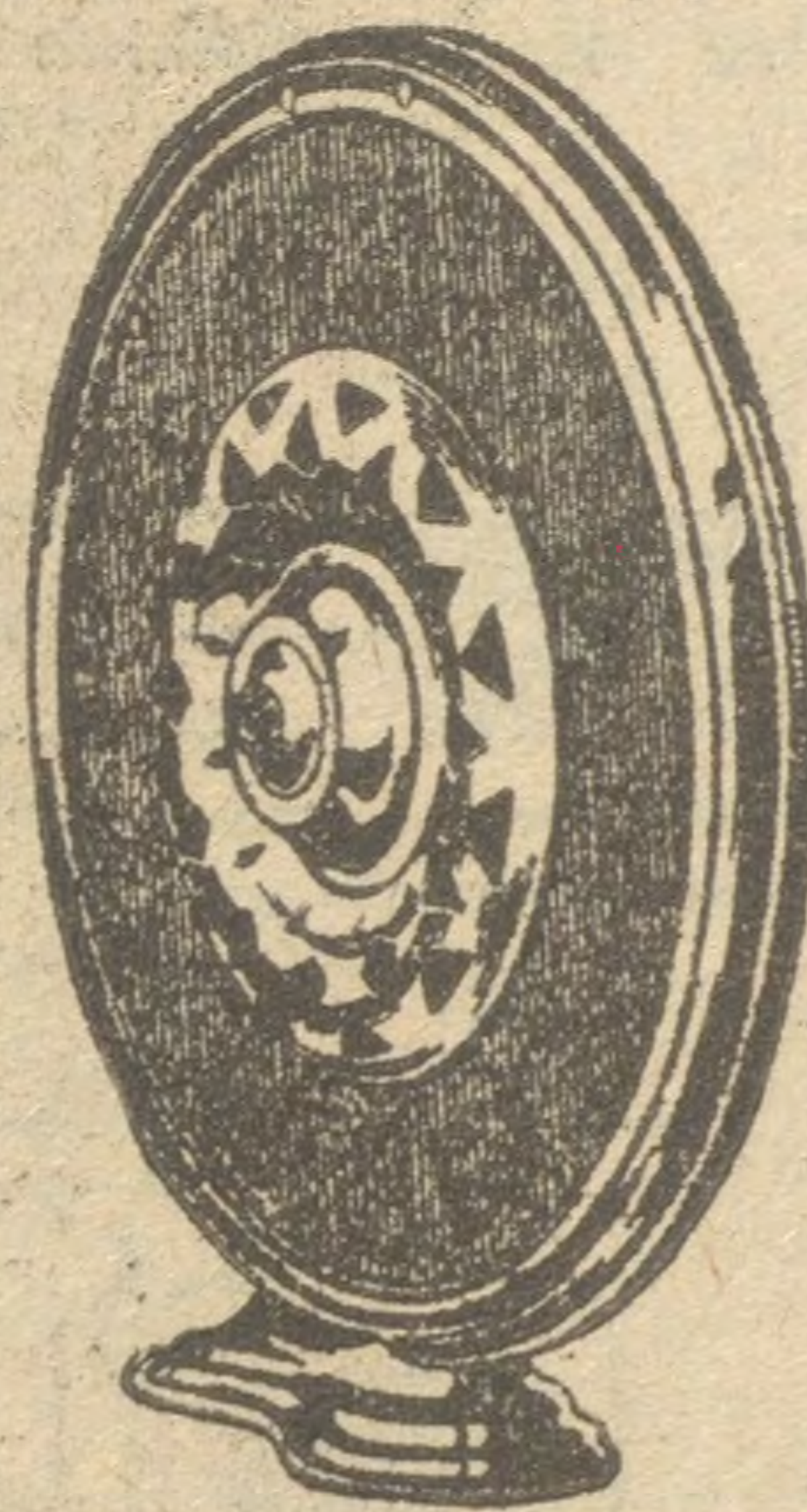
the elimination of a powerful local broadcasting station. It is sufficient to say that 2BL may be entirely eliminated in favour of 3LO, using an outdoor aerial, 50 feet long, situated a little over a mile from the transmitter at 2BL.

The Selective Three has a well-chosen name, and provides "Wireless Weekly" readers with a very interesting and efficient Reinartz type circuit.

TRADE NOTES

The New Marconi Cone Speaker *A British Product.*

ONE of the most interesting lines to be introduced to the Australian market during the month has been the new Marconi Cone Speaker. Throughout the history of wireless, the name of Marconi has always been associated with the world's greatest advancements in the science, and there is no doubt that this new speaker more than worthily upholds an enviable reputation for high quality apparatus.



In the new Marconi Cone Speaker, the slight inferiorities associated with both horn and cone type speakers have been overcome, with the result that a true naturalness of reproduction is now possible.

The new range of Marconi Economy Valves, which were recently placed upon the market by Amalgamated Wireless (A'asia) Limited, has already built up an excellent prestige among both radio dealers and listeners, and we have no hesitation in reporting that the new Marconi Cone Speaker behaved brilliantly during tests, and is no less worthy of praise.

More commonly known as Model 75, this new Cone Speaker is of the single face type; the backing, the cone and the element itself being carefully guarded from the possibility of damage by means of strong metal supports.

In its design the Marconi Speaker is essentially correct in regard to acoustic principles. Its tone is extremely sweet and mellow, while it

gives evidence of being fully capable of responding to all frequencies. Both the shrillest notes and the low registers are interpreted with unerring accuracy, whether delivered in great or small volume.

The oxidised metal facing over the mouth of the cone is surrounded with a non-resonant woodboard baffle giving the speaker the correct acoustic value necessary for the natural reproduction of both speech and music.

For convenience the adjustment screw for the cone diaphragm is situated on the front of the speaker while the leads to the receiver are taken from under the oxidised metal base.

The Marconi Speaker is finished in a rich brown which provides an attractive harmony with receivers enclosed in polished maple cabinets.

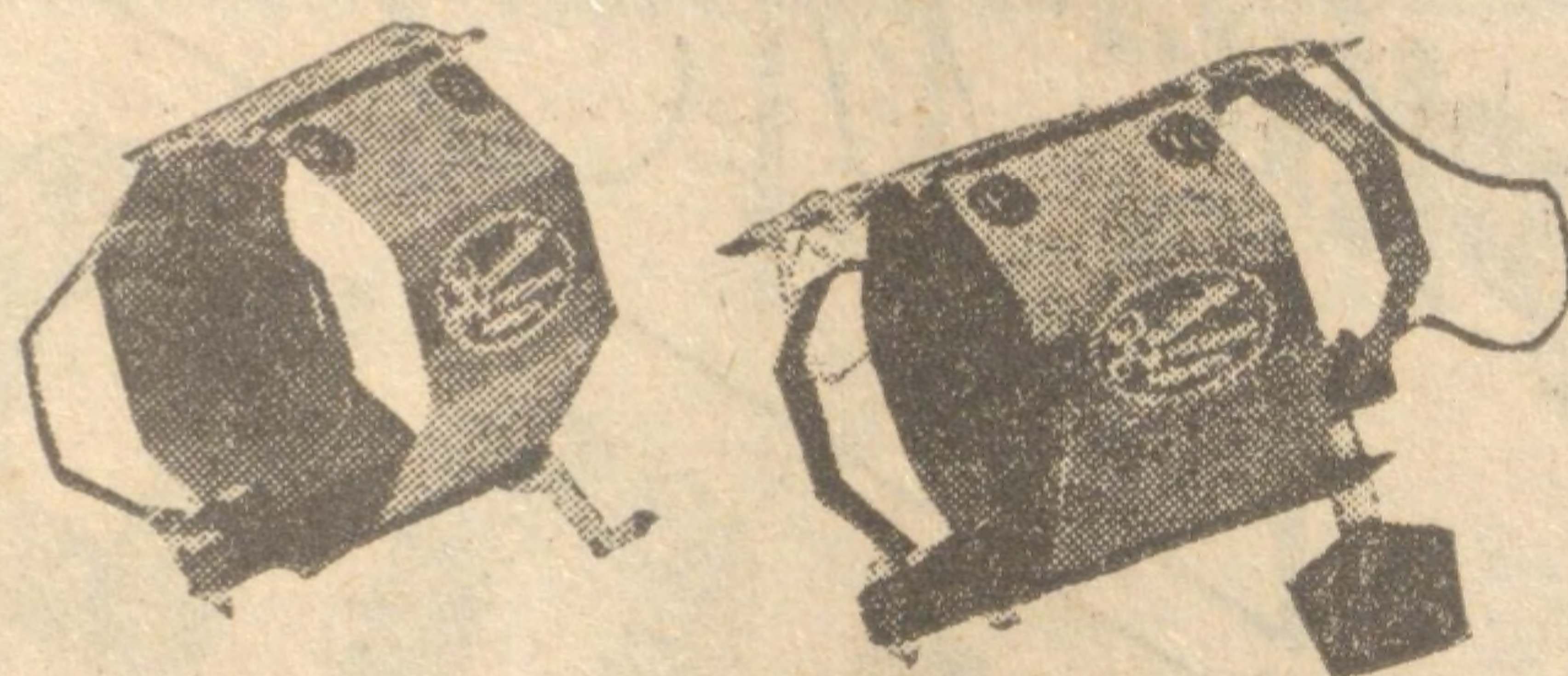
It has been designed for operation in connection with the new Marconi Economy Valves and the results achieved whilst using this combination were not only delightful, but beyond the criticism of the most sceptical.

The diameter of the Marconi Cone Speaker, Model 75, is approximately 17in. while it measures 18½in. in height. Our sample from Amalgamated Wireless (A'asia) Ltd., 47 York-Street, Sydney.

JOHN HOBBS, English baritone, who is now broadcasting from 3LO, has very quickly stepped into popular favour. Before coming to Australia he established himself as a concert artist in London, and the provinces, and was successful in winning several vocal championships. Some two years ago he carried off the Champion Vocal Recital at Geelong, and during the present season has become a familiar and welcome figure at the Municipal concerts in and around Melbourne.

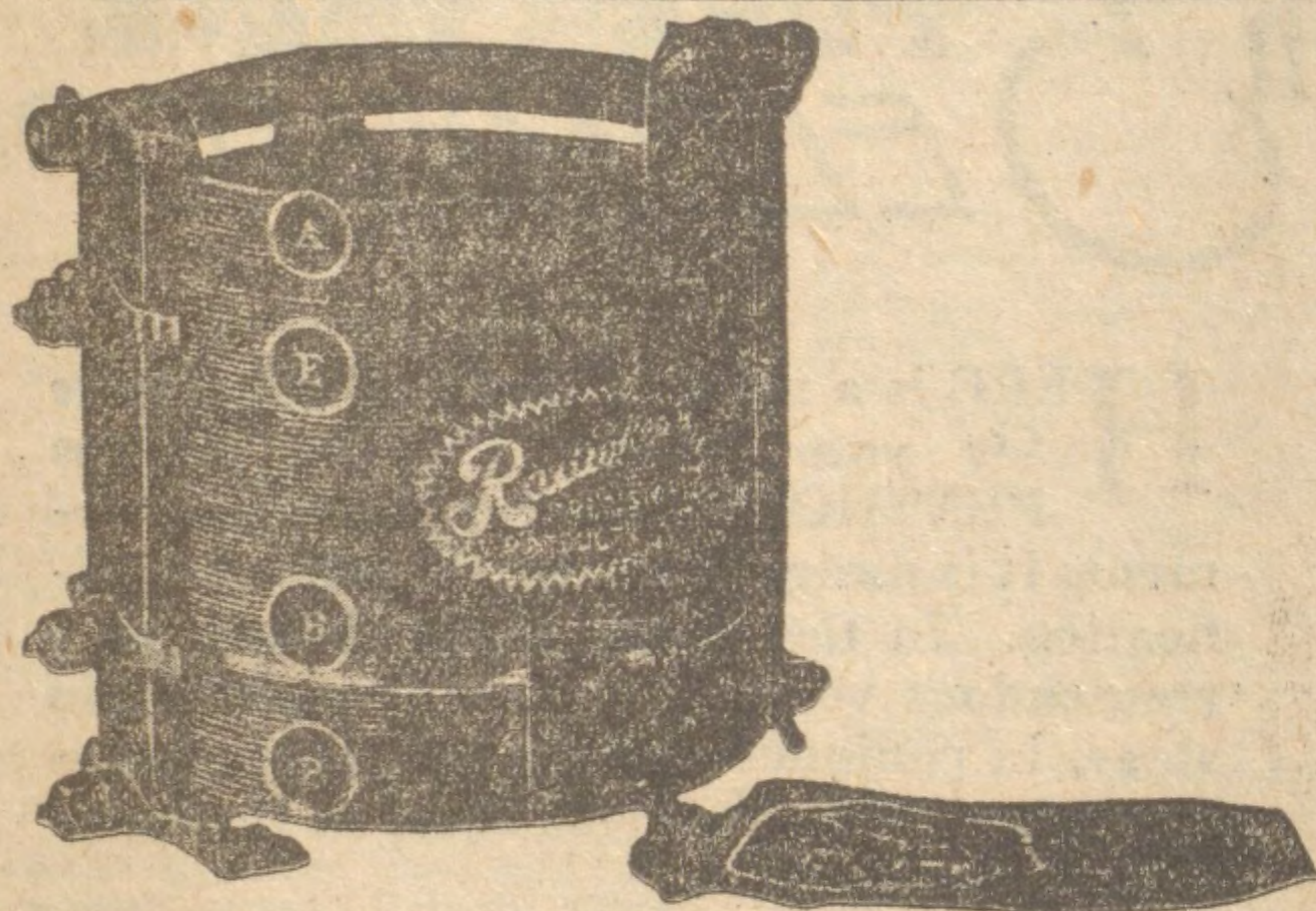
Radiokes Productions

Lead the Quality Field

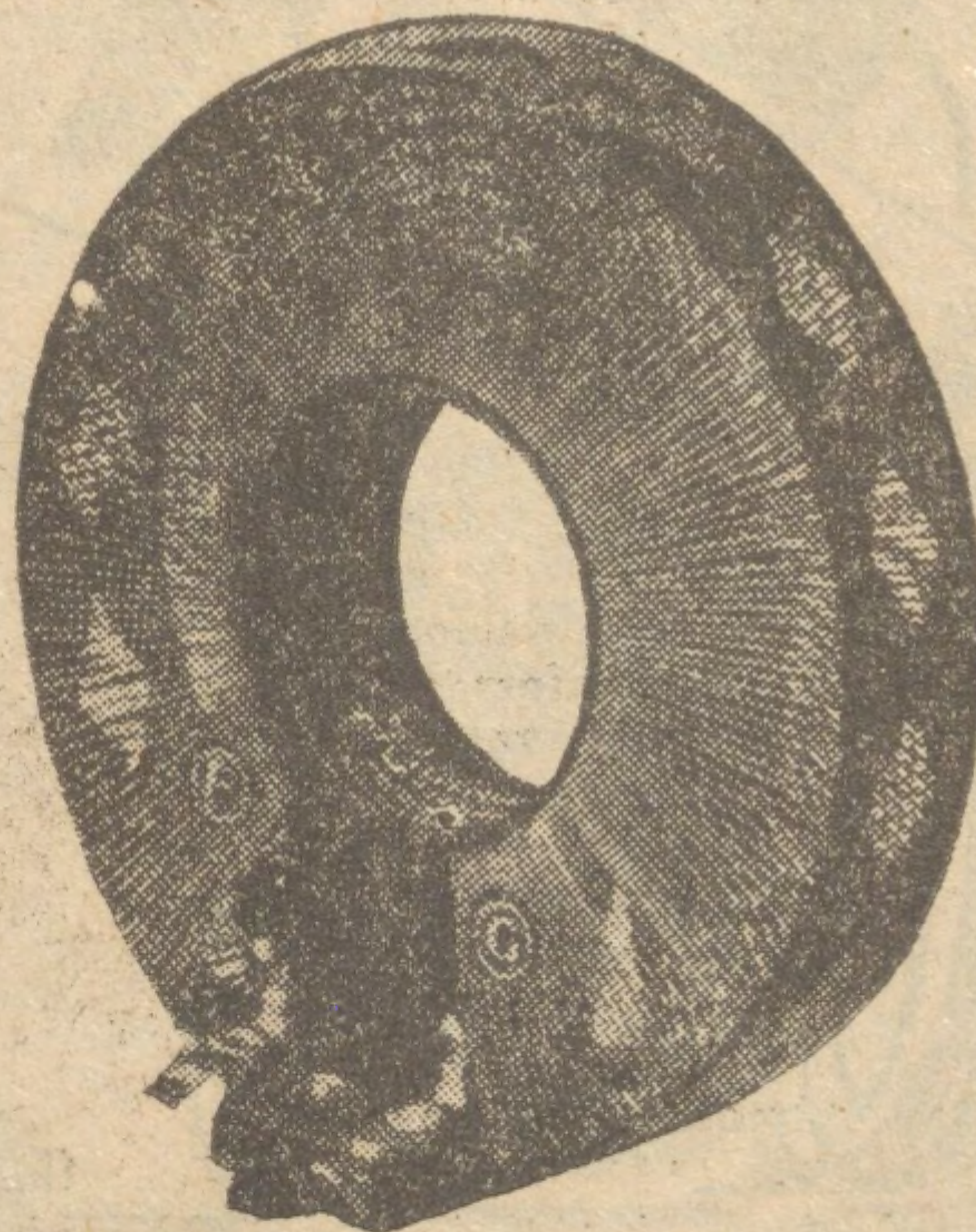


RADIOKES-BAYER KIT is still a favorite, and is specified for many modern circuits. Of Low Loss design—distinctive by its octagonal windings. Made of best materials, beautifully finished and priced at 25/- per kit.

PERPETUALLY GUARANTEED. So don't accept unknown and inferior imitations.



RADIOKES STANDARD REINARTZ is possibly Radiokes' biggest seller. A popular coil for use in three tube receivers. Well designed, beautifully finished with brilliant green silk windings on Bakelite framework. Price 10/6 each



RADIOKES CIRCLOID KITS are considered as being the world's best in coils. These coil kits make up into the finest and most stable broadcast receivers obtainable. Easy to construct, simple in operation, and beautiful in appearance. Price £2/5/- per kit

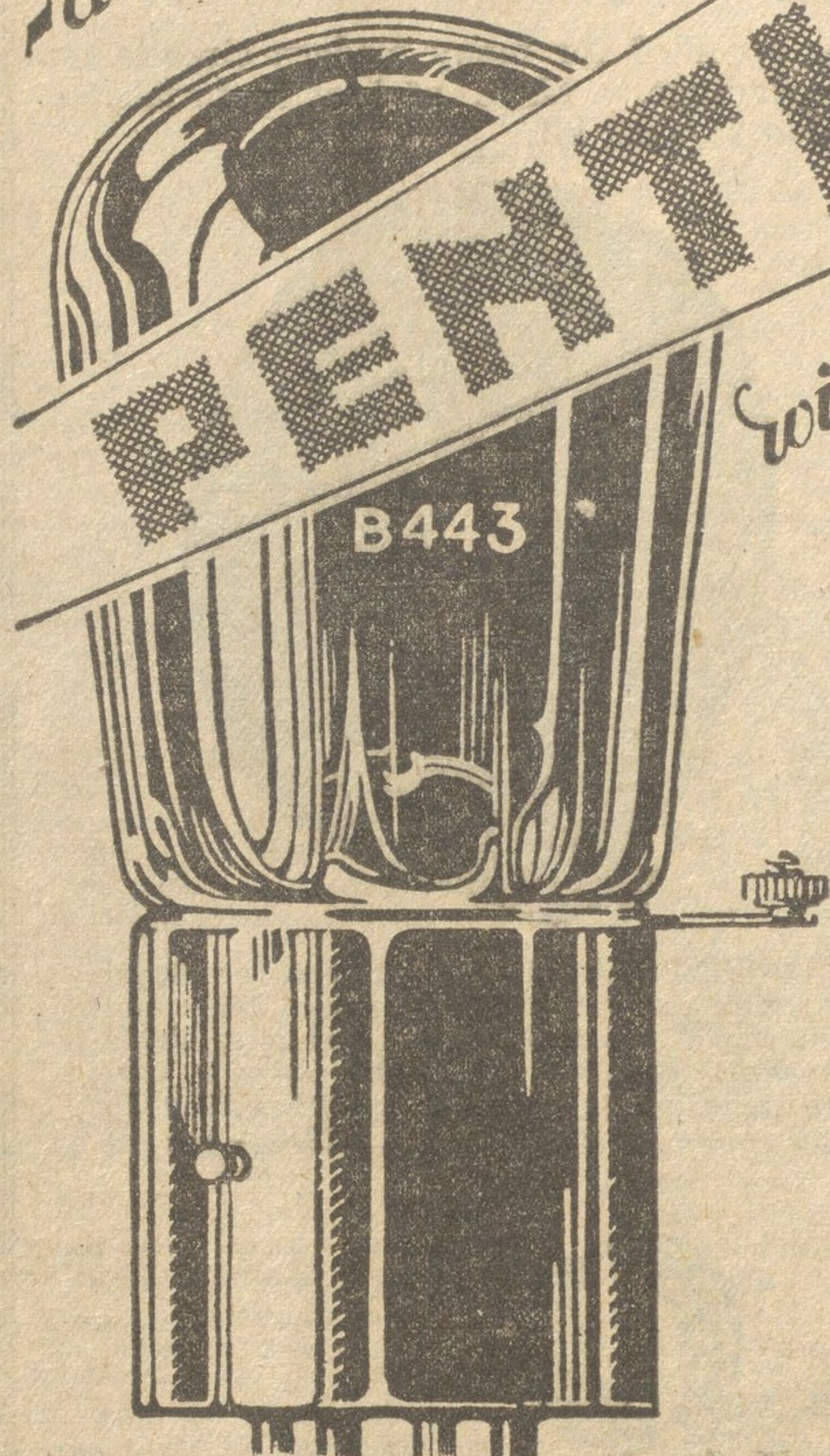


RADIOKES FAMOUS SHORT WAVE INDUCTANCES AND KITS are acknowledged by authorities as being the finest produced in any part of the world. Adopted as standard by radio editors, manufacturers, and fans throughout the country. Robustly constructed, beautifully finished, and efficiently designed. Kit range 15-130 metres £2/15/-

FROM ALL GOOD DEALERS EVERYWHERE.



and NOW
it's the PHILIPS
B443



PENTHODE

with

A REMARKABLE
POWER VALVE
ELEMENTS

HERE is a miracle multi-element tube for your radio. It's the Philips PENTHODE. Possessing five elements it is designed for super audio amplification. In the power socket it will give tremendous volume, and in a single audio stage, in conjunction with a Philips transformer, results are about equal to the usual two tube amplifier.

There is no "trick" circuit, no need to alter the wiring of your present receiver, simply connect the terminal on the side to a high "B" Voltage.

It is impossible to do justice to this 1929 Valve in so small a space.

Write to the Technical Dept. of Philips Lamps (Australasia) Ltd., for the fullest information.

PHILIPS

"MINIWATTS"

(Advt. of Philips Lamps (Australasia) Ltd. (Radio Department). Head Office and Showrooms: Cnr. Clarence and Margaret Streets, SYDNEY, N.S.W.)

3R63

BROADCASTING PROGRAMMES

For the COMING WEEK

Friday, October 26

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.—Studio Music.
- 10.10 a.m.—"Sydney Morning Herald" news service.
- 10.25 a.m.—Studio Music.
- 10.45 a.m.—A Cooking Talk and Home 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.—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.
- 1.28 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, "Adventure—General Topics."
- 3 p.m.—"Big Ben." Pianoforte selections.
- Note.—Throughout the afternoon progress scores of the International Cricket Match, England versus South Australia, played at Adelaide, S.A.
- 3.15 p.m.—Studio Music.
- 3.30 p.m.—Pianoforte selection.
- 3.45 p.m.—A Reading.
- 4 p.m.—"Big Ben."
- The Ambassadors' Dance Orchestra, conducted by Manuel Hyman.

- 4.10 p.m.—Dorothy Toppin, soprano:
 - (a) "Live, Laugh and Love" (Klein).
 - (b) "Little Brown Brother" (Lehmann).
- 4.15 p.m.—The Ambassadors' Dance Orchestra.
- 4.25 p.m.—Phyllis Broadbent, soprano:
 - (a) "Danny Boy" (Weatherly).
 - (b) "L'envoi" (Drummond).
- 4.32 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.—Children's Session, conducted by A. S. Cochrane.
 - 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.
- 6.45 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.
- 7.45 p.m.—Pianoforte Selection.
- 8 p.m.—"Big Ben." From Her Majesty's Theatres (by permission of J. C. Williamson, Ltd).
- Complete broadcast of the popular Musical Comedy, "Madame Pompadour,"
 - Featuring Beppie de Vries.
 - Lyrics by Harry Graham.
 - Music by Leo Fall.
- Note.—The first act will be broadcast through Station 2FC, and the second and third acts through the wavelength of 2BL.
- Act One: Scene—The Tavern of "The Nine Muses."

Musical Numbers.

- Introduction and Ensemble,
 - Arthur Stigant and Chorus
- Song—"Carnival Time,"
 - Russell Scott and Ladies
- Duet—"Love Me Now,"
 - Beppie de Vries and Vera Spaul
- Duet—"By the Light of the Moon,"
 - Beppie de Vries and Russell Scott
- Duet, "If I Were King,"
 - Vera Spaul and Arthur Stigant
- Finale Act Full Company

FROM THE STUDIO.

- 9 p.m.—"Big Ben." Late Weather forecast.
- The N.S.W. Broadcasting Company's Orchestra. Conductor: Willie Redstone.
- 9.15 p.m.—Details of the Radio Eisteddfod.
- 9.18 p.m.—Vladimir Elin, Russian Baritone:
 - (a) "At the Ball" (Tchaikowsky).
 - (b) "Death" (Tchaikowsky).
- 9.23 p.m.—Hilda Sutton (Violinist), and Leila Job (Coon Songs).
- 9.33 p.m.—Captain Fred. Aarons:
 - "To-night's Anniversary."
- 9.36 p.m.—The N.S.W. Broadcasting Company's Orchestra.
- 9.32 p.m.—Vladimir Elin, Russian Baritone:
- 10 p.m.—"Big Ben." Hilda Sutton and Leila Job.
- 10.10 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, 26th OCTOBER, 1928.

MORNING SESSION.

- 8.0 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.—A Reading.
- 9.40 a.m.—Studio Music.
- 10.0 a.m.—G.P.O. Clock and Chimes.
- Close Down.

MIDDAY SESSION.

- 11.0 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.
- 12.0 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.
- 1.0 p.m.—Studio Music.
- 1.30 p.m.—Talk to Children and Special Entertainment for Children in Hospital.
- 2.0 p.m.—G.P.O. Clock and Chimes.
- Close Down.

AFTERNOON SESSION.

- Note: During the Afternoon, scores from the match, England versus South Australia, played at Adelaide, 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 under the Direction of Mr. Merv. Lyons, broadcast from Romano's.
- 4.10 p.m.—"Sun" news service.
- 4.20 p.m.—Miss Hazel McGilvray, mezzo soprano:
 - "Still Unexpressed" (Carrie Jacobs-Bond).
- 4.22 p.m.—Romano's Restaurant Dance Orchestra.
- 4.30 p.m.—Miss Margaret Hunt, soprano:
 - (a) "It was a Dream" (Cowen).
 - (b) "Big Lady Moon" (Coleridge Taylor).
- 4.37 p.m.—Romano's Restaurant Dance Orchestra.
- 4.45 p.m.—Miss Zena Jupp, elocutionist:
- 4.52 p.m.—Miss Hazel McGilvray:
 - "Thou of my tender heart" (Gluck).
- 4.57 p.m.—Romano's Restaurant Dance Orchestra.
- 5.5 p.m.—Mr. William Everard, tenor:
 - (a) "Cigarette" (Haines).
 - (b) "Sorter miss you" (Clay Smith).
- 5.12 p.m.—"Sun" News Service.
- 5.22 p.m.—Mr. William Everard:
 - (a) "The Minstrel Boy" (Moore).
 - (b) "That old Irish Mother of Mine" (Von Tilzer).
- 5.29 p.m.—Musical programme from the studio

- 5.33 p.m.—Miss Margaret Hunt:
 (a) "A Sheepfold Song" (Ronald).
 (b) "A Little winding road" (Ronald).
 5.40 p.m.—Features of evening's programme.
 5.42 p.m.—Racing resume.

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.—Galbransen 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.—Advertising Talks and studio items.
 7.57 p.m.—Programme and other announcements.

EVENING SESSION.

- 8 p.m.—G.P.O. Clock and Chimes.
 2BL Topical Chorus.
 8.3 p.m.—From the Conservatorium Hall, Sydney: Programme of Musical items contributed by Pupils from the Secondary Schools, affiliated with the British Music Society.
 1. Item by the Methodist Ladies' College Junior Choir, Gordon.
 2. Pianoforte Solo.
 3. Recitation (Presbyterian Ladies' College, Pymble).
 4. Violin Solo.
 5. Vocal Solo (Presbyterian Ladies' College, Croydon).
 6. Pianoforte solo.
 7. Pianoforte solo (Springwood Ladies' College).
 8. Item by the Sydney Church of England Girls' Grammar School Choir, Darlinghurst.
 Presentation of J. Hugh MacMennon prize, presented by Mr. James Chalmers to Rene Baker.
 Also presentation of Miniature shield by J. M. Dempster to Presbyterian Ladies' College, Croydon.
 9. Pianoforte solo (Presbyterian Ladies' College, Croydon).
 10. Pianoforte solo (Abbotsleigh, Wahroonga).
 11. Recitation (Kambala, Rose Bay).
 12. Violin solo (Convent of Mercy, Parramatta).
 13. Vocal Song (Presbyterian Ladies' College, Pymble).
 14. Pianoforte solo.
 15. Choral item.
 9.10 p.m.—From Her Majesty's Theatre: By permission of J. C. Williamson, Ltd., Miss Beppie de Vries in "Madame Pompadour," a Musical Comedy in Three Acts. Adapted by Frederick Lonsdale and Harry Graham. Lyrics by Harry Graham. Music by Leo Fall.
 Note:—Act I will be broadcast at 8 p.m. through 2FC.

Act II.

Scene—"The Pompadour's Apartments at Versailles.

Musical Numbers:

- Introduction and Ensemble .. Full Company
 Duet, "Love's Sentry."
 Beppie de Vries and Russell Scott
 Sextette, "Tell me what your eyes were made for"
 Beppie de Vries, Vera Spaul, Adele Crane and Pages.
 Serenade, "Madame Pompadour,"
 Russell Scott and Chorus of Soldiers
 Duet, "Joseph"
 Beppie de Vries and Arthur Stigant
 Duet, "Reminiscence."
 Beppie de Vries and Russell Scott
 Finale, Act II. Full Company
 10.20 p.m.—From the Studio: Mr. C. Dexter will talk on the prospects of Saturday's races.
 10.30 p.m.—From Her Majesty's Theatre: Act III. of "Madame Pompadour."

Musical Numbers:

- Introduction.
 Duet, "Two Little Birds"
 Vera Spaul and Arthur Stigant
 Finale Act III. Full Company
 11 p.m.—From the Studio:
 Details of Radio Eisteddfod.
 11.3 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.

2GB, SYDNEY

Theosophical Broadcasting Service.

Wave Length, 316 Metres.

FRIDAY, 26th OCTOBER, 1928.

MORNING SESSION.

- 10 a.m.—Music.
 10.10 p.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 Radio Service.
 2.30 p.m.—Music.
 2.45 p.m.—Address.
 3 p.m.—Music.
 3.15 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.—2GB Instrumental Trio:
 Miss Ada Brook, Mr. Cecil Berry, Miss Marjorie Kennedy.
 8.15 p.m.—Announcements.
 8.20 p.m.—Songs by Mr. Robert Scott.
 8.27 p.m.—Violin solos by Mr. Cecil Berry.
 8.35 p.m.—Miller and Mack. The Comedy Two.
 8.45 p.m.—Address by Professor E. Wood.
 9 p.m.—Weather report.
 9.2 p.m.—Cello Solo by Miss Marjorie Kennedy.
 9.10 p.m.—One Act Play arranged by Miss Mollie Kirwan.
 9.30 p.m.—Songs by Mr. Robert Scott.
 9.37 p.m.—2GB Instrumental Trio.
 9.50 p.m.—Miller and Mack, The Comedy Two.
 10 p.m.—Close down.

3LO, MELBOURNE.

Broadcasting Co. of Aust.

Wave Length, 371 Metres.

FRIDAY, 26th OCTOBER, 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.—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.
 SAVORY MACARONI:
 ½lb. macaroni,
 1oz. butter.

1oz. flour.

½-pint tomato puree.

Pepper, salt and a little sugar to taste.
 Put macaroni into a saucepan of boiling salted water, and cook till tender (about 20 minutes). Strain through a colander and wash it in cold water. Melt butter in small saucepan, add the flour, mix well, then add tomato puree and seasoning. When it boils, stir in the macaroni and make it quite hot. Dish on hot dish, and serve some croutons of fried bread with it.

CLEANING HINT.

To whiten discolored boards, dissolve a pennyworth of oxalic acid in about half a pint of boiling water, and let it get cold. When scrubbing your kitchen table, draining board, etc., sprinkle a little of this solution on to the boards from a shaker-top bottle.

11.5 a.m.—Under the auspices of the Young Women's Christian Association, MISS A. H. TATLEY-SHORT will speak on "Basketball."

11.25 a.m.—"AU FAIT"—

"Carnival Time."

11.40 a.m.—Musical Interlude.

11.45 a.m.—Under the auspices of the Public Health Department, SISTER PECK will speak on:

"Preparation for Summer."

MIDDAY SESSION.

12.0 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 Sale; Special Reports by John McNamara and Co.

12.20 p.m.—STATION ORCHESTRA:

Overture, "Titus" (Mozart).

12.30 p.m.—MARIE MAGAN, Soprano:

"Wiegenlied"—Lullaby (Mozart).

"Das Veilchen"—The Violet (Mozart).

12.37 p.m.—Stock Exchange Information.

12.40 p.m.—THE STATION ORCHESTRA:

Overture, "Impresario" (Mozart).

12.50 p.m.—J. HOWARD KING, Bass-Bari-

tone:

"Great Isis—Great Osiris."

"Within these Sacred Bowers."

From "The Magic Flute" (Mozart).

12.57 p.m.—AGNES FORTUNE, Piano:

"G Major Sonata" (Mozart).

INTERLUDE.

1.7 p.m.—Meteorological Information; Weather Forecast for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecasts; River Reports.

1.14 p.m.—MARIE MAGAN, Soprano:

"Damon's Song" (Mozart).

"Children's Song" (Mozart).

1.21 p.m.—THE STATION ORCHESTRA:

"Marcia Turca" (Mozart).

1.26 p.m.—J. HOWARD KING, Bass-Bari-

tone:

Selected.

1.35 p.m.—THE STATION STRING QUAR-

TETTE:

First Movement Quartette (Mozart).

1.45 p.m.—Close Down.

AFTERNOON SESSION.

2.0 p.m.—Description of Events at the Public Schools' Combined Sports Meeting at the M.C.G.

5.10 p.m.—Presentation of Cup to the winners of the Public Schools' Combined Sports at M.C.G.

NEWS SESSION.

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

5.35 p.m.—Close Down.

During the afternoon progress scores will be given of the cricket match. England v. South Australia, at Adelaide; also results of the Yarra Glen races as they come to hand.

EVENING SESSION.

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

6.25 p.m.—Musical Interlude.

6.30 p.m.—W. H. BUTCHER:

"The Forthcoming Stamp Exhibition."

NIGHT SESSION.

Accompanist: Agnes Fortune.
Announcer: Frank Hatherley.

- 6.50 p.m.—Madame SOWARD:
"French Without Tears."
- 7.5 p.m.—Stock Exchange Information.
- 7.15 p.m.—Results of Cricket Match, England v. South Australia, at Adelaide.
- 7.17 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 Fruiterers' Association; Retail Prices; Wholesale Prices of fruit by the Wholesale Fruit Merchants' Association; Citrus Fruits.
- 7.30 p.m.—News Session.
- 7.43 p.m.—Birthday Greetings.
- 7.46 p.m.—C. H. J. WILLIAMS, will speak on:
"To-morrow's Stadium Event."
- 8.0 p.m.—A MAKER OF HISTORY.
- 8.1 p.m.—Under the auspices of the Department of Agriculture, MISS KNIGHT, Fruit Preserving Expert, will speak on:
"Salads."
- 8.15 p.m.—COLLINGWOOD CITIZENS' BAND:
March, "Sons of America."
Overture, "Zubenplate."
- 8.25 p.m.—ESTELLE MARK TRIO:
CECILIA KILDUFF, Violin:
"Sonata in E Major" (Handel).
ESTELLE MARK, Soprano:
"The Tryst" (Sibelius).
MARGOT SHERIDAN, Piano:
"Evening Whispers" (Palmgren).
- 8.40 p.m.—COLLINGWOOD CITIZENS' BAND:
Selection, "Gems from Italian Opera."
- 8.50 p.m.—H. K. LOVE, will speak on:
"Technicalities."
- 9.0 p.m.—THE IMPERIAL RUSSIAN TRIO:
"Liebeslied" (Kreisler).
"Schon Rosmarin" (Kreisler).
"Leibesfreud" (Kreisler).
ARVED NORIT, Violin:
"Vienna Folk Song" (Kreisler).
- 9.15 p.m.—ELSY TREWEEK, Soprano:
"St. Nicholas' Day in the Morning" (Martin).
"The Holy Child."
- 9.22 p.m.—COLLINGWOOD CITIZENS' BAND:
Waltz, "Merry Widow."
- 9.30 p.m.—STEWART AND LORRAINE:
Humorous Instrumentalists.
- 9.37 p.m.—T. J. SEMPLÉ, Tenor:
"Phyllis Has Such Charming Graces" (Young).
"Mary of Allendale" (Hook).
- 9.44 p.m.—COLLINGWOOD CITIZENS' BAND:
Humorous: "Sliding Thro' the Rye."
By Request.
Fox Trot, "Chloe."
- 10.25 p.m.—T. J. SEMPLÉ, Tenor:
"The Pibroch" (Stanford).
"The Questioner" (Schubert).
- 10.32 p.m.—COLLINGWOOD CITIZENS' BAND:
Duet, "Miserere"—"Il Trovatore" (Verdi).
Hymn, "It is Well."
- 10.40 p.m.—"Argus" News Service; British Official Wireless News from Rugby; Meteorological Information; Road Notes supplied by the Royal Automobile Club of Victoria; Announcements.
- 3.0's WEEKLY SEASONABLE GARDEN REMINDER. Compiled by Leslie Brunning.
- 10.52 p.m.—OUR GREAT THOUGHT.
- 10.53 p.m.—THE RADI-O-ACES.
- 11.40 p.m.—God Save the King.

3AR, MELBOURNE.

Associated Radio Co.

Wave Length, 484 Metres.

FRIDAY, 26th OCTOBER, 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:
"Down In Old Havanna Town" (Cadser).
"Hugs and Kisses" (Alter).
"Egypt" (Seamon).
- 11.15 a.m.—Marcelle Berardi, soprano:
"Doll's Song," from "Tales of Hoffman" (Offenbach).
"Synnove's Song" (Kjerulf).
- 11.22 a.m.—Radi-o-Aces:
"All Day Long" (Cross).
"Got a Big Date" (Tobias).
"Sunshine" (Berlin).
- 11.37 a.m.—RITA HILTON, entertainer:
"If You Didn't Know My Husband."
"Swinging on a Rainbow."
- 11.44 a.m.—Radi-o-Aces:
"Gautemala Melody" (Wenrich).
"Lauretta" (Lewis).
"Adoree" (Silver).
- 12 noon.—Marcelle Berardi, soprano:
"Come per me sereno," from "La Sonnambula" (Bellini).
"The Garden Wind" (Homers).
- 12.7 p.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).
- 12.22 p.m.—Stanley J. Allan, tenor:
"Walter's Prize Song."
"O, Flower of All the World."
- 12.30 p.m.—British official wireless news. Announcements.
- 12.40 p.m.—Radi-o-Aces:
"Laugh, Clown, Laugh" (Young).
"There's Something About a Rose" (Kahal).
"Loved Me" (Wilson).
- 12.50 p.m.—Rita Hilton, entertainer:
"You Can Never Tell About a Woman."
"Whistle It."
- 1.7 p.m.—Stanley J. Allan, tenor:
"Questa o' Quella."
"To Mary."
- 1.14 p.m.—Radi-o-Aces:
"The Whisper Song" (Friend).
"Keep Sweeping the Cobwebs" (Trent).
"Shanghai Dream Man" (Davis).
- 1.30 p.m.—Close down.

AFTERNOON SESSION.

- 2.15 p.m.—The Strad Trio:
"Trio Op. 32, D Minor" (Arensky).
"Allegro Moderato."
"Scherzo."
"Elegy."
"Finale."
- 2.40 p.m.—Millicent Osmond, mezzo soprano:
"To Sylvia" (Schubert).
"The Wild Rose" (Schubert).
- 2.47 p.m.—Cecil Parkes, violin:
"Hymn to the Sun" (Korsakoff).
"Valse Bluette" (Drigo).
"Corelli Variations" (Tartini-Kreisler).
- 2.56 p.m.—Millicent Osmond, mezzo soprano:
"Diaphenia" (Samuel).
"Lilacs" (Rachmaninoff).
- 3.3 p.m.—The Strad Trio:
"Swedish Folk Song" (Svendsen).
Gavotte from Mignon (Thomas).
"Ave Maris Stella" (Grieg).
"Bourree" (Handel).

FOR THE BOOKWORM.

- 3.12 p.m.—Frances Fraser:
"Halloween traditions" (Frances Fraser).
- IN LIGHTER VEIN.
- 3.27 p.m.—The Station Orchestra:
"Rubeville"—a Rustic Suite (Lake).
- 3.44 p.m.—Stewart and Lorraine:
Humorous instrumentals.
- 3.51 p.m.—The Station Orchestra:
"The Girl Friend" (Rodgers).
- 3.58 p.m.—The Estelle Mark Trio:
Estelle Mark (soprano), Margot Sheridan (piano), Cecilia Kilduff (violin).
Piano, "Pipe and Tabor" (Roger Quilter).
Song, "Night" (Rachmaninoff).
Violin, "Allegretto" (Bocherini-Kreisler).
- 4.13 p.m.—The Station Orchestra:
"Chansonette" (Baron).
"Frolics and Fancies" (Adams).
- 4.27 p.m.—Stewart and Lorraine:
Humorous instrumentals.
- 4.34 p.m.—The Imperial Russian Trio—Arved Norit (violin), John Berzinsky (cello), William Ibster (piano):
Trio, "Trio A Minor—Thema con Variationi" (Tchaikowsky).
Violin, "Tarbourin Chinois" (Kreisler).
- 4.49 p.m.—The Station Orchestra:
Selection, "The Desert Song."

EVENING SESSION.

- 5 p.m.—A recital of the art of past masters.

NIGHT SESSION.

- 8.15 p.m.—Community Singing, transmitted from the Colosseum, Ballarat.

FROM THE STUDIO.

- 10.15 p.m.—Radi-o-Aces:
"Just a Memory" (Henderson).
"Lonesome in the Moonlight" (Baer).
"Hallelujah" (Youmans).
- 10.25 p.m.—John D. Fraser, baritone:
"My Mary, Sweet and Brown" (Kilner).
"Molly" (Herbert).
- 10.32 p.m.—Radi-o-Aces:
"Sometimes I'm Happy" (Youmans).
"Varsity Drag" (Henderson).
"Chloe" (Kahn).
- 10.42 p.m.—John D. Fraser, baritone:
"Eri tu" (Verdi).
"Song of the Coat" (Puccini).
- 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

Queensland Radio Service.

Wave Length, 385 Metres.

FRIDAY, 26th OCTOBER, 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.—Music by the Tivoli Operatic Orchestra, under the baton of Mr. C. Groves.
- 4 p.m.—Some electric records.
- 4.15 p.m.—This afternoon's 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.

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.—To-morrow's sporting fixtures reviewed.

NIGHT SESSION.

- 8 p.m.—From Wynnum South:
Mrs. Banks' Orchestra:
Overture, Selected.
Miss T. Davey, contralto:
"A Southern Song" (Landon Randal).
Percy Taylor, baritone:
"Harlequin" (Sanderson).
Mrs. H. Gunderson, soprano:
"Song of Thanksgiving" (Allitsen).
Miss E. Rowett, elocutionist:
"January" (Agnes Storrie).
Miss G. Bonney, pianiste:
Selected item.
R. Allison, bass:
"Shipmates o' Mine" (Sanderson).
A. Ferguson, cellist:
Selected item.
Max Aronsten, baritone:
"The Last Hour" (Kramer).
"Rain" (Curran).
"Bend Low Thine Ear" (Besley).
"Love's Philosophy" (Quilter).
"Ah Pescator" (from "La Gioconda").
(Accompanied by Mr. Jack Ellis).
Vivian Brahms, humorist:
Ten minutes' mirth.
Molly Hourston, soprano:
"Elf and Fairy" (Densmore).

PART II.

- 9 p.m.—From South Brisbane City Hall:
Brisbane Philharmonic Choir:
Ladies' chorus, "Pure as the Air" (German).
"The Nymphs' Fawn" (Wood).
Mr. A. Smith, tenor:
"Come into the Garden, Maud" (Balle).
Combined Choirs:
Grand chorus, "Choral Fantasia on 'Tannhauser'" (Fletcher).
Folksong, "Irish Tune from County Derry" (Grainger).
Nance Muirhead, soprano:
"The Boat Song" (Ware).
"Waiata Poi" (Hill).
The Curlews:
Male part-song: "When Song is Sweet" (Sans Souci).
Harry Humphreys, elocutionist:
"Levinsky at the Wedding."
The Curlews:
Operatic chorus "Miserere" and "Tower Scene" (Verdi—from "Il Trovatore").
Combined Choirs:
Finale, "The Lost Chord" (Sullivan).
"The Anvil Chorus" (Verdi).
10 p.m.—From The studio:
Late news, weather news. Close down.

5CL, ADELAIDE.

Central Broadcasters, Ltd.

Wave Length, 395 Metres.

FRIDAY, 26th OCTOBER, 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.
12.15 p.m.—British Official Wireless news.
12.20 p.m.—Margery Walsh, soprano:
"No, no, on" (Mattei).
"Down in the Forest" (Ronald).
12.27 p.m.—P. M. Perriam, Mouth Organist:
Selected Mouth Organ Solos.
12.34 p.m.—Len Maurice, Whispering Baritone:
"Coquette" (Lombardo).
"Evening Star" (Donaldson).
12.41 p.m.—Harry Hutchins, violinist:
"Andante from Mendelssohn's Concerto."
12.48 p.m.—Studio "Recreator":
Recital of H.M.V. Recordings.
12.50 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.—Margery Walsh, soprano:
"Daddy."
Selected.
1.8 p.m.—P. M. Perriam, Mouth Organist:
Selected Mouth organ solos.
1.15 p.m.—Len Maurice, Whispering Baritone:
"Goodnight" (Conrad).
"Southland is calling" (Austin).
1.22 p.m.—Harry Hutchins, violinist:
"Romance" (Ries).
"Rondino" (Kreisler).
1.29 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.—Regent Symphony Orchestra:
Symphonic selections.
3.15 p.m.—Denis Sheard, tenor:
"A Bowl of Roses" (Clarke).
"Caro Mio Ben" (Giordani).
3.22 p.m.—Regent Murlitzer Organ:
Selections.
3.37 p.m.—Molly Mackay, soprano:
Selections from her repertoire.
3.44 p.m.—Regent Symphony Orchestra:
Orchestral selections.
4 p.m.—G.P.O. Chimes.
4.1 p.m.—Joe Brennan and Ida Newton:
Ten minutes fun and harmony.
4.11 p.m.—Regent Wurlitzer Organ:
Selections.
4.26 p.m.—Denis Sheard, tenor:
"Good-bye" (Tosti).
"For you alone" (O'Reilly).
4.33 p.m.—Regent Symphony Orchestra:
Symphonic Selections.
4.50 p.m.—Molly Mackay, soprano:
Selections from her repertoire.
4.57 p.m.—S. C. Ward and Co.'s Stock Exchange 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, Songs 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 Exchange Information.
7.8 p.m.—5CL's Sporting Service:
Including a review of Murray Bridge and Moonee Valley races by "Silvius."
7.20 p.m.—Cricket talk by "Willow."
7.25 p.m.—Boy Week Celebrations:
Mr. F. J. Mills, Secretary Boy Scouts Association will speak on "Boy Week."

NIGHT SESSION.

- 7.35 p.m.—Malcolm Reid's Orchestra:
Transmitted from showroom.
Overture and orchestral selections.
7.45 p.m.—Len Maurice, Whispering baritone:
"Somebody lied about me" (Brown).
"Sailors Sweetheart."
7.52 p.m.—Malcolm Reid's Orchestra:
Orchestral selections.
8.2 p.m.—Joe Brennan and Ida Newton:
Ten minutes music and frivolity.
8.12 p.m.—Malcolm Reid's Orchestra:
Orchestral selections.

- 8.22 p.m.—Molly Mackay, soprano:
Selections from her repertoire.
8.29 p.m.—Malcolm Reid's Orchestra:
Orchestral selections.
8.39 p.m.—Gordon Hele, baritone:
"My Deams" (Tosti).
"Why do the nations rage" (Handel).
8.46 p.m.—Malcolm Reid's Orchestra:
Orchestral selections.
8.56 p.m.—Joe Brennan:
"The Gas Inspector."
9 p.m.—G.P.O. Chimes.
9.1 p.m.—Meteorological information.
9.2 p.m.—Overseas Grain Report.
9.3 p.m.—Len Maurice, Whispering Baritone:
"Stormy Weather pal" (Piantadosi).
"Bay your mother."
9.10 p.m.—Herbert Edwards, pianist:
Selected Pianoforte solo.
9.15 p.m.—Station Orchestra:
Orchestral selection.
9.25 p.m.—Molly Mackay, soprano:
Selections from her repertoire.
9.32 p.m.—Station Orchestra:
Orchestral selections.
9.42 p.m.—Gordon Hele, baritone:
"The Dawg" (Sanderson).
"Serenade" (Schubert).
9.49 p.m.—Station Orchestra:
Orchestral selections.
10 p.m.—G.P.O. Chimes.
10.1 p.m.—"The Advertiser" general news service.
10.10 p.m.—International news.
10.15 p.m.—The Maison Dance Band.
11 p.m.—God Save The King.

6WF, PERTH

Westralian Farmer's.
Wave Length, 1250 Metres.

FRIDAY, 26th OCTOBER, 1928.

MIDDAY SESSION.

- 12.30 p.m.—Tune in.
12.35 p.m.—Markets, News and Cables.
1 p.m.—Time signal.
1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
1.2 p.m.—Studio Quintette, conducted by Mr. Val Smith, will play selections from their repertoire.
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 of programme given on 1250 metres.
6.49 p.m.—Musical session for the Kiddies 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 Meteorological Bureau of Western Australia.
Station announcements such as alterations to programmes, etc.
8.3 p.m.—Popular Night:
Musical programme from the studio, including vocal and instrumental artists.
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, commencing at 6.45 p.m.

7ZL, HOBART

Tasmanian Broadcasters, Ltd.

Wave Length, 516 Metres.

FRIDAY, 26th OCTOBER, 1928.

MIDDAY SESSION.

- 11.30 a.m.—M'elie Columbia broadcasts.
 11.34 a.m.—Special Midlands Weather forecast.
 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.—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.—M'elie Columbia broadcasts.
 12.55 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.

- 2 p.m.—G.P.O. Clock chimes the hour.
 3.1 p.m.—M'elie Columbia broadcasts.
 3.11 p.m.—Weather information.
 3.15 p.m.—A Concert by the Master Musicians.
 Jacques Jacob's Ensemble Instrumental:
 "España" (Waldteufel).
 Waltz, "L'Estudiantina" (Walteufel).
 Muriel Brunskill, contralto:
 "O Lovely Night" (Teschemacher).
 "Kathleen Mavourneen" (Crawford).
 The J. H. Squire Celeste Octet, Piano Concerto, 1812:
 Overture, "Memories of Tschalkowsky"
 Parts 1 and 2 (Arr. Sear).
 Signor Lenghi-Ceilini, tenor:
 "Maire my Girl" (Aiken).
 "I Hear you Calling me" (Marshall).
 Eddie Thomas' Collegians:
 Waltz, "Beautiful Ohio" (Earl).
 Columbia Orchestra:
 March, "March of the Toys" (Herbert).
 Dame Clara Butt, and Kennerley Rumford:
 Duet, "The Keys of Heaven" (Traditional).
 "Friendship" (Phillip Sydney).
 Lener String Quartet:
 "Quarto in E. Minor" (Smetana).
 Parts 1 and 2.
 Handbells, Played by The Famous Barnardo Musical Boys:
 "The Legend of the Bells."
 "Les Cloches de Corneville."
 "Chiming Bells of Long Ago" (Christobel).
 Manlodin Band, (65 Performers) Giuseppe Verdi of Leghorn, Serenade:
 "Les Millions D'Arlequin."
 "Carmen" Act 4 (Bizet).
 Joseph Szigeti, Violin solo:
 "Tambourin Chinois" (Kreisler).
 "Menuet" (Debussy).
 Pianoforte solo, William Murdock, Celeste Octet:
 "Ballade in A. Flat" Op. 47.
 Parts 1 and 2.
 J. H. Squire, Celeste Octet:
 "Parfum de Passe" (Mayson).
 "Speak" (Nicholls).
 Silver Stars Band:
 "The Wedding March" (Mendelssohn).
 "Bridal March"—Lohengrin" (Wagner).
 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.

EARLY EVENING SESSION.

CHILDREN'S CONCERT.

- (Arranged by Barbara Storey).
 6.15 p.m.—N. I. Ikins, piano solo:
 "The Brooklet's Song."
 "The Anvil."
 D. and M. Bradford, recitation:
 "The Faries."
 M. Harrison:
 Song, "My Curly headed Babby."
 M. Sweet, piano solo:
 "Minuet."
 "Nummernip."

D. and M. Bradford, recitation:

"The Mountain and the Squirrel."

"The King's Breakfast."

M. Harrison and B. Macintosh:

"The Maiden in Grey."

Player Selection: "Oranges and Lemons."

Answers to Letters and Birthday Greetings

by "Uncle David."

M'elie Columbia Broadcasts.

7.15 p.m.—A talk on Cricket Activities—England XI v. South Australia at Adelaide.

7.30 p.m.—Kennerley Boys Concert Party.

Kennerley Boys, Parts songs with violin

Obligato:

(a) "Beauty's Eyes" (Tosti).

(b) "When song is sweet" (Gertrude Sans Souci).

Kennerley Boys, Songs in Unison:

(a) "When the Sgt. Major's on Parade" (Longstaffe).

(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 Favoured Isle" (Australia).

Kennerley Boys, Hand Bells:

(a) "Danny Boy."

(b) "Sweet Chiming Bells."

Kennerley Boys, Part Songs:

"Elphin Call" (Glover).

"Perfect Day" (Carrie Jacobs-Bond).

Kennerley Boys, Hand Bells:

(a) "Convent Bells."

(b) "Good Night."

(c) "Chapel Chimes."

8.45 p.m.—J. M. Counsell:

"A Musical half hour with the old Masters."

The History and Development of Music.

9.30 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 Messrs Wise and Stirling.

Messrs. Roberts and Co., and Messrs

A. G. Webster and Son.

10 p.m.—G.P.O. Clock chimes the hour.

God Save The King.

Close down.

Saturday, October 27New 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 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." 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.
 Note.—A complete description of the Moorefield Races will be given by the 2FC Racing Commissioner.
 Progress cricket scores of the Sheffield Shield Match, New South Wales versus Queensland, played at Brisbane.
 Progress cricket scores of the International Match, England versus South Australia, at Adelaide.
 During racing and sporting intervals, the following musical items will be given from the studio:
 The Tune-ful Three, instrumentalists.
 Florence Page, songs at the piano.
 Peggy Shaw, popular songs.
 The Ambassadors' Dance Orchestra, conducted by Manuel Hyman.
 5.45 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.—Children's Session, conducted by the "Hello Man."
 Letters and stories.
 Music and entertainment.
 6.30 p.m.—Weather intelligence, shipping news, 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:
 "Sunshine" (Berlin).
 "Serenade Espagnole" (Alheniz).
 "The Arcadians" (Monckton).
 "Abandonnee" (Franceschi).
 "Without You, Sweetheart" (Henderson).
 "Gipsy Love Song" (Herbert).

NIGHT SESSION.

- 7.40 p.m.—Programme announcements.
 7.45 p.m.—Pianoforte Selection.
 8 p.m.—"Big Ben."
 Bartie Philip, Baritone:
 (a) "Song of the Volga Boatmen" (Koeneman arr.).
 (b) "Obstination" (Fontenaires).
 8.7 p.m.—Lionel Lawson, violinist.
 8.15 p.m.—From the Sydney Town Hall:
 Items from the Concert arranged by The Anzac Fellowship of Women on the occasion of the Bicentenary of Captain Cook's birth.
 9.15 p.m.—From the Studio:
 Late Weather forecast.
 The N.S.W. Broadcasting Company's Orchestra, conducted by Willie Redstone.
 9.30 p.m.—Bartie Philip, Baritone:
 (a) "Pale Moon" (Logan).
 (b) "To a Miniature" (Brahe).
 9.37 p.m.—The N.S.W. Broadcasting Company's Orchestra.
 9.50 p.m.—Captain Fred Aarons:
 "To-night's Anniversary."
 9.53 p.m.—Lionel Lawson, Violinist:
 10 p.m.—"Big Ben." The N.S.W. Broadcasting Company's Orchestra.

10.15 p.m.—Details of the Eisteddfod.
 10.18 p.m.—The N.S.W. Broadcastig Company's Orchestra.
 10.30 p.m.—Late Weather forecast.
 The Ambassaors' Danc Orchestra, conducted by Manuel Hyman.
 10.57 p.m.—To-morrow's programme and late news.
 11 p.m.—"Big Ben." The Ambassadors' Dance Orchestra.
 11.30 p.m.—National Anthem.
 Close down.

2BL, SERVICE.

SATURDAY, 27th OCTOBER, 1928.

MORNING SESSION.

8.0 a.m.—G.P.O. Clock and Chimes.
 Metropolitan Weather Report.
 8.1 a.m.—State Weather Report.
 8.3 a.m.—Studio Music.
 8.15 a.m.—G.P.O. Clock and Chimes.
 News from "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.
 9.0 a.m.—G.P.O. Clock and Chimes.
 Studio Music.
 9.30 a.m.—A Reading.
 9.40 a.m.—Studio Music.
 10.0 a.m.—G.P.O. Clock and Chimes.
 Close Down.

MIDDAY AND AFTERNOON SESSIONS.

11.0 a.m.—G.P.O. Clock and Chimes.
 Women's Session.
 11.30 a.m.—Talk on "Gardening," by Mr. G. Cooper, Park Superintendent, City Council.
 12.0 noon.—G.P.O. Clock and Chimes.
 Special Ocean Forecast and Weather Report.
 12.3 p.m.—Studio Music.
 12.30 p.m.—What's on at the Pictures and Theatres.
 12.35 p.m.—"Sun" News Service.
 12.45 p.m.—Studio Music.
 1.0 p.m.—G.P.O. Clock and Chimes.
 Studio Music.
 1.25 p.m.—"Sun" News Service.
 1.40 p.m.—Studio Music.
 2.0 p.m.—G.P.O. Clock and Chimes.
 Close Down.

AFTERNOON SESSION.

Note: During the Afternoon, race results from Moorefield races will be broadcast as received by courtesy of the "Sun" newspapers.
 Scores from the matches, N.S.W. verses Queensland played at Brisbane and England verses South Australia played at Adelaide will be broadcast during the afternoon.
 3.45 p.m.—G.P.O. Clock and chimes.
 Musical programme from the studio.
 4 p.m.—The Four Kellys, instrumentalists:
 (a) "Gondoliers" (Godfrey).
 (b) "Side by side" (Woods).
 (c) "Cock-a-doodle, I'm off my noodle" (Johnson).
 4.12 p.m.—"Sun" news service.
 4.22 p.m.—Miss Germaine Casier in Popular number:
 "Is it gonna be long" (Cowan).
 4.26 p.m.—Miss Una Power, violinist:
 (a) "Menuett" (Mozart).
 (b) "Mazurka" (Chopin).
 4.36 p.m.—Miss Anne Melhuish, soprano:
 (a) "The Dawn" (D'Hardelot).
 (b) Two little Irish Songs:
 1. "To my first love" (Lohr).
 2. "You'd better ask me" (Lohr).
 4.43 p.m.—The Four Kellys:
 (a) "Ronde de Lutins" (Bazzini) solo.
 (b) "Ave Maria" (Gounod).
 4.53 p.m.—Miss Germaine Casier:
 "When you played the organ" (Gilbert).
 4.57 p.m.—Miss Una Power:
 (a) "Chant Hindou" (Rimsky-Korsakov).
 (b) "Liebesleid" (Kreisler).

5.7 p.m.—"Sun" news service.
 5.17 p.m.—Miss Anne Melhuish:
 (a) "Pleading" (Elgar).
 (b) "The Reason" (Del Riego).
 5.24 p.m.—The Four Kellys:
 (a) "Romona" (Wayne).
 (b) "In a Monastery Garden" (Kettleby).
 (c) "Is she my girl friend" (Yellen and Ager).
 5.38 p.m.—Racing resume.

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.
 6.50 p.m.—"Sun" news and late sporting.
 6.40 p.m.—2BL DINNER QUARTETTE:
 (a) "Arabesque" (Telma).
 (b) "Country Dance" (Beethoven).
 (c) "The Blue Danube" (Strauss).
 (d) "Andante and Pas des Voiles" (Delibes).
 (e) "The Barber of Seville" (Rossini).
 (f) "A Toi" (Czibulka).
 (g) "Camel Bells" (Lohr).
 7.10 p.m.—Complete racing resume.
 Complete Sporting resume.
 7.25 p.m.—Advertising Talks and studio items.
 7.57 p.m.—Programme and other announcements.

EVENING SESSION.

8 p.m.—G.P.O. Clock and Chimes.
 2BL Topical Chorus.
 9.3 p.m.—Programme broadcast from "Bodington" Hospital, Wentworth Falls.
 Musical Items by:
 Miss Mildred Nicoll (Comedienne).
 Mr. W. E. Lewis (Baritone).
 Miss Dorrie Ward (Soprano).
 Mr. Charles Lawrence (Entertainer at the Piano).
 Mr. Harrison White and "Connie" in Banjo and Piano duets.
 Miss Amy Ostinga (Contralto).
 Mr. Jack Cannott (Comedian).
 9.30 p.m.—From the Studio:
 Details of Radio Eisteddfod.
 9.33 p.m.—Mr. Harry Graham and Dorothy Manning (Entertainers).
 9.43 p.m.—Heyes' Banjo Band:
 (a) "Return of the Caravan" (Derwin).
 (b) "Down Main Street" (Weit).
 9.50 p.m.—Miss Bertha Waters (Soprano).
 9.57 p.m.—Mr. Harry Graham and Dorothy Manning.
 10.7 p.m.—Heyes' Banjo Band:
 (a) "All Star Waltz" (Smith).
 (b) "Carita" (Weidt).
 10.14 p.m.—Miss Bertha Waters (Soprano).
 10.21 p.m.—Resume of following day's programme.
 10.25 p.m.—The Wentworth Cafe Dance Orchestra, under the direction of Mr. Jimmy Elkin's, broadcast from the Wentworth.
 During intervals between dances, "Sun" news will be broadcast.
 11.30 p.m.—National Anthem.

3LO, MELBOURNE.

SATURDAY, 27th OCTOBER, 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.—Time Signal; Express Train Information.
 8.1 a.m.—Morning Melodies.
 8.15 a.m.—Close Down.

MORNING SESSION.

Announcer: C. J. O'Connor.
 Accompanist: Agnes Fortune.
 11.0 a.m.—THE STRAD TRIO:
 "Trio in C Minor, Op. 3" (Beethoven).
 Allegro con brio.
 Andante and Variations.
 Prestissimo.
 11.20 a.m.—JULIA RUSSELL, Soprano:
 "O Lovely Rose" (McDowell).
 "What's in the Air To-day" (Eden).

11.27 a.m.—MAY BRODERICK, Piano:
 "Andante and Ronda Capriccioso" (Mendelssohn).

INTERLUDE.

11.34 a.m.—ERIC WELCH will speak on today's races at Moonee Valley.
 11.43 a.m.—JULIA RUSSELL, Soprano:
 "The Maids of Cadiz" (Delibes).
 "Thoughts Have Wings" (Liza Lehmann).
 11.50 a.m.—THE STRAD TRIO:
 "Romance" (Hummel).
 "Tango" (Albeniz).
 "Cannon" (Lavater).
 "Guitar Player" (Schytte).

MIDDAY SESSION.

12.0 noon.—Melbourne Observatory Time Signal.
 12.1 p.m.—Metal Prices received by the Australian Mines and Metals Association from the London Stock Exchange this day; British Official Wireless News from Rugby; Reuter's and the Australian Press Association Cables; "Argus" News Service.
 12.20 p.m.—THE STATION ORCHESTRA:
 "Melodies" (Mendelssohn).
 12.30 p.m.—ESTELLE MARK TRIO:
 Margot Sheridan, Piano:
 "Serenade" (Rachmaninoff).
 ESTELLE MARK, Soprano:
 "Only a River Running By" (Hopkins).
 CECILIA KILDUFF, Violin:
 "Nocturne in E Flat" (Chopin-Sarasate).
 12.45 p.m.—Stock Exchange Information.
 12.48 p.m.—DOROTHY ROXBURGH, Viola:
 Selected.
 12.53 p.m.—THE STATION ORCHESTRA:
 "Romance" (Sibelius).
 1.0 p.m.—Melbourne Observatory Time Signal.
 1.1 p.m.—THE RUSSIAN IMPERIAL TRIO:
 "Souvenir" (Nichols).
 "Are You Lonesome To-night?"
 (Turk and Hardman).
 "Just Another Day Wasted Away"
 (Turk and Tobias).
 "Russian Romances."
 1.15 p.m.—Meteorological Information;
 Weather Forecast for Victoria, Tasmania, South Australia, New South Wales; Ocean Forecasts; River Reports.
 1.22 p.m.—STANLEY J. ALLEN, Tenor:
 "There is a Flower that Bloometh" (Wallace).
 "Adrift."
 1.29 p.m.—THE STATION ORCHESTRA:
 "Spanish Dance"—Malaguena (Moszkowski).
 "Paraphrase on Melody in F" (Rubinstein).
 1.37 p.m.—STANLEY J. ALLEN, Tenor:
 "M'appari tutt amor" (Flotow).
 "Go Not, Happy Day."
 1.45 p.m.—Close Down.

AFTERNOON SESSION.

1.58 p.m.—Description of the Mia Mia Hurdle Race, 2 miles, MOONEE VALLEY CUP MEETING, by Eric Welch.
 2.5 p.m.—Description of Events at HENLEY-ON-THE-YARRA Carnival.
 2.15 p.m.—Description of the Pennant Cricket Match, University v. Richmond, at Richmond, by Rod McGregor.
 2.27 p.m.—Description of the St. Albans Handicap for Two-year-old Colts and Geldings, 4 furlongs, MOONEE VALLEY CUP MEETING, by Eric Welch.
 2.35 p.m.—Description of the Pennant Cricket Match, University v. Richmond, at Richmond, by Rod McGregor.
 2.57 p.m.—Description of the W. S. Cox Plate, 9½ furlongs, MOONEE VALLEY CUP MEETING, by Eric Welch.
 3.5 p.m.—"The Henley Girl," by "DOMINA."
 3.15 p.m.—Description of the Pennant Cricket Match, University v. Richmond, at Richmond, by Rod McGregor.
 3.27 p.m.—Description of the MOONEE VALLEY GOLD CUP, 1 mile 3½ furlongs, by Eric Welch.
 3.35 p.m.—Description of Events at the HENLEY-ON-THE-YARRA Carnival.
 3.45 p.m.—Sonora Recital.
 3.57 p.m.—Description of the Broadmeadows Steeplechase, 2 miles 8 chains, at MOONEE VALLEY CUP MEETING, by Eric Welch.
 4.5 p.m.—"The Henley Girl," by "DOMINA."
 4.15 p.m.—Description of the Pennant Cricket Match, University v. Richmond, at Richmond, by Rod McGregor.

- 4.27 p.m.—Description of the St. Albans Handicap, for two-year-old fillies, 4 furlongs, at MOONEE VALLEY CUP MEETING, by Eric Welch.
- 4.35 p.m.—Description of Events at the HENLEY-ON-THE-YARRA Carnival.
- 4.45 p.m.—Description of the Pennant Cricket Match, University v. Richmond, at Richmond, by Rod McGregor.
- 4.57 p.m.—Description of the Dundonald Handicap, 6 furlongs, at MOONEE VALLEY CUP MEETING, by Eric Welch.
- 5.5 p.m.—Description of the Pennant Cricket Match, University v. Richmond, at Richmond, by Rod McGregor.

NEWS SESSION.

- 5.15 p.m.—"Herald" News and Progress Results of the Henley Events.
- 5.25 p.m.—Description of the Pennant Cricket Match, University v. Richmond, at Richmond, by Rod McGregor.
- 5.35 p.m.—Close Down.

During the afternoon results of the Children's Races will be given as they come to hand, also progress scores of the Cricket Match, England v. South Australia, at Adelaide.

Progress results will be given also of the League of Victorian Wheelmen's road race, Melbourne to Ballarat and return.

EVENING SESSION.

- 5.50 p.m.—Sporting Results. (Any later results will be given from 3AR at 8 p.m.)
- 6.0 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 about the vain little mouse named "Twenty-three," and then—the fourth instalment of "Marooned on the Island of Eileann-a-sidhe."
- During November, commencing Saturday next, "Little Miss Kookaburra" will tell the stories specially chosen by her "Little Kookaburres." Heading the list are the well-known old favorites, "Cinderella," etc.

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.
- 7.30 p.m.—News Session.
- 7.40 p.m.—BIRTHDAY GREETINGS.
- 7.42 p.m.—OUT OF THE PAST.
- 7.43 p.m.—Closing Scores of Sheffield Cricket Match, Queensland v. N.S.W., at Brisbane.
- 7.46 p.m.—DR. J. A. LEACH will speak on: "Quail."
- 8.0 p.m.—A MAKER OF HISTORY.
PROGRAMME ANNOUNCEMENTS.
Tasmanian Letter to 3LO from "The Courier," Launceston.
- 8.1 p.m.—THE STATION ORCHESTRA:
"Prelude in G Minor" (Rachmaninoff).
"Serenade Norwegienne" (Sandre).
- 8.11 p.m.—THE RADIO MERRYMAKERS:
"A Little Surprise."
- 8.41 p.m.—THE STATION ORCHESTRA:
"Gipsy Rondo."
- 8.47 p.m.—The Record Feature of the Week.
- 8.50 p.m.—ERIC WELCH will describe tonight's events at the Stadium.
- 10.15 p.m.—THE STATION ORCHESTRA:
"Serenade" (Schubert).
- 10.20 p.m.—ELSY TREWEEK, Soprano:
"Request Items."
- 10.27 p.m.—STEWART AND LORRAINE:
"Humorous Instrumentalists."
- 10.34 p.m.—ELSY TREWEEK, Soprano:
"Selected."
- 10.40 p.m.—THE STATION ORCHESTRA:
"Atonement of Pan" (Hadley).

- 10.50 p.m.—Late Sporting Results.
- 10.55 p.m.—OUR GREAT THOUGHT:
"Moderation is the silken string running through the pearl-chain of all virtues."
—FULLER.
- 11.0 p.m.—THE RADI-O-ACES.
- 11.40 p.m.—God Save the King.

3AR, MELBOURNE.

SATURDAY, 27th OCTOBER, 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:
"Lonely in a Crowd" (Greer).
"Louisiana" (Shafer).
"Nesting Time" (Nussbaum).
- 11.15 a.m.—Marcelle Berardi, soprano:
"Villanelle" (Dell'Acqua).
"Rain in the Night" (Versel).
- 11.22 a.m.—Radi-o-Aces:
"Just a Year Ago, To-night" (Rose).
"Golden Gate" (Jolson).
"Harvest Moon" (Baye).
- 11.37 a.m.—Marcelle Berardi, soprano:
"Air des bijoux," from "Faust" (Gounod).
"The Little Bells of Seville" (Homers).
- 11.44 a.m.—Radi-o-Aces:
"Rain" (Ford).
"Mine, All Mine" (Ruby).
"The Wedding Waltz" (Gilbert).
- 12 noon.—Close down.

AFTERNOON SESSION.

- 3 p.m.—Station Orchestra:
"Mendelssohn Melodies."
- 3.15 p.m.—The Sundowners' Male Quartette:
"Kentucky Babe" (Geibel).
"Nigger Nonsense" (Own arr.).
- 3.22 p.m.—Station Orchestra:
"Pagliacci" (Puccini).
- 3.32 p.m.—Tom Semple, tenor:
"Thanks to My Brethren" (Handel).
"How Vain Is Man."
- 3.40 p.m.—Station Orchestra:
Selections from "The Desert Song" (Romberg).
- 3.50 p.m.—Estelle Mark Trio—Estelle Mark, soprano; Margot Sheridan, piano; Cecilia Kilduff, violin.
Piano, "Forest Lullaby" (Roger Quilter).
Song, "Pearls" (Herbert Olive).
Violin, "Two Old English Dances."
- 4.5 p.m.—Station Orchestra:
"Three Famous Pictures" (Haydn Wood).
- 4.15 p.m.—Robert Gillard, bass:
"Song of Hybras the Cretan" (Elliott).
"A Song of Hope" (Wood).
- 4.22 p.m.—Station Orchestra:
"Manon Lescaut" (Puccini).
- 4.32 p.m.—The Sundowners' Male Quartette:
"Souvenirs" (Nicholls).
"Querida" (Simon).
- 4.40 p.m.—Station Orchestra:
"Sylvan Scenes" (Fletcher).

EVENING SESSION.

- 5 p.m.—Recordings of the world's most famous artists.

NIGHT SESSION.

- 8 p.m.—All sporting results.
- 8.30 p.m.—Final concert of the Colac Musical and Elocutionary Competition, transmitted from Victoria Hall, Colac.

FROM THE STUDIO.

- 10.45 p.m.—To-day's sporting results.
- 10.58 p.m.—Weather forecast.
- 10.59 p.m.—Our Australian Good Night Quote.
- 11 p.m.—God Save the King.

4QG, BRISBANE

SATURDAY, 27th OCTOBER, 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 MIDDAY TRANSMISSION.

AFTERNOON SESSION.

- From Albion Park, B.A.T.C. races.
- 5 p.m.—Close down.

EARLY EVENING SESSION.

- 6 p.m.—News bulletin for distant listeners, supplied by courtesy of "The Queenslander."
- 6.20 p.m.—Bedtime stories by Uncle Ben and Uncle Pete.
- 7.15 p.m.—Racing results.
- 7.20 p.m.—To-day's sporting news described.
- 7.30 p.m.—Sailing notes by Mr. Fred Smith.

NIGHT SESSION.

- 8 p.m.—From All Saints' Hall:
St. David's Society Eisteddfod.
- 9 p.m.—From Lennon's Ballroom:
Douglas Drouyn and his Lennon's Hotel Orchestra.

SPEEDWAY.

- At suitable times between 9 and 10 p.m., descriptions of the motor cycle races will be relayed from the Davis Park Speedway.
- 10 p.m.—Late news; Weather news.
Close down.

5CL, ADELAIDE

SATURDAY, 27th OCTOBER, 1928.

MORNING SESSION.

- 11 a.m.—G.P.O. Chimes.
- 11.1 a.m.—Last minute racing selections by the Special Racing Commissioner of 3LO Melbourne.
- 11.3 a.m.—"The Advertiser" general news service.
- 11.17 a.m.—British Official Wireless news.
- 11.22 a.m.—Studio "Recreator":
Recital of Parlophone recordings.
- 11.45 a.m.—Last minute racing selections by the Special Racing Commissioner of 3LO Melbourne.
- 11.55 a.m.—5CL's Sporting Calendar.
- 12 noon.—G.P.O. Chimes, and close down.

AFTERNOON SESSION.

- 2 p.m.—G.P.O. Chimes.
- 2.1 p.m.—Moonee Valley, and Murray Bridge racing results.
- 2.5 p.m.—William Davies, xylophonist:
Popular song hits.
- 2.12 p.m.—Studio "Recreator":
Recital of Parlophone recordings.
- 2.27 p.m.—Len Maurice, Whispering baritone:
"Chloe" (Moret).
"Spanish Moon" (Terese).
- 2.34 p.m.—Studio "Recreator":
Recital of Parlophone recordings.
- 2.49 p.m.—Molly Mackay, soprano:
Selections from her repertoire.
- 2.55 p.m.—Studio "Recreator":
Recital of Parlophone recordings.
- 3 p.m.—G.P.O. Chimes.
- 3.1 p.m.—Moonee Valley, and Murray Bridge racing results.
- 3.5 p.m.—Joe Brennan and Ida Newton:
Ten minutes fun and harmony.
- 3.15 p.m.—Studio "Recreator":
Recital of H.M.V. recordings.

3.30 p.m.—William Davies, Xylophonist:
Popular song hits.
3.37 p.m.—Studio "Recreator":
Recital of Columbia recordings.
Moonee Valley, and Murray Bridge Racing results.
3.52 p.m.—Len Maurice, Whispering baritone:
"Moonlight on the Danube" (Gay).
"An Old Guitar" (Meret).
4 p.m.—G.P.O. Chimes.
4.1 p.m.—Moonee Valley, and Murray Bridge racing results.
4.5 p.m.—Studio "Recreator":
Recital of Columbia recordings.
4.20 p.m.—Molly Mackay, soprano:
Selections from her repertoire.
4.27 p.m.—Studio "Recreator":
Recital of H.M.V. recordings.
4.42 p.m.—Joe Brennan:
Selections.
4.46 p.m.—Studio "Recreator":
Recital of Columbia recordings.
4.56 p.m.—Resume of previous racing results.
5 p.m.—G.P.O. Chimes, and close down.

EVENING SESSION.

6 p.m.—G.P.O. Chimes.
6.1 p.m.—Resume of racing results.
6.10 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.
7 p.m.—G.P.O. Chimes.
7.1 p.m.—S. C. Ward and Co.'s Stock Exchange information.
7.10 p.m.—Rev. G. Hale, B.A.:
Will speak on "The Qualities of a statesman"
7.25 p.m.—Moonee Valley, and Murray Bridge Racing results.
7.35 p.m.—C. G. Riley:
Will speak on "Items of Interest."
7.45 p.m.—5CL's Sporting Service by "Silvius"

NIGHT SESSION.

8 p.m.—G.P.O. Chimes.
8.1 p.m.—Len Maurice, Whispering Baritone:
"Wide open spaces."
"In our honeymoon cottage."
8.8 p.m.—Helena Fisher, violinist:
Selected Violin solos.
8.15 p.m.—Molly Mackay, soprano:
Selections from her repertoire.
8.22 p.m.—Seth Smith, banjoist:
"Cheerio" (Stainer).
"Mexican Ride" (Hucke).
8.29 p.m.—The Maison Dance Band, Transmitted from Glenelg:
Dance numbers.
8.44 p.m.—Joe Brennan and Ida Newton:
Ten minutes music and frivolity.
8.54 p.m.—Helena Fisher, violinist:
Selected violin solos.
9 p.m.—G.P.O. Chimes.
9.1 p.m.—Meteorological information.
9.2 p.m.—Molly Mackay, soprano:
Selections from her repertoire.
9.9 p.m.—Seth Smith, banjoist:
"Are you thinking of me to-night."
"The Winning Fight."
9.16 p.m.—Courtney Ford and Gladys Gaul:
One Act Play:
"After the show."
9.30 p.m.—Joe Brennan and Ida Newton:
More music and frivolity.
9.40 p.m.—The Maison Dance Band:
Transmitted from Glenelg.
Dance numbers.
10 p.m.—G.P.O. Chimes.
10.1 p.m.—5CL's Sporting Service by "Silvius"
10.12 p.m.—The Maison Dance Band:
Dance numbers.
10.57 p.m.—Meteorological information, and Programme announcements.
11 p.m.—God Save The King.

6WF, PERTH.

SATURDAY, 27th OCTOBER, 1928.

MIDDAY SESSION.

12 noon.—Tune in.
12.5 p.m.—Musical programme, including pianoforte 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.
1.2 p.m.—Close down.

AFTERNOON SESSION.

1.55 p.m.—Tune in.
2 p.m.—At Ascot Racecourse.
A running commentary will be given of the various racing events, relayed from Ascot Racecourse.
3.35 p.m.—Musical programme from the studio, including vocal and instrumental artists.
General sporting news.
5.15 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.—Market, 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 the Claremont Speedway.
9 p.m.—Late News items by courtesy of "The Daily News" newspaper Co.
Ship within range announcement.
Weather report and forecast.
Station announcements.
Sports results.
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, 27th OCTOBER, 1928.

MIDDAY SESSION.

11.30 a.m.—Melody Making moments.
11.40 a.m.—Transmission from T.C.A. Ground.
Description of School Cricket, Hutchins, v. Clemes College.
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.—Melody making moments.
12.10 p.m.—British Official Wireless news.
12.26 p.m.—Transmission from T.C.A. Ground.
Description of School Cricket, Hutchins, v. Clemes College.
12.30 p.m.—Anticipations—3LO Sporting Commissioner, last minute selections for Melbourne races.
12.33 p.m.—Melody making moments.
12.55 p.m.—"Mercury" news service.
Produce sales held at Railway.
1.5 p.m.—Melody making moments.
1.30 p.m.—Close down.

AFTERNOON SESSION.

2 p.m.—Running Description of Mia Mia Hurdle Race, Moonee Valley Races, Melbourne.
2.5 p.m.—Close down.
2.50 p.m.—Running Description of St. Albans Handicap for Colts and Geldings, Moonee Valley Races, Melbourne.
2.35 p.m.—Close down.
3 p.m.—Running Description of W. S. Cox Plate, Moonee Valley Races, Melbourne.
3.5 p.m.—Melody Making Moments.
3.30 p.m.—Running Description of Moonee Valley Gold Cup, Moonee Valley Races, Melbourne.
3.35 p.m.—Melody making moments.
4 p.m.—Running Description of Broadmeadows Steeple Race, Moonee Valley, Melbourne.

4.5 p.m.—Melody making moments.
4.30 p.m.—Running Description of St. Albans Race for Fillies, Moonee Valley Races, Melbourne.
4.35 p.m.—Melody making moments.
4.55 p.m.—Repeat of all Sporting information.
5 p.m.—Running description of Dundonald Handicap, Moonee Valley Races, Melbourne.
5.5 p.m.—Close down.
Should the Cricket season open on this day, the Match that takes place on the T.C.A. Ground will be broadcast.
Progress results of Henley on Yarra will be given during the afternoon as they come to hand.

EARLY EVENING SESSION.

6 p.m.—All Sporting results to hand.
6.15 p.m.—Melody making moments.
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.—Melody making moments.
7.15 p.m.—"Mercury" special information.
Hobart Stock Exchange Quotations.
To-day's Golf, Athletics, Racing, Cricket.
"Mercury" late sporting.
Results of New Town Egg Laying Competition. Homing.

EVENING SESSION.

7.30 p.m.—Walter Lindrum, Australia's Champion Billiardist, will speak on:
"How to improve Your Billiards."
7.45 p.m.—J. M. Counsel will give a Short talk on Capt. Cook who was born on the 27th October, 1728.
"Foremost Captain of his time,
Rich in saving common-sense,
And, as the greatest only are,
In his simplicity sublime."
8 p.m.—G.P.O. Clock chimes the hour.
8.1 p.m.—Fifty Years Ago to-day:
"All our past proclaims our future."
"Swinburn"
8.2 p.m.—Melody making moments.
8.30 p.m.—Transmission from the Continental, Macquarie Street, Hobart.
Dance Music By The Continental Orchestra. (Conductor, Theo Pipkin).
Interspersed with Gramophone records and Player Rolls.
Continental Orchestra:
"The Man I Love" (Gershwin).
"Varsity Drag" (Brown).
"Without you Sweetheart" (De Sylva).
"Rag Doll" (Brown).
"Chiquita" (Wayne).
"Cheerie-Beerie Be" (Wayne).
"Gotta big date with a little girl" (Tobias).
"Mary Ann" (Silver).
"After my laughter came tears" (Tobias).
"Dusky Stevedore" (Johnson).
"Coquette" (Kahn).
"Rain" (Ford).
"Rio Rita" (Tierney).
"Is it gonna be long" (Cowan).
"Was it a dream" (Coslow).
"Girl of my Dreams" (Clapp).
"I'm wingin' home" (Russell).
"Kinkajou" (Tierney).
"My Melancholy Baby" (Norton).
"The Blue Room" (Rovers).
"Sometimes I'm Happy" (Youmans).
"Hallelujah" (Youmans).
10.20 p.m.—British Official Wireless news.
"Mercury" special Interstate news service.
Ships within Wireless range.
Tasmanian District Weather reports.
10.24 p.m.—God Save The King.
Close down.

Sunday, October 28

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 the Lyceum
 Hall, Pitt Street, Sydney:
 THE MORNING SERVICE.
 Approx.
 12.15 p.m.—Close Down.

AFTERNOON SESSION.

2.30 p.m.—Programme Announcements.
 2.32 p.m.—Children's Session, conducted by
 A. S. Cochran.
 3.0 p.m.—Pianoforte Reproduction.
 3.10 p.m.—Eileen Moreau, Soprano:
 (a) "Still as the Night" (Bohm).
 (b) "Songs My Mother Taught Me"
 (Dvorak).
 3.16 p.m.—Russell Callow, Dramatic Tenor:
 (a) "The Last Hour" (Walter Kramer).
 (b) "God Touched the Rose" (Mary Brown).
 3.23 p.m.—Enid Hynes:
 Pianoforte Solo.
 3.31 p.m.—Eileen Moreau, Soprano:
 (a) "Thank God for a Garden" (Del Riego).
 (b) "Down in the Forest" (Ronald).
 3.38 p.m.—Russell Callow, Dramatic Tenor:
 (a) "Maire My Girl" (George Aitken).
 (b) "The Living God" (Geoffrey O'Hara).
 3.45 p.m.—From the Grand Opera House,
 Sydney:
 Lecture by Mr. Stuart Booth, C.S.B., of
 Denver, Colorado, U.S.A., on Christian
 Science in this City.
 5.0 p.m.—"Big Ben." Close Down.

EVENING SESSION.

6.0 p.m.—"Big Ben." Programme Announcements.
 6.2 p.m.—Details of the Radio Eisteddfod.
 6.5 p.m.—C. H. Hall will conclude his series
 of talks: Out and about in Iraq and Persia.
 "Persian Arched Gardens."
 6.20 p.m.—From the Congregational Church,
 Petersham: Organ and Orchestral Recital:
 Organist, Ambrose F. Gibbs, L.L.C.M.
 Orchestra Conductor, Roy Scott.
 Soloist, Herbert Hinton.
 Orchestra:
 "Grand Offertoire in D Major" (Battiste).
 Vocal:
 "The Watchman" (Squire).
 From the Petersham Congregational Church:
 Orchestra:
 "Andante," from Violin Concerto (Mendelssohn).
 Vocal:
 "Give" (Lohr).
 Orchestra:
 Cathedral Chimes.
 7.15 p.m.—The Evening Service, conducted by
 Rev. A. P. Doran.
 8.35 p.m.—From the Studio:
 The New South Wales Tramway Band,
 conducted by S. M. Heron:
 (a) March, "Washington Greys" (Grafulla).
 (b) Overture, "O'er Hill and Dale" (Dui).
 8.50 p.m.—Gladys Verona, Soprano:
 (a) "Air d' Ophebe" (Thomas).
 (b) "Romance" (Debussy).
 9.0 p.m.—"Big Ben."
 The N.S.W. Tramway Band:
 Selection, "Songs of Balfe" (Balfe).
 9.12 p.m.—Vladimir Elin, Russian Baritone:
 (a) "Morning" (Tchaikowsky).
 (b) "Wherefore" (Tchaikowsky).
 9.20 p.m.—The N.S.W. Tramway Band:
 (a) Waltz, "The Prairie Queen" (Greenwood).
 (b) Hymn, "Abide With Me" (Monk).
 9.31 p.m.—Gladys Verona, Soprano:
 (a) "Phyllis Has Such Charming Graces"
 (Young).
 (b) "My Lovely Celia" (Munro).
 9.40 p.m.—The N.S.W. Tramway Band:
 (a) Fantasia, "Songs of Gallant Wales."
 (b) Waltz, "La Senga" (Ord Hume).
 (c) March, "The Old Cork Road" (Adams).
 10.2 p.m.—Vladimir Elin, Russian Baritone:
 (a) "New Hopes" (Tchaikowsky).
 (b) "Heed Not" (Tchaikowsky).
 10.12 p.m.—Pianoforte Recital.
 10.30 p.m.—National Anthem. Close Down.

2BL, SERVICE.

SUNDAY, 28th OCTOBER, 1928.

MORNING SESSION.

11.0 a.m.—G.P.O. Clock and Chimes.
 Service Broadcast from Chalmers' Presbyterian Church. Minister, Rev. D. F. Brandt.
 12.15 p.m.—"Sun" News Service.
 12.30 p.m.—Musical Programme from the Studio.
 2.0 p.m.—G.P.O. Clock and Chimes.
 Close Down.

AFTERNOON SESSION.

3.0 p.m.—G.P.O. Clock and Chimes.
 Anniversary Service Broadcast from Balmmain Presbyterian Church.
 4.0 p.m.—From the Studio:
 Appeals on Behalf of Lady Davidson Home and the Salvation Army.
 4.6 p.m.—Organ Recital by Mr. Nicholas Robins, broadcast from the Arcadia Theatre, Chatswood.
 5.0 p.m.—G.P.O. Clock and Chimes.
 Close Down.

EVENING SESSION.

5.45 p.m.—G.P.O. Clock and Chimes.
 Children's Session—Uncle Peter and the Kiddies.
 7.0 p.m.—Service Broadcast from St. Jude's Church of England, Randwick.
 8.30 p.m.—The North Sydney Tramway Band broadcast from Manresa Hall, North Sydney.
 9.15 p.m.—From the Studio:
 Details of Radio Eisteddfod.
 9.18 p.m.—Miss Molly de Gunst (Soprano):
 (a) "The Tryst" (Sibelius).
 (b) "A Soft Day" (Stanford).
 9.25 p.m.—Mr. Gerald Walenn (Violinist).
 9.32 p.m.—Mr. Raymond Beatty (Baritone):
 (a) "The Old Bard's Song" (Boughton).
 (b) "Four by the Clock" (Mallinson).
 9.39 p.m.—Miss Molly de Gunst.
 (a) "Love Flies on Rosy Pinion" (Verdi).
 (b) "Ja Cloche" (St. Saens).
 9.46 p.m.—Mr. Gerald Walenn.
 9.53 p.m.—Mr. Raymond Beatty:
 (a) "Requiem" (Shanks).
 (b) "Sombre Woods" (Lilly).
 9.59 p.m.—Resume of Following Day's Programme.
 10.0 p.m.—G.P.O. Clock and Chimes.
 National Anthem.

3LO, MELBOURNE.

SUNDAY, 28th OCTOBER, 1928.

MORNING SESSION.

10.30 a.m.—Express train information.
 10.31 a.m.—Bells from St. Paul's Cathedral.
 10.45 a.m.—MORNING SERVICE FROM ST. PAUL'S CATHEDRAL, MELBOURNE:
 Sentences.
 Exhortation.
 General Confession.
 Absolution.
 The Lord's Prayer.
 Versicles and Responses (Festal).
 Psalm 41.
 1st Lesson.
 Te Deum—Stanford in B flat.
 2nd Lesson.
 Benedictus.
 The Apostles' Creed.
 Versicles and Responses.
 The Collects.
 Anthem, Hubert Parry's Setting of John Milton's Ode, "At a Solemn Music."
 Intercessions.
 Hymn 248 (A. and M.), "Shepherd Divine."
 Sermon, THE DEAN.
 Hymn 201, "Where High the Heavenly Temple Stands."
 The Benediction.
 The collection will be given to the Hospital Fund.

FROM THE STUDIO.

12.15 p.m.—British Official Wireless News from Rugby. News from yesterday's papers.
 12.25 p.m.—Close down.

AFTERNOON SESSION.

2 p.m.—SONORA RECITAL of the WORLD'S MOST FAMOUS RECORDS:
 1—ORCHESTRAL:
 "Don Juan—Tone Pom"
 Op. 20, Parts 1, 2, 3 and 4.
 (R. Strauss).
 The Royal Philharmonic Orchestra. Conductor, Bruno Walter.
 2—CHOIR:
 "As Pants the Hart" (Spohr).
 Sheffield Choir, conducted by Sir Henry Coward. Soprano solo, Helen Talbot.
 3—VIOLINCELLO SOLO:
 "Berceuse de Jocelyn" (Godard).
 Felix Salmond.
 4—SONG:
 "For Thee" (Gordon).
 Barbara Maurel, mezzo-soprano.
 5—ORCHESTRAL:
 "The Gipsy Baron" (Johann Strauss).
 Parts 1 and 2.
 Johann Strauss and Symphony Orchestra.
 6—SONG:
 "Sittin' Thinkin'" (Tempest and Fisher).
 The Old Shepherd Song.
 Malcolm McEachern, bass.
 7—SONG:
 "Il Bacio"—the Kiss.
 Maria Kurenko, soprano.
 8—ORCHESTRAL:
 "Damnation of Faust"—Rakoczy March (Berlioz).
 "Damnation of Faust"—Dance of the Sylphes.
 The Halle Orchestra (Conductor, Sir Hamilton Harty).
 3 p.m.—PLEASANT SUNDAY AFTERNOON SERVICE, Central Mission, Wesley Church, Lonsdale Street, Melbourne:
 Chairman, REV. J. H. CAIN.

HOSPITAL SUNDAY.

Hymn No. 87, "What a Friend we have in Jesus."
 Prayer, Rev. J. H. Cain.
 Orchestral Selection, Mr. G. M. Williams, conductor.
 Hymn No. 100, "Have you had a Kindness Shown?"
 Quartette, The Kyneton Quartette Party.
 Orchestra.
 Quartette, The Kyneton Quartette Party.
 Notices. Offering and Orchestra.
 Address, DR. STANLEY ARGYLE.
 National Anthem.
 Benediction.
 4.30 p.m.—CLOSE DOWN.

EVENING SESSION.

5.45 p.m.—Shipping information.
 5.46 p.m.—Answers to letters and birthday greetings by "BOBBY BLUEGUM."
 6.25 p.m.—"BROTHER BILL:
 "Grace, Gumption and Grip."
 6.45 p.m.—Bells from St. Paul's Cathedral.

NIGHT SESSION.

7 p.m.—EVENING SERVICE FROM THE INDEPENDENT CHURCH, COLLINS ST., MELBOURNE:
 Hymn 4.
 Prayer and Lord's Prayer (repeated).
 Scripture Lesson.
 Hymn 610.
 Prayer.
 Anthem.
 Notices.
 Offerings.
 Hymn 457.
 Sermon, REV. DR. THOMAS YATES.
 Hymn 448 (omit verse 4).
 Benediction.

FROM THE STUDIO:

8.30 p.m.—Birthday Greetings and Programme Announcements.
 8.32 p.m.—TRIO (Henri Penn, piano; E. Lucas, flute; A. de Gillio, violin):
 "Serenade" (Braga).
 "Serenade" (Drigo).

8.38 p.m.—AUGUSTE de GILLIO, violin, and HENRI PENN, piano:
"Sonata for Violin and Piano in F" (Grieg).
8.54 p.m.—MINA HESELEVA, soprano:
"O Dry Those Tears" (Del Riego).
"Slave Song" (Del Riego).
9.1 p.m.—H. LUCAS, flute:
"Sonata" (Bach).
9.12 p.m.—HENRI PENN, piano:
"Rhapsodie No. 1" (Liszt).
9.22 p.m.—MINA HESELEVA, soprano:
"Ah! fors e Lui" (Verdi).
"He Loves Me Not" (Mascagni).
9.29 p.m.—MINIATURE CONCERT.
A. de Gillio, violin:
"Gypsy Dance" (Sarasate).
Henri Penn, piano:
"Musical Box" (Pouishnoff).
H. Lucas, flute:
"Gypsy Dance" (German).
The Trio:
"Ave Maria" (Bach).
9.50 p.m.—Argus news service. Announcements. Meteorological information.
10 p.m.—Close down.

3AR, MELBOURNE

SUNDAY, 28th OCTOBER, 1928.

MORNING SESSION.

10.45 a.m.—Announcements.
11 a.m.—Service from the Collins Street Baptist Church.
Preacher, Rev. W. D. Jackson, B.A.
Choir Director, Madame Ella Kingston.
Hymn, "Come and Rejoice with Me."
Scripture Reading St. John's Gospel Chapter 6, 1-21.
Five minutes' talk to boys and girls.
Children's Hymn.
Notices and Offering.
Anthem.
Prayer.
Hymn, "Fierce was the Wild Billow."
Sermon, St. John's Gospel, Chapter 6, verse 17.
Hymn, "Jesu, Lover of My Soul."
Benediction.

MIDDAY SESSION.

12.15 p.m.—Life-like reproductions of the World's Famous Artists.
2 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—Demonstration of the union of Art and Science.
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.—Coburg City Band:
Selection, "Musical Fragments" (Rimmer).
8.15 p.m.—Donian Quartette:
"Nobody Knows," Negro Spiritual (arr. Greville Cooke).
"Swing Low," Negro Spiritual (arr. Winifred Mitchell).
8.22 p.m.—Coburg City Band:
Selection, "Daughter of the Regiment" (Donizetti).
8.32 p.m.—Dorothy Turner Crawford, contralto:
"Wayfarer's Night Song" (Easthope Martin).
"Pilgrimage" (Meale).
8.39 p.m.—J. Howlett Ross, "Great Australians and their Work."
Alfred Deakin.
8.57 p.m.—Coburg City Band:
Waltz, "Vanity Fair" (Greenwood).
9.5 p.m.—Donian Quartette:
"The Sabbath Call" (Kreutzer).
"Moon Man" (Macy).
9.12 p.m.—Coburg City Band:
March, "Winning Fight" (Holtzman).
"Under the Banner of Victory" (Blon).

9.22 p.m.—Dorothy Turner Crawford, contralto:
"Summer Rain" (Willeby).
"Sally Horner" (Old Melody).
9.29 p.m.—Coburg City Band:
March, "The Liddy" (Alford).
"Swing Along" (Moorehouse).
9.39 p.m.—Donian Quartette:
"Lovely Night" (Chwatal).
"Trav'lin to de Grave," Negro Spiritual (arr. Wheddish).
9.46 p.m.—Coburg City Band:
Descriptive, "Alpine Echoes" (Truman).
March, "The Cossack" (Rimmer).
Waltz, "Woodland Blossoms" (Greenwood).
9.56 p.m.—"Age" News Service, exclusive to 3AR.
9.58 p.m.—Weather forecast.
10 p.m.—"God Save the King."

4QG, BRISBANE

SUNDAY, 28th OCTOBER, 1928.

MORNING SESSION.

11 a.m.—From St. John's Cathedral:
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.

6.30 p.m.—From the studio:
Greetings to little listeners and replies to letters.

NIGHT SESSION.

7 p.m.—From St. John's Anglican Cathedral:
Community singing.
7.30 p.m.—Evening service.

BAND CONCERT.

8.30 p.m.—From Wickham Park:
Band concert.
9.30 p.m.—Conclusion.

A RADIO DRAMA OF THE EAST.

Sequel to "The Jewel Ring of Mahomet."
(By W. S. Mew).

CAST.

Antone Carle (owner of the Krang Kuyu Guest House) E. Barry.
Menek Shah (an Abyssinian) H. Humphreys.
Miss Clare Allison Rita McAuliffe.
Inspector Brand (of the Mandalay Mtd. Police) W. S. Mew.
Austin Corry (an American) A. Rees.
Tony Clare R. Bruce.
9.30 p.m.—From The Studio:
Conclusion of the Radio Mystery Drama—"The Jewel Ring of Mahomet."
10.30 p.m.—Close down.

5CL, ADELAIDE.

SUNDAY, 28th OCTOBER, 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 St. Bartholomew's Church, Norwood:
Morning prayer.
Psalms 116 and 117.
Lessons.
Anthem, "But the Lord is Mindful of His Own."
Hymn 432.
Hymn 431.
Hymn 438.
Preacher, Archdeacon Moyes.
12.15 p.m. (approx.)—British official wireless news.
12.20 p.m.—Close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. chimes.
3.1 p.m.—Organ recital from the Adelaide Town Hall by the City Organist (Mr. W. R. Knox):
Chant, "Heroique" (Cesar Franck).
Variations, "Nearer My God to Thee" (arr. Knox).
Fred Williamson, tenor:
"Eleanore" (Taylor).
"Mother Macabree" (Ball).
W. R. Knox, organist:
"War March for Rienzi" (Wagner).
"The Funeral March for Sonata in B" Flat Minor" (Chopin).
Fred Williamson, tenor:
"Oft in the Silly Night."
"On Wings of Song" (Mendelssohn).
W. R. Knox, organist:
"Humoresque" (Dvorak).
"Dream Melody" (Knox).
"Paraphrase, Faust" (Gounod-Knox).
4 p.m.—G.P.O. chimes and close down.

EVENING SESSION.

6.0 p.m.—G.P.O. Chimes.
6.1 p.m.—Children's Happy Moments.
Birthday Greetings, Correspondence, Songs and Stories, by "Auntie Peggy."
6.30 p.m.—"The Bird Lady," and her "Sunshine Songsters."
6.55 p.m.—Running Time of the East-West Express and Station Announcements.
7.0 p.m.—G.P.O. Chimes.
7.1 p.m.—Evening Service from the Parkside Baptist Church.
Organ Voluntary, Miss G. Coudrey.
Sanctus.
Invocation.
Lord's Prayer (Chanted).
Hymn 672, "Father of Love and Power."
Scripture.
Psalm 90.
Hymn 750, "O Spirit of the Living God."
Announcements and Offertory.
Anthem, "Hark, Hark, My Soul."
Prayer.
Hymn.
Solo, Miss Gladys Moule.
Hymn 277, "Nearer, My God, to Thee."
Address, "The Old Church in a New Age."
Preacher, Rev. B. E. C. Tuck, B.A.
Hymn 478, "The Church's One Foundation."
Benediction.
Organ Closing Voluntary, Miss G. Coudrey.

NIGHT SESSION.

8.20 p.m.—Glenelg Municipal Band:
March, "Victor's Return" (Rimmer).
Overture, "Pique Dame" (Suppe).
8.31 p.m.—Margery Walsh, Soprano:
"Just Love Me" (Phillips).
"Dreams of Yesterday."
8.38 p.m.—Glenelg Municipal Band:
Air Varie, "Sandon" (Rimmer).
8.45 p.m.—Gordon Hele, Baritone:
"Follow Me 'Ome" (Kipling).
"The Sundowner."
8.52 p.m.—Lewis Jones, A.M.U.A., Violinist:
"Concerto in A Minor" (Vivaldi).
"Sonata in G Minor."
9.2 p.m.—Margery Walsh, Soprano:
"Song of Provence" (Del Acqua).
"White Shells."
9.9 p.m.—Glenelg Municipal Band:
Septette, "Lovely" (Hume).
Novelty, "Turkish Patrol."
9.19 p.m.—Gordon Hele, Baritone:
"Cloze Props."
Selected.
9.26 p.m.—Lewis Jones, A.M.U.A., Violinist:
"La Precieuse" (Kreisler).
"Cantilene" (Schafer).
9.36 p.m.—Glenelg Municipal Band:
Cornet Duet, "The Warblers."
(Soloists, H. Mallinder and J. DeMack).
Trombone Solo, "Joy Wheel"
(Soloist, E. Hansen).
9.45 p.m.—P. H. Nicholls.
Will speak on "Captain Cook."
10.0 p.m.—G.P.O. Chimes.
10.1 p.m.—British Official Wireless News, and Meteorological Information.
10.4 p.m.—Glenelg Municipal Band:
"Australasian."
10.6 p.m.—God Save the King.

6WF, PERTH

SUNDAY, 28th OCTOBER, 1928.

MORNING SESSION.

- 10.25 a.m.—Tune in.
 10.30 a.m.—Special half hour for the enthusiastic listeners.
 11 a.m.—Morning service relayed from Trinity 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.
 7.1 p.m.—Children's bedtime stories by Miss Edna Johnstone.
 7.15 p.m.—Talk: "First Aid" by Dr. Winifred Holloway, of London.
 7.30 p.m.—Evening service relayed from the Salvation Army Citadel, Perth.
 8.45 p.m.—A Relay:
 After-church service relayed from Queen's Hall, Perth.
 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, 28th OCTOBER, 1928.

MORNING SESSION.

- 10.45 a.m.—Bells from Trinity Church, Hobart.
 11 a.m.—Transmission from Saint David's Cathedral:
 Psalms, 116, 117.
 Hymns (Processional) 431.
 Hymns, 270, 261, 391.
 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.**CHILDREN'S HOUR.**

- 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 Swan Street Methodist Church, Anniversary Service, (Choir 250 Voices).
 Preacher, Rev. E. B. Bond.
 Hymns of Praise from book number seven.
 Hymn, No. 19, "We Will."
 Prayer on Lord's Prayer.
 Hymn, No. 7, "Gladness in the Message."
 Lesson.
 Solo and Chorus, Ida Hales, soloist:
 "You cannot smile in Vain."
 Notices and Offertory.
 Hymn, "Forward Hearts Aflame."
 Hymn, No. 18, "Opportunities."

ADDRESS.

- Hymn, No. 21, "Praise and Glory."
 Hymn, No. 17, "Sunshine and Shadow."
 Hymn, No. 9, "Close of Day."
 Benediction.
 8.25 p.m.—From the Studio:
 Sacred and Classical Excerpts by Mansel Sonora.

NEWS SESSION.

- 8.44 p.m.—"Mercury" special news service.
 Ships within Wireless range.
 Weather information.
 British Official Wireless news.
 God Save The King.
 Close down.

Monday, October 29

**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 selection.
 10.10 a.m.—"Sydney Morning Herald" news service.
 10.25 a.m.—Studio Music.
 10.30 a.m.—A Talk by the 2FC Racing Commissioner.
 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.
 12.10 p.m.—Summary of News: "Sydney Morning Herald."
 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.

- 2.20 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.
 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.
 Note.—During the afternoon scores of the International Cricket Match, England versus South Australia, played at Adelaide, will be transmitted as received; also the scores of the match, New South Wales, versus Queensland, at Brisbane.
 4 p.m.—"Big Ben."
 The Ambassadors' Dance Orchestra, conducted by Manuel Hyman.
 4.10 p.m.—Patricia Raedon, soprano:
 (a) "Damon" (Strange).
 (b) "Advice" (Carew).
 4.15 p.m.—The Ambassadors' Dance Orchestra.
 4.25 p.m.—Marjorie Mayne, mezzo:
 (a) "A Castilian Lament" (Del Riego).
 (b) "Rose in the Bud" (Dorothy Forster).
 4.30 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'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 information.
 7 p.m.—"Big Ben." Late news service.
 7.10 p.m.—The 2FC Dinner Quartet, conducted by Horace Keats:
 (a) "Marche Russe" (Luigini).
 (b) "Chantilly" (Waldtenfel).
 (c) "Petite Suite de Concert" (Coleridge-Taylor).
 (d) "Solveig's Song" (Greig).
 (e) "Melodie" (Tschaigowsky).
 (f) "Serenade" (Drdla).

NIGHT SESSION.

- 7.40 p.m.—Programme Announcements.
 7.47 p.m.—Pianoforte Selection.
 8 p.m.—"Big Ben." From the Sydney Town Hall:
 Mr. J. H. Scullin, M.P., leader of the Federal Opposition, will address the electors of New South Wales, on the policy of the Australian Labour Party.
 Approx.
 9.50 p.m.—From the Studio:
 Late Weather Forecast.
 Peggy Dunbar, Contralto:
 (a) "We Sway Along" (Mallinson).
 (b) "Recompense" (Sanderson).
 9.56 p.m.—Maggie Foster, Violin:
 (a) "Serenade" (Drdla).
 (b) "Chanson" (Friml).
 10.3 p.m.—R. A. Bartleman, Baritone:
 (a) "The Sea Gipsy" (Head).
 (b) "The Lover" (Martin).
 10.10 p.m.—Maggie Foster, Violin:
 (a) "Ave Maria" (Schubert).
 (b) "Gavotte" (Gossic).
 10.17 p.m.—Peggy Dunbar, Contralto:
 (a) "Slow, Horses, Slow" (Mallinson).
 (b) "Dreaming of Home" (Besly).
 10.23 p.m.—R. A. Bartleman, Baritone:
 (a) "The Lazy Shepherd" (Henty).
 (b) "The Waterman" (Helmore).
 10.28 p.m.—To-morrow's Programme and Late News.
 10.30 p.m.—National Anthem. Close Down.

2BL, SERVICE.

MONDAY, 29th OCTOBER, 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, 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 Tennis 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 matches N.S.W. v. Queensland at Brisbane, and England v. South Australia, at Adelaide, 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.—Miss Doris Orr, soprano:
4.2 p.m.—Romano's Restaurant Dance Orchestra.
4.10 p.m.—"Sun" news service.
4.20 p.m.—Mr. David Grahame, baritone:
(a) "Arise O Sun" (Day).
(b) "Duna" (McGill).
4.27 p.m.—Studio Music.
4.34 p.m.—Romano's Restaurant Dance Orchestra.
4.45 p.m.—Miss Doris Orr.
4.52 p.m.—"Sun" news service.
4.55 p.m.—Romano's Restaurant Dance Orchestra.
5.5 p.m.—Mr. David Grahame:
(a) "Devonshire Cream and Cider" (Sanderson).
(b) "In happy moments" (Wallace).
5.12 p.m.—Miss Georgina McLean, violinist:
"Legende" (Wieniawski).
5.19 p.m.—"Sun" news service.
5.29 p.m.—Studio music.
5.33 p.m.—Miss Georgina McLean:
"Last Movement of Rode Concerto in A Minor."
5.40 p.m.—Features of evening's programme.
5.42 p.m.—Racing resume.

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.—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.

8.0 p.m.—G.P.O. Clock and Chimes.
2BL Topical Chorus.
8.3 p.m.—The New South Wales Broadcasting Company's Orchestra. Conducted by Mr. Willie Redstone.
8.18 p.m.—Mr. Charles Lawrence (Entertainer at the Piano):
(a) "After the Accident."
(b) "Murders."
8.28 p.m.—The New South Wales Broadcasting Company's Orchestra.
8.38 p.m.—Mr. Charles Lawrence:
(a) "Our Labour-saving Home."
(b) "Without Prejudice."
8.45 p.m.—Weather Report and Forecast by courtesy of Government Meteorologist.
Studio Programme.
9.45 p.m.—The New South Wales Broadcasting Company's Orchestra.
10.0 p.m.—Miss Millie Hughes (Soprano):
(a) "Jack and Jill" (Sanderson).
(b) "The Wind" (Spross).
10.7 p.m.—The Ahad Duo (Steel Guitars).
10.14 p.m.—Mr. H. C. Gilson (Tenor):
(a) "Fair House of Joy" (Quilter).
(b) "A Song Remembered" (Coates).
10.21 p.m.—Mr. Josef Kaartinen (Saxophone Solos).
10.28 p.m.—Miss Millie Hughes:
(a) "Blackbird's Song" (Scott).
(b) "Will o' the Wisp" (Spross).

10.35 p.m.—The Ahad Duo (Steel Guitars).
10.42 p.m.—Mr. H. C. Gilson:
(a) "Because Your Love is Mine" (Dorel).
(b) "My Life's Delight" (Quilter).
10.49 p.m.—Mr. Josef Kaartinen.
10.56 p.m.—Resume of Following Day's Programme.
11.0 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.

2GB, SYDNEY.

MONDAY, 29th OCTOBER, 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 Radio Service by Mrs. Dorothy Jordan.
2.30 p.m.—Address.
2.45 p.m.—Music.
3.15 p.m.—Close down.

EVENING SESSION.

5.30 p.m.—Children's Session by Uncle George.
7 p.m.—Stock and Market reports by New Zealand Loan and Mercantile Agency.
7.15 p.m.—Music.
8 p.m.—Songs by Miss Amy Wilson.
8.9 p.m.—Violin Solos by Miss Phyllis Campbell.
8.17 p.m.—Announcements.
8.22 p.m.—Items by the Newton 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 Miss Amy Wilson.
9.17 p.m.—Talk from the Radio Service Department by Mr. Stan Crittendon.
9.27 p.m.—Items by the Newtown Band.
10 p.m.—Close down.

3LO, MELBOURNE

MONDAY, 29th OCTOBER, 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.

MARINATED STEAK.

1lb runmp steak.
1 tablespoonful vinegar.
1 dessertspoonful ch. parsley.
3 cloves.
1 small onion.
½ teaspoon salt.
½ teaspoon mustard.
Little cayenne.
Chop onion and parsley, and sprinkle over the steak. Mix vinegar, salt, mustard and cayenne, and soak the meat in this for two hours. Take out and grill over a

bright fire or under gas griller. Dish on hot dish. Boil up the mixture and pour over steak. Serve hot.

HOUSEHOLD HINT.

Don't burn your fingers and ruin your tea-towels using them for oven-cloths. Hessian bags cut up into convenient sizes and bound with cretonne, with a loop for hanging near the stove, will be found very useful and can easily be washed.

11.5 a.m.—MISS OLGA PARKER—Stories to tell the children:

"Further Indian Stories."

11.20 a.m.—Musical interlude.

11.25 a.m.—Under the auspices of the Presbyterian Girls' Association.

MISS FRANCES CLERKE will speak on "Korean Girls of To-day."

11.40 a.m.—Musical interlude.

11.45 a.m.—Under the auspices of the National Safety Council, W. L. MILLER, Welfare Officer of the Ford Motor Works at Geelong:

"First Aid in the Home."

MIDDAY SESSION.

MIDDAY NEWS SESSION.

12 noon—Melbourne Observatory Time Signal.
12.1 p.m.—British Official Wireless News from Rugby. Reuter's and the Australian Press Association cables. Argus news service.
12.15 p.m.—Newmarket stock sales. Special report by John McNamara and Co.

COMMUNITY SINGING.

12.20 p.m.—COMMUNITY SINGING, transmitted from the Assembly Hall, Collins Street, Melbourne. Conductor, G. J. MACKAY, assisted by

THE GYPSY PLAYERS.

CHARLES ULIVI, baritone.

Signor Ulivi is late of the Williamson-Melba Grand Opera Company, and appeared with Melba at her farewell performance. We now have pleasure in introducing him to 3LO listeners, in selections from his repertoire.

ANNE MIDDLETON, soprano:

"Fairy Pipers" (Brewer).

"Canterbury Bells" (Besley).

FROM THE STUDIO.

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: Selection, "Mefistofele" (Boito).
2.25 p.m.—JESSIE IRWIN, soprano:
"Blackbird's Song" (Cyril Scott).
"Pierrot" (Teasdale).
2.32 p.m.—C. W. COURT, cornet:
"Lucille" (P. Code).
2.37 p.m.—EILEEN BOYD, contralto:
"Beyond the Dawn" (Sanderson).
"Keep Your Toys, Laddie Boy" (Ketelby).
2.44 p.m.—THE STATION ORCHESTRA:
"Two Favorite Classics" (Schubert).
2.54 p.m.—VICTOR BAXTER, tenor:
"Have you Seen but a White Lily Grow" (Old English).
"I Hear a Thrush at Eve" (Cadman).
3.1 p.m.—THE IMPERIAL RUSSIAN TRIO (Arved Norit, violin; John Berzinsky, 'cello, and William Ibster, piano):
JOHN BERZINSKY, 'cello:
"Chanson Louis XIII." (Francoeur).
ARVED NORIT, violin:
"La plus que lente" (Debussy).
"Trio F Sharp Minor" (Franck).
Finale—Allegro maestoso.
3.16 p.m.—JESSIE IRWIN, soprano:
"A Heart That's Free" (Bobyen).
"Keep on Hopin'" (Maxwell).
3.23 p.m.—THE STATION ORCHESTRA:
Selection, "Romeo and Juliet" (Gounod).
3.30 p.m.—STEWART AND LORRAINE:
Humorous Instrumentalists.

- 3.37 p.m.—JAMES HILL, baritone:
"Night of Stars and Splendour."
"Wait."
- 3.44 p.m.—A. ANDERSON, clarinet:
"Polonaise," "Mignon" (Thomas).
- 3.50 p.m.—VITOR BAXTER, tenor:
"She is Far from the Land" (Lambert).
"Duna" (MacGill).
- 3.57 p.m.—THE STATION ORCHESTRA:
"A Fanciful Vision" (Rubinstein).
- 4.4 p.m.—JAMES HILL, baritone:
"Like Stars Above."
"Japanese Love Song."
- 4.11 p.m.—STEWART AND LORRAINE:
Humorous Instrumentalists.
- 4.18 p.m.—THE STATION ORCHESTRA:
"New Sullivan Selection," Part I.
- 4.24 p.m.—AGNES FORTUNE, piano:
"Morning" (Grieg).
- 4.30 p.m.—EILEEN BOYD, contralto:
"When You Come Home" (Squire).
"When All Was Young"—Faust (Gounod).
With 'cello obligato.
- 4.37 p.m.—THE STATION ORCHESTRA:
"New Sullivan Selection—Part II."
- 4.45 p.m.—SONORA RECITAL.

NEWS SESSION.

- 5 p.m.—Herald news service. Stock Exchange information.
- 5.10 p.m.—W. H. BUTCHER will speak on
"The Philatelic Exhibition."
- 5.25 p.m.—Acceptances and barrier positions
for the Kyneton Races, to be held on Wednesday.
- 5.30 p.m.—Close down.
During the afternoon progress scores will
be given of the cricket match, England v.
South Australia, at Adelaide.

EVENING SESSION.

- 6 p.m.—Answers to letters and birthday
greetings by "BILLY BUNNY."
- 6.25 p.m.—Musical interlude.
- 6.30 p.m.—Programme by FREDA NORTH-
COTE and her Students:
LIZZIE MATTHEWS:
"Love Pipes of June."
EILEEN O'LEARY:
"Little Blue Sunbonnet."
NORMA LAMBERT:
Selected.
MAVIS KRUGER:
"A Lullaby."
HAZEL DOHREN AND LIZZIE MAT-
THEWS:
Duet, "Drowsy Baby."
NORMA LAMBERT:
"Spreading the News."
HAZEL DOHREN:
"Daddy."
MAVIS KRUGER:
Selected.
FREDA NORTHCOTE:
"A Fat Li'l Feller."

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 re-
ports by the Victorian Producers' Co-operative
Company, Ltd. Poultry, grain, hay,
straw, jute, dairy produce, potatoes and
onions. Market reports of fruit by the
Victorian Fruiterers' Association. Retail
prices. Wholesale prices of fruit by the
Wholesale Fruit Merchants. Citrus fruits.
- 7.30 p.m.—News session. Results of Cricket,
England v. South Australia, at Adelaide.
- 7.43 p.m.—BIRTHDAY GREETINGS.
OUT OF THE PAST.
- 7.45 p.m.—On October 29th, 1618, Sir Walter
Raleigh was beheaded, and Prince
Alfred arrived in Adelaide in 1897. There
was a great earthquake at Yokohama in
1892, and there was a general break-up of
the Austrian Empire on October 29th, 1918.

- 7.46 p.m.—Under the auspices of the DE-
PARTMENT OF AGRICULTURE, G. T.
LEVICK, Science Field Officer, will speak
on "Insect Friends."

A MAKER OF HISTORY.

- 8 p.m.—To-day we think of the distinguished
poet and writer, JOHN KEATS.

- 8 p.m.—PROGRAMME ANNOUNCEMENTS.

- 8.1 p.m.—THE STATION ORCHESTRA:

Overture, "Merry Wives of Windsor."

FOLK SONG RECITAL.

- 8.10 p.m.—HAROLD BROWNING will give
a Recital of Folk Songs with explanatory
remarks.

'CELLO RECITAL.

- 8.30 p.m.—LOUIS HATTENBACH, 'cello

Recital:

"Cantilena" (Davidoff).

"Cradle Song" (Hattenbach).

"Chanson Greque" (Seligmann).

Spanish Dance, "Vito" (Popper).

- 8.45 p.m.—MINA HESELEVA, soprano:

"The Soldier's Wife" (Rachmaninoff).

"Nightingale" (Alabieff).

- 8.52 p.m.—THE STATION ORCHESTRA:

"Spanish Serenade" (Friml).

"Serenade" (Szerwonky).

- 9 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).

Trio:

"Chant sans Paroles" (Tchaikowsky).

A TRAVELOGUE.

- 9.15 p.m.—PROFESSOR R. J. A. BERRY,

M.D., F.R.C.S., F.R.S., University of Mel-

bourne:

"The Stranger Ventures abroad in New

York City."

- 9.30 p.m.—THE STATION ORCHESTRA:

"Introduction and Gopak from 'The Fair of

Scrotechinsky" (Mussorgsky).

"Barcarolle" (Tchaikowsky).

- 9.40 p.m.—CHARLES ULIVI, baritone, late

of the Grand Opera Co.:

Selected.

- 9.47 p.m.—THE STATION ORCHESTRA:

Suite, "The Lake of Swans" (Tchaikow-

sky).

- 10 p.m.—MINA HESELEVA, soprano:

"Song of the Fish" (Arensky).

"The Lonely Heart" (Tchaikowsky).

- 10.7 p.m.—THE STATION ORCHESTRA:

"Adagio and Allegro" from Pathetic Sym-

phony (Tchaikowsky).

NEWS SESSION.

- 10.15 p.m.—Argus News service. Meteorologi-
cal information. British Official Wireless
News from Rugby. Announcements.

MUSICAL PROGRAMME CONTINUED.

- 10.25 p.m.—PAT McLEAN, soubrette:

"Child Impersonations."

- 10.32 p.m.—STEWART AND LORRAINE:

Humorous Instrumentalists.

- 10.39 p.m.—CHAS. ULIVI, baritone:

Selected.

- 10.45 p.m.—PAT McLEAN, soubrette:

"Child Impersonations."

- 10.53 p.m.—THE STATION ORCHESTRA:

Overture, "Mereille" (Gounod).

DANCE MUSIC.

- 11.1 p.m.—THE RADI-O-ACES.

- 11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

MONDAY, 29th OCTOBER, 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 in-
formation.

- 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:

"Jackass Blues" (Garcell).

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

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

- 11.15 a.m.—Bel Luscombe, soprano:

"Whatever is—Is Best" (Herman Lohr).

"Deep in Your Heart of Hearts" (Ghur-

ban).

- 11.22 a.m.—Radi-O-Aces:

"Brown" (Darbney).

"Lo Nah" (Stept).

"Happy Go Lucky Lane" (Lewis).

- 11.37 a.m.—Bernard Thomas, tenor:

"An Emblem" (Harrhy).

"The Spirit Flower" (Tipton).

- 11.44 a.m.—Radi-O-Aces:

"Starlight and Tulips" (Nausbaum).

"Stampede" (Henderson).

"Can't You Hear Me Say I Love You?"

(Brown).

- 12 noon.—Jean Lewis, contralto:

"Bois Epais" (Lully).

"Ouvres tes yeux Blueux" (Massenet).

- 12.7 p.m.—Radi-O-Aces:

"I Told Them All About You" (Yellen).

"Without You, Sweetheart" (De Silva).

"Lolita" (Stoneham).

- 12.22 p.m.—British Official Wireless.

Announcements.

- 12.32 p.m.—Bel Luscombe, soprano:

"Love's Hesitation" (Wilfred Sanderson).

"I Passed by Your Window" (May Brahe).

- 12.40 p.m.—Radi-O-Aces:

"After My Laughter Came Tears" (Tobias).

"Beautiful" (Sharp).

"That's My Mammy" (Donaldson).

- 12.55 p.m.—Bernard Thomas, tenor:

"I Will Arise" (Sullivan).

"Steal Away" (Jubilee Chorus).

- 1.2 p.m.—Radi-O-Aces:

"Honyemoo Cottage" (Lumsdaine).

"Together" (Brown).

"Mary Ann" (Davis).

- 1.12 p.m.—Jean Lewis, contralto:

"In the Great Unknown" (d'Hardelet).

"All Among the Roses" (M. Heller).

- 1.19 p.m.—Radi-O-Aces:

"The Riff Song" (Romberg).

"Chinatown" (Yvain).

"What was I to Do" (Reid).

- 1.30 p.m.—Close down.

EVENING SESSION.

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

NIGHT SESSION.

- 8 p.m.—Under the auspices of the Boy
Scouts' Association:

W. D. Kennedy, "The Problem of the Older

Boy."

- 8.15 p.m.—E. C. H. Taylor:

"School Life and School Sport."

- 8.30 p.m.—Alfred Firman:

"Books of Yesterday, To-day and To-mor-

row."

- 8.40 p.m.—Radi-O-Aces:

"Dance of the Dolls" (Kahn).

"Last Night I Dreamed You Kissed Me"

(Kahn).

"That's My Mammy" (Lumsdaine).

- 8.50 p.m.—John D. Fraser, baritone:

"Yellow Slippers" (Coningsby-Clarke).

- 8.53 p.m.—Radi-O-Aces:

"Honey-moon Cottage" (Lumsdaine).

"I'm Wingin' Home" (Russell).

"Evening Star" (Turk).

- 9.3 p.m.—French Bros., banjos:

"Side by Side" (Woods).

- 9.6 p.m.—Radi-O-Aces:

"Russian Rag" (Stutzel).

"Henry's made a Lady out of a Lizzie"

(O'Keefe).

"We'll Have a new home in the Morning"

(Buck).

- 9.16 p.m.—Millie McCormack, mezzo-soprano:

"The Cuckoo" (Lehmann).

- 9.19 p.m.—Radi-O-Aces:
"Oriental Moonlight" (Seamon).
"Bid all your troubles good-bye" (Leslie).
"My Melancholy Baby" (Norton).
9.29 p.m.—John D. Fraser, tenor:
"The Dove" (Coningsby Clarke).
9.32 p.m.—Radi-O-Aces:
"Ice Cream."
"I know that you know" (Youmans).
"Love Affairs" (Robinson).
9.42 p.m.—French Bros., banjos:
"When you played the Organ" (Gilbert).
9.45 p.m.—Radi-O-Aces:
Piano solo, "Rag Doll" (Brown).
"Sweet Ella May" (Robinson).
"Cry Baby" (Smith).
9.55 p.m.—John D. Fraser, tenor:
"Serenade" (Schubert).
9.58 p.m.—Radi-O-Aces:
"Rose of Monterey" (Guy).
"Red Head" (Eambey).
"The Man I Love" (Gershwin).
10.3 p.m.—Millie McCormack, mezzo-soprano:
"Happy Song" (Del Riego).
10.11 p.m.—Radi-o-Aces:
"Was it a Dream" (Brett).
"Together" (Brown).
"Mary Ann" (Davis).
10.21 p.m.—French Bros., banjos:
"Sleep, Little Coon" (Brandon).
10.24 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).
10.34 p.m.—John D. Fraser, tenor:
"Mighty Like a Rose."
10.37 p.m.—Radi-o-Aces:
"Polly" (Zamecnik).
"Felix the Cat" (Nanstraum).
"Delirium" (Schutt).
"Blue Berry Land" (Bryan).
10.50 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, 29th OCTOBER, 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.—From St. John's Cathedral:
An organ recital by Mr. Geo. 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.—Lecturette: "Pig Club Essays"—Mr. E. J. Shelton (Instructor in Pig Raising).

NIGHT SESSION.

- ONE-ACT DRAMA—"THE REPROBATE."
8 p.m.—From the studio:
One-Act drama: "The Reprobate."
CAST.
Philip Adair (an artist) ... Ernest Barry.
Jabez Gover ... Ernest Barry.
Minnie Adair ... Dulcie Scott.

STUDIO CONCERT.

- 8.30 p.m.—The Studio Orpheans (conductor, Tom Muller).
Male chorus, "A West Sheet and a Flowing Sea" (Lloyd).
8.34 p.m.—Rhoda G. Husband, soprano:
"Your Eyes Have Told Me So" (Hardy).
"A Night of Love" (Spier).
8.42 p.m.—Nat Gould, banjoist:
Selected numbers.
8.47 p.m.—Irene Elphinstone, contralto:
"Forethought" (Lambert).
"Jane" (Quilter).
8.55 p.m.—Enithe Clarke, pianist:
"Nocturne, Op. 9, No. 2" (Chopin).
9 p.m.—Metropolitan weather forecast.
9.1 p.m.—From the Studio:
Result of the quest programme ideas.
An announcements regarding the date on which the winning programme will be broadcast.

STUDIO CONCERT.

- 9.15 p.m.—The Orpheans:
Chorus, "In the Gloaming" (Parke).
9.19 p.m.—Ernest Harper, baritone:
"Not Understood" (Haughton).
9.23 p.m.—George Williamson, tenor:
"Your Eyes Have Told" (O'Hara).
9.28 p.m.—The Orpheans:
"The Storm" (Dorrner).
9.32 p.m.—Enithe Clarke, pianist:
"Mazurka, Op. 63, No. 2" (Chopin).
9.40 p.m.—Anne Adams, soprano:
"The Silver Ring" (Chaminade).
9.44 p.m.—Nat Gould, banjoist:
Selected numbers.
9.50 p.m.—The Orpheans:
Male chorus, "Cockles and Mussels" (Farke).
10 p.m.—Late news. Weather news.
Close down.

5CL, ADELAIDE.

MONDAY, 29th OCTOBER, 1928.

MORNING SESSION.

- 11 a.m.—G.P.O. Chimes.
11.1 a.m.—Studio "Recreator":
Recital of H.M.V. 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.
12.15 p.m.—British Official Wireless news.
12.20 p.m.—Denis Sheard, tenor:
"A Red Rosebud" (Gibbs).
"Had you but known."
12.27 p.m.—Winifred Lavis, pianist:
Popular song hits.
12.34 p.m.—Linda Wald, soprano:
"Le Cygne" (Saint-Saens).
"An Old Irish Song."
12.42 p.m.—Geoff Goldsworthy, 'cellist:
"The Swan" (Saint-Saens).
"Romance" (Davidoff).
12.48 p.m.—Railway Information, concerning arrival and departure of country trains, etc.
12.50 p.m.—S. C. Ward and Co.'s Stock Exchange information.
12.57 p.m.—Synopsis of the weather.

- 1 p.m.—G.P.O. Chimes.
1.1 p.m.—Denis Sheard, tenor:
"My Liege Lady" (Phillips).
"The Sun God" (James).
1.7 p.m.—Winifred Lavis, Pianiste:
Popular song hits.
1.14 p.m.—Eric Wickens, basso:
"The Floral Dance" (Moss).
"The Diver."
1.21 p.m.—Geoff Goldsworthy, 'cellist:
"Simple Aveu" (Thome).
1.28 p.m.—Linda Wald, soprano:
"The Greatest thing in the world."
"Love I have won you" (Ronald).
1.35 p.m.—Winifred Lavis, pianiste:
Selected Pianoforte solos.
1.39 p.m.—Eric Wickens, basso:
"Roll on thou deep, and dark blue ocean."
"Give a man a horse he can ride."
1.46 p.m.—Studio "Recreator":
Recital of H.M.V. recordings.
1.57 p.m.—Meteorological information, and Station announcements.
2 p.m.—G.P.O. Chimes, and close down.

AFTERNOON SESSION.

- 3 p.m.—G.P.O. Chimes.
3.1 p.m.—Harry Hutchins, violinist:
"Romance" (Ries).
"Rondino" (Kreisler).
3.8 p.m.—Len Maurice, Whispering baritone:
Wireless Whispers.
3.15 p.m.—Muriel Prince, pianist:
Selected Pianoforte solos.
3.22 p.m.—Molly Mackay, soprano:
"Waltz Song" from "Romeo and Juliet" (Gounod).
"Fuchsia Tree" (Quilter).
3.29 p.m.—Joe Brennan and Ida Newton.
Ten minutes fun and harmony.
3.39 p.m.—Harry Hutchinson, violinist:
"Andante from Concerto" (Mendelssohn).
3.45 p.m.—T. C. Woodham:
Will give an educational address.
4 p.m.—G.P.O. Chimes.
4.1 p.m.—Len Maurice, Whispering baritone:
"Wireless Whispers."
4.8 p.m.—Jack Lenthall, Instrumentalist:
Selected Mandolin solos.
4.15 p.m.—Molly Mackay, soprano:
"Musetta's Song" (Puccini).
"Wind Song" (Rogers).
4.22 p.m.—Jack Lenthall, Instrumentalist:
Selected Mandolin Solos.
4.29 p.m.—Joe Brennan and Ida Newton:
In a comedy sketch.
4.36 p.m.—Studio "Recreator":
Recital of H.M.V. recordings.
4.57 p.m.—S. C. Ward and Co.'s Stock Exchange Information.
5 p.m.—G.P.O. Chimes, and close down.

EVENING SESSION.

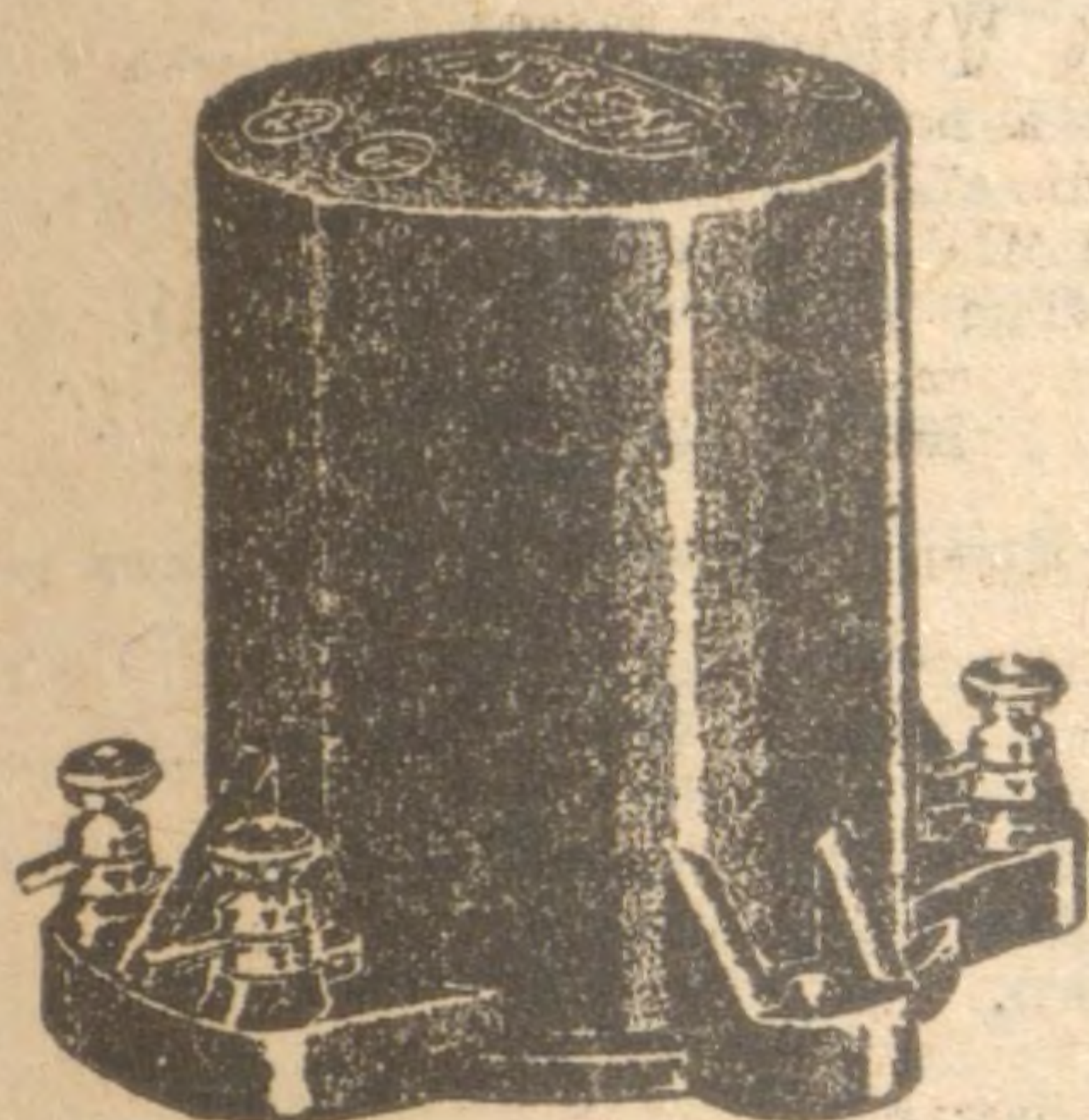
- 6 p.m.—G.P.O. Chimes.
6.1 p.m.—Children's Happy Moments:
Birthday Greetings, Correspondence, Songs and Stories by "Miss Wireless."
6.30 p.m.—Dinner Music:
Recital of H.M.V. recordings on the Studio "Recreator."
7 p.m.—G.P.O. Chimes.
7.1 p.m.—S. C. Ward and Co.'s Stock Exchange information.
7.7 p.m.—General Market reports.
7.10 p.m.—Station Announcements:
7.12 p.m.—H. J. Apps, (Senior Dairy Instructor), will talk under the auspices of the S. A. Agricultural Department on "The Care and management of the dairy cow."
7.30 p.m.—"The Twinkler" (Mr. F. J. Mills):
Will entertain the 5CL Twinkler Boys Club.

NIGHT SESSION.

- 8 p.m.—G.P.O. Chimes.
8.1 p.m.—Station Orchestra:
Overture, "King Mydas" (Ellenberg).
8.8 p.m.—Len Maurice, Whispering baritone:
"Wireless Whispers."
8.14 p.m.—Station Orchestra:
"Cappella Ballet Suite" (Delibes).
8.24 p.m.—Molly Mackay, soprano:
"Chanson Indou" (Korsakov).
"I've been Roaming" (Old English Song).
8.31 p.m.—Tom King, Pianist:
A Bracket of dulcetone solos.
8.38 p.m.—Joe Brennan, and Ida Newton:
In a comedy sketch.

Lissen! Murdoch's Complete Stocks of the Famous

"Lissen" Radio Parts



Transformers

"Lissen" Transformers will suit every set, and every valve, turns ratio 3 to 1. Gives remarkable volume and perfectly clear reproduction.

Murdoch's Price, 12/-



Resistance Coupling Units

"Lissen" Resistance Capacity Coupling Unit, may be mounted upright or flat. Includes 2 "Lissen" fixed resistances and one "Lissen" Condenser.

Murdoch's Price, 5/6

REMEMBER this when you are building—you are not compelled to purchase certain MAKES of parts for any circuit described—you are free to choose your own parts and replace the parts specified with "LISSEN." By adopting this procedure you will ensure louder, clearer signals. The cost, too, is less.

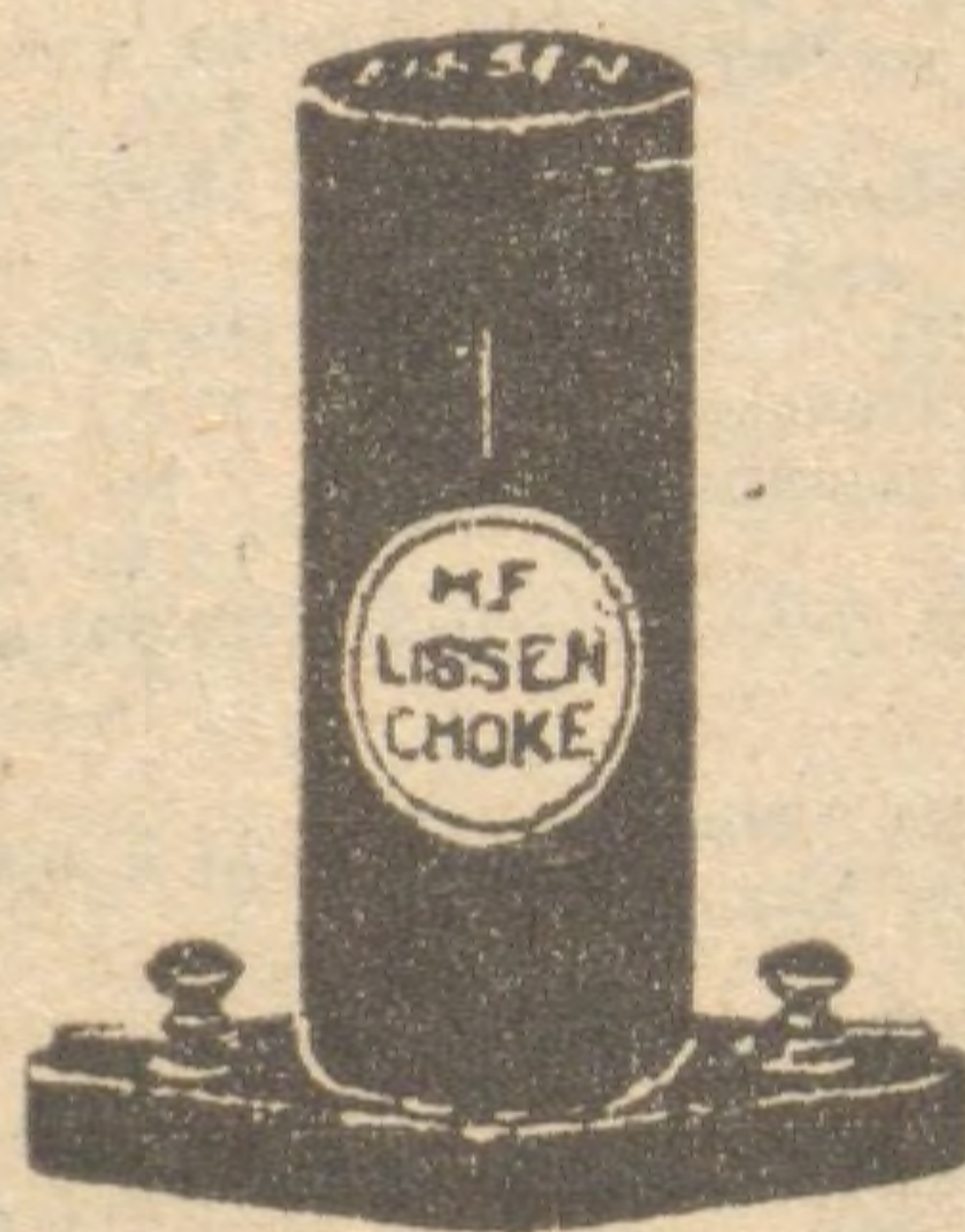
Before buying Radio parts, say to yourself, "Can I get it in the 'Lissen' range"—Then call or write to Murdoch's, you will be supplied with minute and expert information. Below are quoted a few of the mighty "LISSEN" range.



"Lissen" Secret Process Batteries

The remarkable Oxygen content of "LISSEN" batteries is due to a unique chemical process—known only to "LISSEN." "LISSEN" batteries give abundant power, crispness of tone and unfailing volume—all of which are essential to the perfect Radio Set. 60 volts.

MURDOCH'S PRICE 13/6
100 Volts 22/6
9 Volts (grid bias) 2/9



Other "Lissen" Parts

"Lissen" H.F. Chokes, for Reinartz and other capacity reactive circuits 6/9

"Lissen" L.F. Chokes—adds to the volume of your set. Price 6/9

"Lissen" Wire Resistance, either 80,000 or 100,000 ohms. Price 13/6

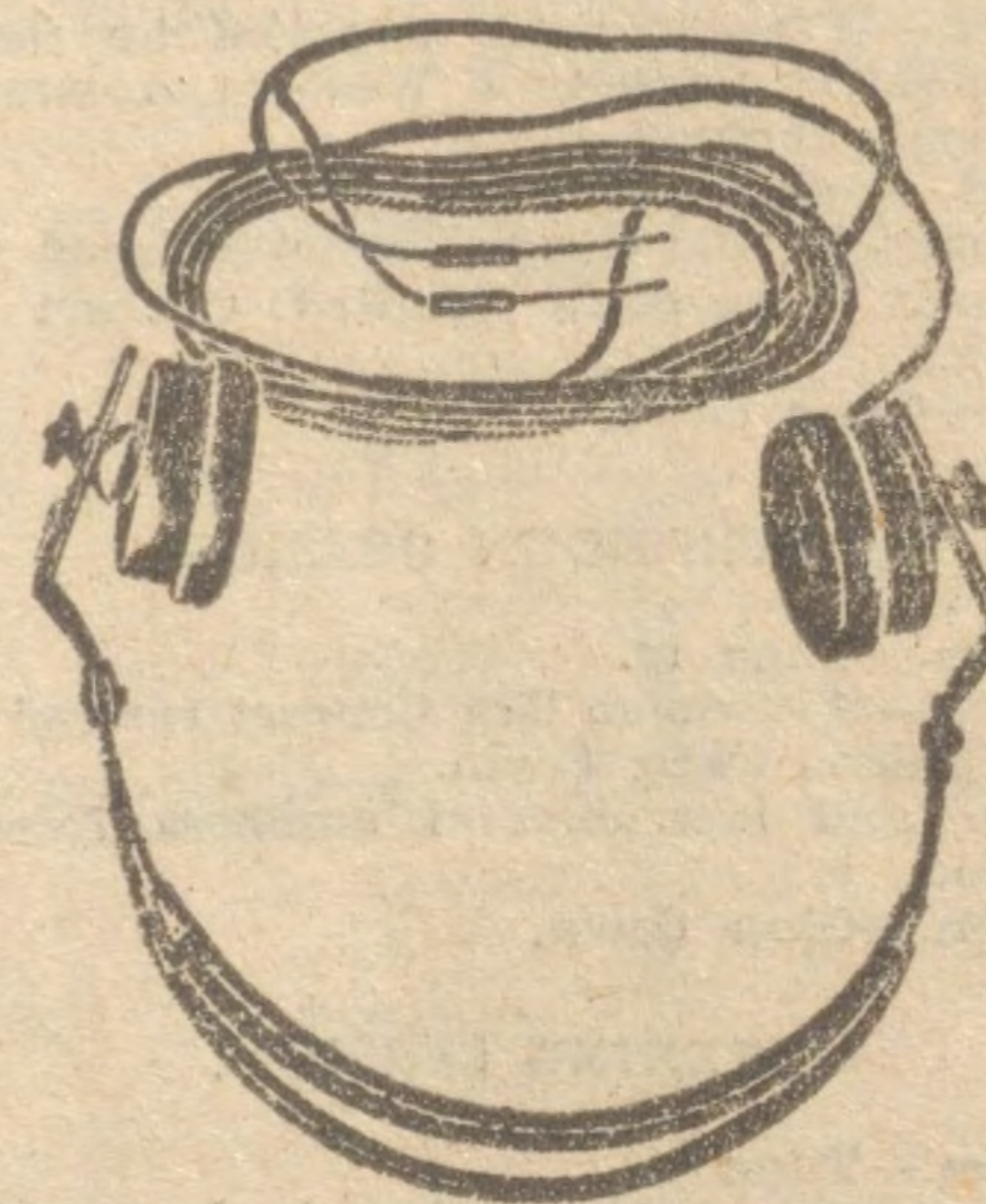
RADIO PARTS, POST FREE, except Batteries, Accumulators and Wireless Sets, etc., which are sent Half-freight by post or nearest Railway Station or Port. Kindly address all letters to Desk A.2.



"Pick Ups"

"Lissen" Electrical Pick-ups — amplifies your Phonograph music to any degree of loudness—per medium of your Radio Set.

Murdoch's Price, 19/6



Headphones

Sensitive to a degree—the "Lissen" Headphones. So light that the wearer forgets they are on. Cords do not twist and tangle, two ear-pieces extremely sensitive and evenly matched.

Murdoch's Price, 15/-

MURDOCH'S IN PARK STREET LTD SYDNEY

"Specialists in All Matters Pertaining to Radio"

8.48 p.m.—Station Orchestra:
Waltz, "Naila" (Delibes).
8.58 p.m.—Dalgety's Oversea Grain report.
9 p.m.—G.P.O. Chimes.
9.1 p.m.—Meteorological information.
9.2 p.m.—Len Maurice, Whispering baritone:
"Wireless Whispers."
9 p.m.—Station Orchestra:
"Two Guitars" (Horlick).
9.14 p.m.—Molly Mackay, soprano:
"Soft Footed Snow" (Sigurd Lie).
"Romance" (Debussy).
9.21 p.m.—A. V. Noske, flautist:
"Berceuse" (Elgar).
9.25 p.m.—Joe Brennan, and Ida Newton:
Ten minutes fun and harmony.
9.35 p.m.—Station Orchestra:
"The Elephant's Parade" (Basque).
"Supplication Appassionée" (Elliott).
9.45 p.m.—Herbert King, tenor:
"The garden of your heart."
9.52 p.m.—Station Orchestra:
"Liebestraum" (Liszt).
9.56 p.m.—Herbert King, tenor:
"Mucushla" (MacMurrrough).
"Love is Mine" (Gartner).
10 p.m.—G.P.O. Chimes.
10.1 p.m.—"The Advertiser" general news service.
10.10 p.m.—International news.
10.15 p.m.—On With The Dance:
The Maison Dance Band. Transmitted from Glenelg:
Dance numbers.
11 p.m.—God Save The King.

6WF, PERTH

MONDAY, 29th OCTOBER, 1928.

MIDDAY SESSION.

12.20 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 Henry will talk to the Boys.
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 Sonef, 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.—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, 29th OCTOBER, 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.
Commercial news.
12.8 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.
12.55 p.m.—"Mercury" news service.
Produce sales held at Railway.
1.10 p.m.—His Master's Voice in Moments Merry and Musical.
1.30 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.—Animato Trio:
"Gipsy Romance" (Ord Hume).
Raymond Newell, baritone:
"Gipsy Dan."
Animato Trio: "O Star of Eve" (Wagner).
L. Gardner, tenor:
"The Devout Lover."
Marguerite Morrisby, piano solo:
"Cracovienne Fantastique" (Paderewski).
Alfred O'Shea, tenor:
"Where'er you Walk."
Animato Trio: "Rio Rita" (Tierney).
James Liddy, tenor:
"The Student Prince."
Animato Trio:
Waltz, "Paradise Isle" (Goering).
J. Melton, tenor:
"My Heart is in the Roses."
Animato Trio:
Fox trot, "Dear, on a night like this" (Conrad).
J. Melton, tenor, Novelty Accomp.:
"My Heart Stood Still."
4.15 p.m.—A Fashion Talk.
"Aunt Edna" will speak on:
"Mens Wearing Apparel."
4.30 p.m.—Close down.

EARLY EVENING SESSION.

CHILDREN'S HOUR.

6.15 p.m.—M'elie Columbia Broadcasts.
6.45 p.m.—Ena Jolley (14 years of age) Pupil of Made Viola Pearce, Piano recital:
"Ripples" (Presser).
"Shepherd's Song" (Mendelssohn).
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.
Looking Backwards in 1894 the "Wairarapa" was wrecked coming from New Zealand—224 lives lost.

EVENING SESSION.

7.30 p.m.—George Collis, Tasmania's Champion Wrestler and Swimmer will speak on: "How to Prepare for Swimming."
7.45 p.m.—Les. Ainworth, Divisional Returning Officer for Denison, will speak on "Compulsory Voting."
"When and how to record your Postal Vote."
8 p.m.—G.P.O. Clock chimes the hour.
8.1 p.m.—Fifty Years ago To-day.
8.6 p.m.—A Concert by the Risdon Band:
(Conductor, V. E. Byrne).
Interspersed with Gramophone records.
Risdon E. Z. Band:
March, "Viva Birkenhead" (Rimmer).
Overture, "Raymond" (Thomas).
Clem Meehan, Band Accomp., Euphonium Solo: "The Trumpeter" (Dix).

Risdon E. Z. Band:
Selection, "L'Ebreo" (The Hebrew) (Appoloni).
Risdon E. Z. Band:
Quartette Party, "Joyous Spring" (Rimmer).
Brass Quartettes, "Echoes of the past" (Rimmer).
Risdon E. Z. Band:
Dance Numbers, "There must be a silver lining" (Donaldson).
"Song of the Wanderer" (Moret).
Risdon E. Z. Band:
Characteristic Scene, "Parade of Tin Soldier" (Jessel).
Humoursesque, "The Coster Courtship" (MacKenzie).
Risdon E. Z. Band:
Band, "Minuet in G." (Beethoven).
"Chant sans Paroles" (Tchaikowsky).
Risdon E. Z. Band:
March, "The Association" (Anderson).

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.
10.3 p.m.—God Save The King.
Close down.

Tuesday, October 30

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.
10.50 a.m.—Pianoforte Reproduction.
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.
12.10 p.m.—Summary of News: "Sydney Morning Herald."
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.—Studio Music.
2 p.m.—"Big Ben." Close down.



Dear Sir,

CONSIDER
THESE
PERFORMANCES



BEFORE
YOU
BUY

Audio Frequency Transformers

- A.F.4 Uniform amplification from 300 cycles upwards. 50% of maximum amplification, even at 50 cycles. Price, 34/-.
- A.F.3 Uniform amplification from 100 cycles upwards. Over 80% amplification at 50 cycles. Price, 45/-.
- A.F.5 Uniform amplification from 100 cycles upwards. Over 90% amplification at 50 cycles. One can almost say uniform amplification from 50 cycles upwards. Price, 57/-.
- A.F.5. is still and will remain for a very long time the best Intervalve Transformer that can be made.
- A.F.3 is still better than anything else offered (except the A.F.5) whatever its price.
- A.F.4 is still the best Intervalve Transformer in its price class.

DO NOT BUY AN AUDIO FREQUENCY TRANSFORMER
UNTIL YOU HAVE EXAMINED ITS AMPLIFICATION
CURVE DRAWN ON THE MUSICAL SCALE.

Yours faithfully,

FERRANTI LTD.

AFTERNOON SESSION.

- 2.30 p.m.—Programme announcements.
 2.32 p.m.—Educational Session for the Schools:
 Subject, "How Things Grow," interspersed with suitable music.
 3 p.m.—"Big Ben." Pianoforte reproduction.
 3.15 p.m.—Studio music.
 Note.—During the afternoon progress scores of the following cricket matches will be transmitted as received:
 1. International match, England versus South Australia, played at Adelaide, S.A.
 2. New South Wales versus Queensland, played at Brisbane.
 3.30 p.m.—Anne Streather, pianoforte solos by Chopin:
 (a) "Etude" ("Revolutionary").
 (b) "Valse in A Flat."
 (c) "Scherzo in C Sharp Minor."
 3.45 p.m.—A Talk.
 4 p.m.—"Big Ben."
 The Ambassadors' Dance Orchestra, conducted by Manuel Hyman.
 4.10 p.m.—Jean Darling, contralto:
 (a) "Soul of Mine" (Ethel Barnes).
 (b) "Cradle me low" (May Brahe).
 4.15 p.m.—Anne Streather, pianoforte solos:
 (a) "The Juggleress" (Moszkowski).
 (b) "Etude en forme de Valse" (Saint Saens).
 4.25 p.m.—Winifred Batchelor, soprano:
 (a) "At Nightfall" (Woodforde Finden).
 (b) "The Gypsy Wedding" (Moniuschko).
 4.33 p.m.—The Ambassadors' Dance Orchestra.
 4.40 p.m.—Jean Darling, contralto:
 (a) "To Music" (Schubert).
 (b) "O Western Wind" (Brahe).
 4.46 p.m.—Stock Exchange information, third call.
 4.48 p.m.—Caruso Dominic, tenor.
 4.56 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's 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.
 7 p.m.—Late news service.
 7.10 p.m.—The 2FC Dinner Quartet conducted by Horace Keats:
 (a) "Summer Showers" (Knight-Logan).
 (b) "A Song Remembered" (Coates).
 (c) "Prelude and Siciliana" (Mascagni).
 (d) "Still as the Night" (Bohm).
 (e) "Pirouette" (Finck).
 (f) "Serenade" (Widor).
 (g) "Coquette" (Lombardo).

EVENING SESSION.

- 7.40 p.m.—Programme Announcements.
 7.47 p.m.—Pianoforte Selection.
 8.0 p.m.—"Big Ben." From the Ashfield Town Hall: Items from the Production of "Rose maiden" (Fred Cowen), by the Ashfield Choral and Musical Society, conducted by William Bowyer.

PRINCIPALS:

Margaret James, Soprano.
 Suzanne Ennis, Contralto.
 Bryson Taylor, Tenor.
 Robert Gilbert, Baritone.
 At the Piano, Elsie Roling.

Approx.

- 8.45 p.m.—From the Studio:
 Vladimir Elin, Russian Baritone:
 (a) Aria from "Sadko" (Chanson Venetienne).
 (b) "The Queen of the Sea" (Borodine).
 8.55 p.m.—Beatrice Tange, Pianoforte Solos:
 (a) "Capriccio in B Minor" (Brahms).
 (b) "Rhapsody in G Minor" (Brahms).
 9.2 p.m.—Late Weather Forecast.
 9.3 p.m.—Freda Sternberg will continue her series of travel talks.
 9.15 p.m.—Vladimir Elin, Russian Baritone:
 (a) "Margaret at the Spinning Wheel" (Schubert).
 (b) "Death and the Maiden" (Schubert).

- 9.23 p.m.—Beatrice Tange, Pianoforte Solos:
 (a) "The Swan" (Palmgren).
 (b) "The Dance of the Geisha" (Niemann), (Request).

9.32 p.m.—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 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 Grand Vocal Championship (Section 34).

Elocutionary Section.—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.

10.30 p.m.—Late Weather Forecast.

The Ambassadors' Dance Orchestra, conducted by Manuel Hyman.

10.42 p.m.—Gwen Fane, Songs at the Piano.

10.48 p.m.—The Ambassadors' Dance Orchestra.

10.57 p.m.—To-morrow's Programme and Late News.

11.0 p.m.—"Big Ben."

Gwen Fane, Songs at the Piano.

11.7 p.m.—The Ambassadors' Dance Orchestra.

11.30 p.m.—National Anthem. Close Down.

2BL SERVICE.

TUESDAY, 30th OCTOBER, 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.

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.
 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 matches, N.S.W. v. Queensland, at Brisbane, and England v. South Australia, at Adelaide, 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. Mev. Lyons, broadcast from Romano's.
 3.55 p.m.—Miss Florence Day, contralto:
 (a) "Rest thee, sad heart" (Del Riego).
 (b) "Wondering Why" (Coningsby Clarke).
 4.2 p.m.—Romano's Restaurant Dance Orchestra:
 4.10 p.m.—Miss Josie Westaway, soprano:
 (a) "Villanelle" (Dellacqua).
 (b) "Loves Whisper" (Willeby).
 4.17 p.m.—Miss Eunice Hurst, violinist:
 "Andante Cantabile" (Tchaikowsky-Kreiser).
 4.24 p.m.—Romano's Restaurant Dance Orchestra.
 4.30 p.m.—Miss Josie Westaway:
 (a) "When thou art sad" (Lieurance).
 (b) "Ma Curly Headed Babby" (Clutsam).
 4.37 p.m.—Romano's Restaurant Dance Orchestra.
 4.45 p.m.—Miss Eunice Hurst:
 (a) "Poem" (Fibich).
 (b) "Menuett" (Boccherini).
 4.52 p.m.—"Sun" news service.
 4.55 p.m.—Romano's Restaurant Dance Orchestra.
 5.5 p.m.—Radio Eisteddfod—Semi-finalists in the Radio Eisteddfod will be heard, drawn from the various sections including vocal, instrumental and humorous items.
 5.35 p.m.—"Sun" news service.
 5.40 p.m.—Features of evening's programme.
 5.42 p.m.—Racing resume.

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) "In a Hong-Kong Street" (Humphries).
 (b) "Waltz" (Sarreno).
 (c) "On with the Dance" (Coward).
 (d) "Nocturne" (Grieg).
 (e) "Gavotte" (Sapellnikoff).
 (f) "March of the Toys" (Herbert).
 7.10 p.m.—Australian Mercantile Land and Finance Co.'s report.
 Weather report and forecast by courtesy of Govt. Meteorologist.
 Producer's 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.

- 8.0 p.m.—G.P.O. Clock and Chimes.
 2BL Topical Chorus.
 8.3 p.m.—Miss Marjorie Skill (Soprano).
 8.10 p.m.—Miss Dagmar Roberts (Pianist):
 (a) "Consolation in D Flat" (Liszt).
 (b) "Hexentanz" (MacDowell).
 8.17 p.m.—Mr. Jack Cannot (Comedian):
 (a) "Where, Oh Where, Do I Live" (Carlton).
 (b) "O Cedar Mop" (Bennett).
 8.24 p.m.—Talk on Cricket by Mr. Hyam Marks.
 8.30 p.m.—Miss Jeanne Byndon (Contralto):
 (a) "Creation Hymn" (Beethoven).
 (b) "Rose of My Heart" (Lohr).
 8.46 p.m.—Weather Report and Forecast by courtesy of Government Meteorologist.
 8.47 p.m.—The New South Wales Broadcasting Company's Orchestra. Under the direction of Mr. Willie Redstone.
 9.0 p.m.—G.P.O. Clock and Chimes.
 Miss Marjorie Skill.
 9.7 p.m.—Mr. Jack Cannot:
 (a) "Homeward Bound" (Stanford).
 (b) "Drake's Drum" (Stanford).
 9.17 p.m.—From the Sydney University:
 Carillon Recital.
 9.30 p.m.—Mr. Terrance Nugent (Tenor):
 9.37 p.m.—The New South Wales Broadcasting Company's Orchestra.
 9.52 p.m.—Miss Dagmar Roberts:
 (a) "Bruyere" (Debussy).
 (b) "Spinning" (Rhene-Baton).
 9.59 p.m.—Miss Jeanne Byndon:
 (a) "A Farewell" (Liddle).
 (b) "Now Sleeps the Crimson Petal" (Quilter).

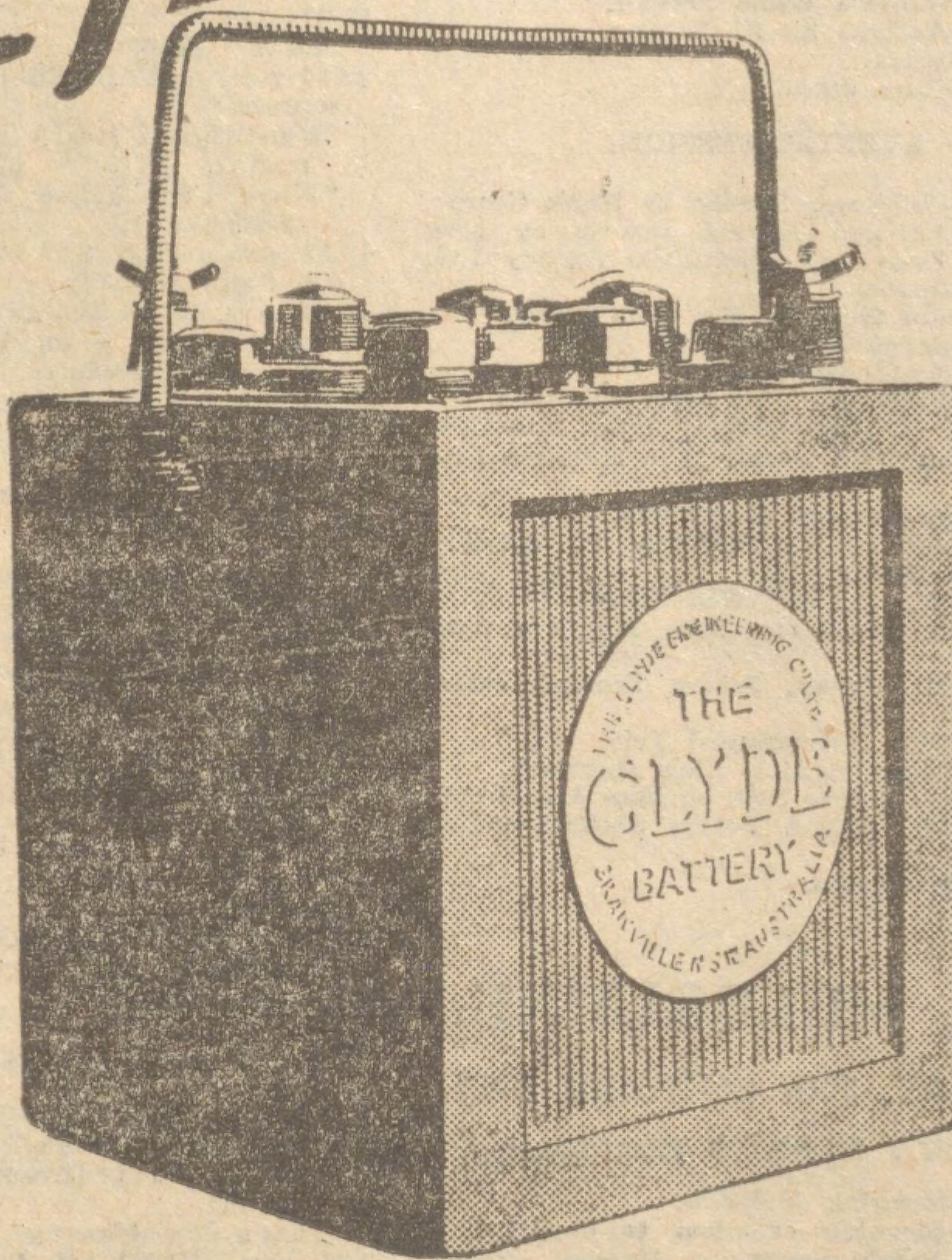
Note these points

SEE that hard rubber case on every Clyde. It's made of material which is non-leakable and practically indestructible. A Clyde can be placed anywhere without the risk of acid spilling or leaking. The case is not affected by extremes of heat or cold.

The plates in a Clyde are extra thick, ensuring long life.

Separators made from the toughest wood, acid resisting and permanent.

CLYDE MEANS LONG LIFE.



Clyde Batteries for cars, radio and home lighting are made by The Clyde Engineering Co. Ltd., Granville, N.S.W., largest makers of storage batteries in Australia. Clyde Batteries are obtainable from all radio dealers and garages throughout Australia.

CLYDE

RADIO BATTERIES

10.6 p.m.—The New South Wales Broadcasting Company's Orchestra.
 10.21 p.m.—Mr. Terrance Nugent.
 10.28 p.m.—Resume of Following Day's Programme.
 10.30 p.m.—G.P.O. Clock and Chimes.
 National Anthem.

2GB, SYDNEY.

TUESDAY, 30th OCTOBER, 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 Miss Helen J. Beegling.
 11.30 a.m.—Close down.

AFTERNOON SESSION.

2 p.m.—Music.
 2.5 p.m.—Women's Radio Service.
 2.30 p.m.—Address by H. Morton.
 2.45 p.m.—Music.
 3.15 p.m.—Close down.

EVENING SESSION.

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.—Violin Solos by Mr. Cecil Berry.
 8.10 p.m.—Songs by Mr. Will Stelzer.
 8.17 p.m.—Announcements.
 8.22 p.m.—Songs by Miss Alcia Haywood.
 8.29 p.m.—2GB Instrumental Trio, Miss Ada Brook, Mr. Cecil Berry, Miss Marjorie Kennedy.
 8.40 p.m.—Resume of programme.
 8.45 p.m.—Address by Professor E. Wood.
 9 p.m.—Weather report.
 9.2 p.m.—Songs by Mr. Will Stelzer.
 9.9 p.m.—Cello solo by Miss Marjorie Kennedy.
 9.17 p.m.—Mr. Stuart Peters, Scottish entertainer.
 9.24 p.m.—2GB Instrumental Trio.
 9.39 p.m.—Songs by Miss Alcia Haywood.
 9.46 p.m.—Pianoforte Solo by Miss Ada Brook.
 9.50 p.m.—Mr. Stuart Peters Scottish entertainer.
 10 p.m.—Close down.

3LO, MELBOURNE.

TUESDAY, 30th OCTOBER, 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. 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.—3LO'S CULINARY COUNSELS, or How to Create Creature Comforts with a Minimum of Cash.

RECIPE.

AMERICAN APPLE CHARLOTTE.

Apples, lemon rind, one tablespoon butter, four tablespoons sugar, thin slices of cake or bread.

To serve four or five persons, select a mould holding three cups. Peel, core, slice and cook apples with sugar, lemon rind and butter. Butter the mould and dust it with sugar. Line the bottom and sides with the slices, leaving a space between the slices. Fill with alternate layers of prepared apple and very thin slices of cake. Have a layer of cake on top. The apples should be dry. Stand mould in tin of boiling water and

cook half an hour. Turn on to hot dish. Sift icing sugar over top, and score the sugar in squares with hot iron rod.
 11.5 a.m.—Miss E. NOBLE:
 "Gas Cookery."
 11.20 a.m.—Musical interlude.
 11.25 a.m.—Mrs. DOROTHY SILK will speak on:
 "Home crafts."
 11.40 a.m.—Musical interlude.
 11.45 a.m.—Under the auspices of the Young Women's Christian Association, Miss K. H. TATLEY-SHORT will speak on:
 "Swimming."

MIDDAY SESSION.

12 noon.—Melbourne Observatory time signal.
 12.1 p.m.—Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange, this day. British Official Wireless News from Rugby. Reuter's and the Australian Press Association cables. Argus news service.
 12.15 p.m.—Newmarket stock sales. Special report by John McNamara and Co.
 THE WORKS OF SCHUMANN.
 12.20 p.m.—THE STATION ORCHESTRA:
 "Suite" (Schumann).
 12.30 p.m.—KATHLEEN CASTLES, mezzo-soprano:
 "E'en when I Heard Them Singing" (Schumann).
 "When e'er Thine Eyes I Gaze Upon" (Schumann).
 12.37 p.m.—THE STATION ORCHESTRA:
 "A Suite for Young People" (Schumann).
 12.47 p.m.—CHARLES ULIVI, baritone:
 "La Calunnia e un Venticello"—"Barber of Seville" (Rossini).
 12.54 p.m.—THE STATION QUARTETTE:
 String Quartet, "Andante Cantabile" (Schumann).
 1 p.m.—Melbourne Observatory time signal.
 1.1 p.m.—KATHLEEN CASTLES, mezzo-soprano:
 "Earliest Green" (Schumann).
 "Dedication" (Schumann).
 1.3 p.m.—Meteorological information. Weather forecast for Victoria, Tasmania, South Australia and New South Wales. Ocean forecasts. River reports.
 1.15 p.m.—THE STATION ORCHESTRA:
 "Piano-Quartet Op. 47, 1st Movement" (Schumann).
 1.22 p.m.—CHARLES ULIVI, baritone:
 "Vecchia" (Boheme).
 Selected.
 1.29 p.m.—THE STATION ORCHESTRA:
 "Nocturnal Piece" (Schumann).
 1.45 p.m.—Close down.

AFTERNOON SESSION.

2.15 p.m.—THE RADIO-ACES:
 "Dance of the Dolls."
 "Last Night I Dreamt You Kissed Me" (Kahn).
 "That's My Mammy" (Donaldson).
 2.24 p.m.—NORMAN PILL, comedian.
 "Don't Spoil the Ship."
 "Coming Home."
 2.31 p.m.—THE RADIO-ACES:
 "Honeymoon Cottage" (Lumsdaine).
 "I'm Wingin' Home" (Russell).
 "Evening Star" (Turk).
 2.40 p.m.—STEWART AND LORRAINE:
 Humorous Instrumentalists.
 2.47 p.m.—RADIO-ACES:
 "Russian Rag" (Stitzel).
 "Lolita" (Stoneham).
 "Henry's Made a Lady out of Lizzie."
 2.56 p.m.—RITA HILTON, soubrette:
 "Whistle It."
 "The Tale of an Ostrich Feather."
 3 p.m.—THE RADIO-ACES:
 "We'll Have a New Home in the Morning."
 "Oriental Moonlight" (Seamon).
 "Bid all Your Troubles Good-bye" (Leslie).
 3.12 p.m.—J. HARCOURT FRENCH, tenor:
 "Lone Lily" (Bothwell Thompson).
 "Mary of Argyle" (Nelson).
 3.19 p.m.—THE RADIO-ACES:
 "What Will You Do?" (Muller).
 "My Melancholy Baby" (Noston).
 "Ice Cream" (Jones).

3.28 p.m.—NORMAN PILL, comedian:
 "Shoe Shops."
 "How We Saved the Barge."
 3.35 p.m.—THE RADIO-ACES:
 "Love Affairs" (Robinson).
 "Sunshine" (Berlin).
 "Rag Doll"—Piano solo.
 ONE-ACT PLAY.
 3.44 p.m.—"JUST AS WELL," by Hartley Manners.
 CAST:
 Hastings Trawbridge, MAURICE DUDLEY.
 Dora Sweetmarch, MRS. MAURICE DUDLEY.
 4 p.m.—THE RADIO-ACES:
 "Sweet Ella May" (Robinson).
 "Cry Baby" (Smith).
 "Rose of Monterey" (Guy).
 4.9 p.m.—STEWART AND LORRAINE:
 Humorous Instrumentalists.
 4.16 p.m.—THE RADIO-ACES:
 "Red Head" (Embury).
 "The Man I Love" (Gershwin).
 "Was It a Dream" (Britt).
 4.25 p.m.—RITA HILTON, soubrette:
 "Hayin' a Richt Guid Time."
 "Mrs. Jean Macfarlane."
 4.32 p.m.—THE RADIO-ACES:
 "Together" (Brown).
 "Mary Ann" (Davis).
 "Tell Me To-night" (Little).
 4.41 p.m.—J. HARCOURT FRENCH, tenor:
 "Little Irish Girl" (Lohr).
 "In Love" (Lohr).
 4.48 p.m.—THE RADIO-ACES:
 "Oh, Doris, Where do You Live" (Kahn).
 "There's One Little Girl Who Loves Me."
 "Polly" (Zamecnik).

NEWS SESSION.

5 p.m.—Herald news service. Stock Exchange information.
 5.10 p.m.—Final acceptances for the V.R.C. Cantala Stakes and for the Melbourne Cup.
 5.15 p.m.—Close Down.
 During the afternoon progress scores will be given of the Cricket Match, England v. South Australia, at Adelaide.

EVENING SESSION.

CHILDREN'S HOUR.

6 p.m.—Answers to Letters and Birthday Wishes.
 6.25 p.m.—Musical interlude.
 6.30 p.m.—"LITTLE MISS KOOKABURRA" will tell the Tiny Ones about "Billy and Bunny and Their Tent for Two." And then talk about "Hallowe'en." And lastly, the final instalment of "Marooned on the Island of Eileann-a-sidhe!"

NIGHT SESSION.

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. Fish market reports by J. R. Borrett, Ltd. Market reports by the Victorian Producers' Co-operative Co., Ltd. Poultry, grain, hay, straw, jute, dairy produce and onions. Market reports of fruit by the Victorian Fruit-growers' Association. Retail prices. Wholesale prices of fruits by the Wholesale Fruit Merchants' Association. Citrus fruits.
 7.30 p.m.—News session and results of cricket match, England v. South Australia, at Adelaide.
 7.43 p.m.—Birthday Greetings.
 OUT OF THE PAST.
 7.45 p.m.—On October 30th, 1901, General Botha, under cover of a hailstorm, attacked and inflicted severe loss on troops under Colonel Bansa at Brakenlaagte. The all-British Pacific Cable was completed in 1902, and the Armistice with Turkey was signed on October 30th, 1918.

"LEWCOS"

ALL BRITISH

Wires and Radio Products



The name "LEWCOS" stands for the highest quality in Radio Production. Attention is drawn to the following "LEWCOS" lines which may be obtained from all Radio Dealers, viz.:—

16 and 18 SWG "Glazite" Connecting Wire (6 colors).

Flexible "Glazite" (6 colors).

Silk Braided Frame Aerial Wire (7 colors).

Rubber Covered Lewcoflex (sizes, 14/0076 and 23/0076), in 5 colors.

**All Classes of Winding Wires, also
Genuine 1928 "LEWCOS" Solodyne Kits
(WITH WAVE TRAP)**

Write for further particulars.

LONDON ELECTRIC WIRE CO. & SMITHS LTD.

In Conjunction with their Associated Company

The Liverpool Electric Cable Co. Ltd.

LEWCOS HOUSE, 233 CLARENCE ST., SYDNEY

Telephones { MA 1966
 M 3521

7.46 p.m.—Under the auspices of the UNIVERSITY EXTENSION BOARD, G. L. WOOD, M.A., Senior Lecturer in Economics and Economic Geography, will speak on: "Australian Immigration Problems."

A MAKER OF HISTORY.

8 p.m.—To-day we commemorate the birth of the famous Scottish author, Michael Scott.

A BAND CONCERT.

8.1 p.m.—NORTHCOTE CITIZENS' AND SOLDIERS' BAND (Conductor, W. H. GORE, Jnr.):

March, "Victoria" (Lithgow).
Waltz, "Flowers of Australia" (Looki).

8.10 p.m.—VICTOR HARDING, bass:
"Onaway, Awake, Beloved" (Cowen).
"I Will Not Grieve" (Schumann).

8.17 p.m.—NORTHCOTE CITIZENS AND SOLDIERS' BAND:

Selection, "Edinburgh Town" (Smith).

8.27 p.m.—JESSIE IRWIN, soprano:
"Villanette" (Dellacqua).
"Oh, Moon Upon the Water" (Cadman).

SCOTS CHURCH CHOIR.

8.34 p.m.—Transmitted from Scots Church, Collins Street, Melbourne — SCOTS CHURCH CHOIR. (Conductor, MANSLEY GREER):

"A SONG OF VICTORY."

(Sacred Cantata.)

(Ferdinand Hiller.)

ANNIE CADDELL, soprano.

MADAME GREGOR WOOD, contralto.

WILLIAM DAVEY, tenor.

LESLIE PAULL, bass.

FROM THE STUDIO.

9.9 p.m.—THE IMPERIAL RUSSIAN TRIO:

THE TRIO:

"Trig in C Minor" (Beethoven).

Andante Cantabile con variazioni.

"Menuetto" (Beethoven).

WILLIAM IBSTER, piano:

"Recuerdos de Viaje" (Albeniz).

ARVED NORIT, violin:

"Andantino" (Martini).

9.24 p.m.—CHARLES ULIVI, baritone:

"Racconto," "Il Trovatore" (Verdi).

Selected.

9.31 p.m.—NORTHCOTE CITIZENS AND SOLDIERS' BAND:

March, "B.B. and C.F." (Hume).

Air Varie, "Pace be Still" (late W. H. Gore, Snr.).

9.41 p.m.—JESSIE IRWIN, soprano:

"The Waltz Song" (German).

"Butterflies and Lilacs" (Boanas).

9.48 p.m.—NORTHCOTE CITIZENS' AND SOLDIERS' BAND:

Idyll, "Meditation" (Smith).

"Angelus" (Morrell).

9.55 p.m.—VICTOR HARDING, bass:

"One of the Guards" (Fisher).

"We Sway Along" (Mallinson).

10.2 p.m.—AGNES FORTUNE, piano:

"Liebestraume Nos. 1 and 2" (Liszt).

NEWS SESSION.

10.10 p.m.—"Argus" news service. Meteorological information. British official wireless news. Announcements. Sporting notes by "Olympus." Selections by ERIC WELCH for the Kyneton races.

MUSICAL PROGRAMME CONTINUED.

10.17 p.m.—STEWART and LORRAINE:

"Humorous instrumentalists."

10.24 p.m.—FREDA NORTHCOTE, contralto:

"Sapphic Ode" (Brahms).

"Tit for Tat" (Pontent).

10.31 p.m.—NORTHCOTE CITIZENS' AND SOLDIERS' BAND:

Sacred number, "Will You Meet Me at the Fountain" (late W. H. Gore, sen.).

March, "The Great Little Army" (Alford).

10.41 p.m.—STEWART and LORRAINE:

"Humorous instrumentalists."

10.48 p.m.—FREDA NORTHCOTE, contralto:

Two Chinese songs.

"My Cinnamon Tree" (Monckton).

"Sloe Eyes" (Rubens).

DANCE MUSIC.

10.56 p.m.—THE RADI-O-ACES:

11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE.

TUESDAY, 30th OCTOBER, 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.—A Recital of the best and latest Recordings.

12.30 p.m.—British official wireless news.

Announcements.

12.40 p.m.—A continuation of the Recital of Recordings.

1.30 p.m.—Close down.

EVENING SESSION.

5 p.m.—A reproduction of Master Musicians and their art.

NIGHT SESSION.

8 p.m.—Under the auspices of the Town Planning Association. Mr. R. H. Croll: "Town Planning; Views of the Man in the street."

8.15 p.m.—A. W. Jackson: "Golf."

8.30 p.m.—The opera "Maritana," presented by the Northern District Operatic Society, and transmitted from the Moonee Ponds Town Hall. Musical Director: E. A. Parker. From the Studio—

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, 30th OCTOBER, 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.

4.15 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 "Uncles" Ben and Pete.

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: A talk on "Photography" by Mr. F. L. South (Manager, Kodak Ltd.).

NIGHT SESSION.

8 p.m.—From the studio:

A classical programme by the Richmond Party:

Jack Ellis, piano, Ottillie Cloake, 'cello, Max Aronsten, baritone:

Instrumental trio, "Melodie" (Tchaikowsky).

Mrs. W. F. Hamilton, mezzo soprano:

"My Heart is Weary" (A. Goring Thomas).

Max Aronsten, baritone:

"Once There Lived a King" (Alsatian ballad: Ivanoff).

"Hopak" (Moussorgsky).

Ottillie Cloake, 'cello: Selected.

Mrs. W. F. Hamilton, mezzo-soprano, and

Max Aronsten, baritone:

Vocal duet, "Nymphs and Shepherds" (Purcell).

Jack Ellis, piano:

"Rhapsodie" (Brahms).

Mrs. W. F. Hamilton, mezzo-soprano:

"Hindoo Song" ("Despair"—Bemberg).

Max Aronsten, baritone:

"Had You But Known" (Denza).

"Morning Song" (Cox).

"Rose Softly Blooming" (Spohr).

Ottillie Cloake, 'cello: Selected.

Mrs. W. F. Hamilton, and Max Aronsten:

Vocal duet: "The Day is Done" (Lohr).

Jack Ellis, piano:

"Greeting Without Words" (Percy Brier).

"If I Were a Bird" (Hensel).

"Water Wagtail" (Cyril Scott).

Jack Ellis, piano, Ottillie Cloake, 'cello,

Max Aronsten, violin:

"Serenade" (Chaminade).

Accompaniste: Mr. Jack Ellis.

9 p.m.—Metropolitan weather forecast.

Part II.—BRISBANE APOLLO CLUB.

9.1 p.m.—From the Brisbane School of Arts:

The Brisbane Apollo Club (conductor,

Leonard Francis):

"Sir Cuckoo" (Hoffman).

"Trelawny" (Thayer).

"Trim Ship" (Crosse).

"Eventide" (Shepard).

Between items the following will be broadcast from the Studio.

Jean McDougall, soprano:

"Spring Will Return With You" (O'Hara).

"They Say" (Evans).

Part III.—STUDIO CONCERT.

9.30 p.m.—The Studio Instrumental Quartette:

Popular numbers.

9.35 p.m.—Little Bonnie Bell, elocutionist:

"Naughty Little Word."

"Hullo."

9.40 p.m.—S. P. Bacon, tenor:

"Sympathy" (Marshall).

"Bird Songs at Eventide" (Coates).

9.46 p.m.—Studio Instrumental Quartette:

In popular numbers.

10 p.m.—Late news; "Queenslander" bi-weekly

news service for country listeners; weather

news.

10.30 p.m.—Close down.

5CL, ADELAIDE

TUESDAY, 30th OCTOBER, 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.

12.15 p.m.—British Official Wireless news.

12.20 p.m.—Rita Watson, contralto:

"Now sleeps the crimson petal."

"Life is a song" (Meale).

12.27 p.m.—Bertha Jones, violinist:

"Evensong" (Martin).

"Canzonetta" (D'Ambrosio).

12.34 p.m.—The Radio Trumps:

In comedy numbers.

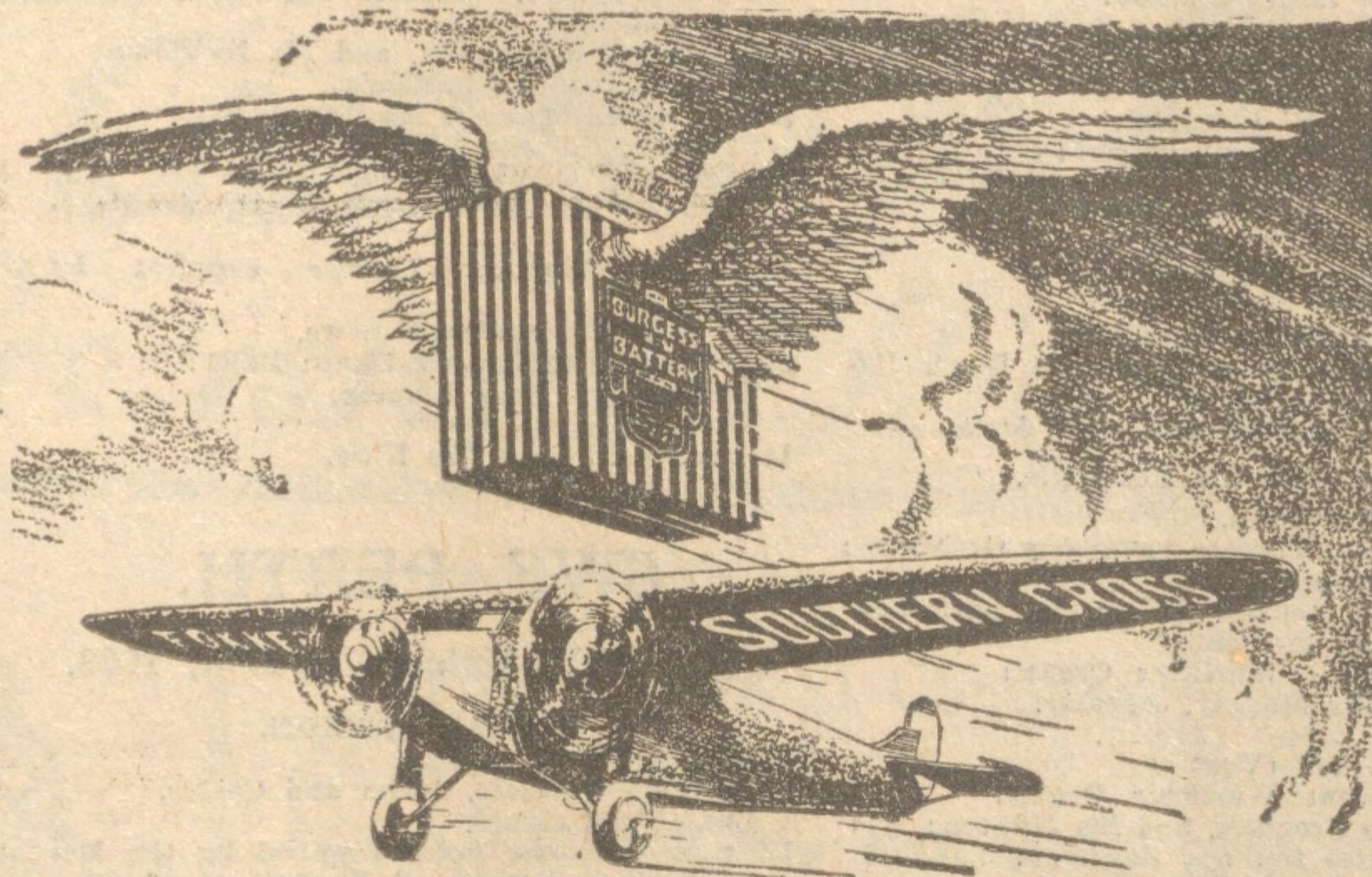
12.43 p.m.—Walter Hurst, pianist:

"Autumn" (Chaminade).

12.48 p.m.—Railways information.

Kingsford Smith carried Burgess again!

Mr.
McWilliams
says . . .



“Burgess Batteries again demonstrated their superiority by continuing to function perfectly, even after being saturated with water.”

The same dependable Batteries are sold
in Australia by all high-class dealers

BURGESS CHROME-BUILT RADIO BATTERIES

NEW SYSTEM TELEPHONES PTY. LTD.
280 CASTLEREAGH ST., 181-3 KING ST., CHARLES ST.,
SYDNEY MELBOURNE ADELAIDE

Canada Cycle & Motor Agency (Q.) Ltd.,
Creek & Adelaide Streets, Brisbane

RECOGNISED BY THEIR
STRIPES
REMEMBERED BY THEIR
SERVICE

12.50 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.—Howard Bauerochse, tenor:
 "Ah, Moon of my delight" (Lehmann).
 "On St. Nicholas Day" (Martin).
 1.7 p.m.—Bertha Jones, violiniste:
 "Elfentanz" (Jenkinson).
 "Songs my mother taught me" (Dvorak).
 1.14 p.m.—The Radio Trumps:
 In a merry entertainment.
 1.24 p.m.—Rita Watson, contralto:
 "Carmencita" (Lave).
 "An old Garden" (Temple).
 1.31 p.m.—Walter Hurst, pianist:
 "Sylvan" (Chaminade).
 1.38 p.m.—Howard Bauerochse, tenor:
 "Jack the fiddler" (Martin).
 "I wonder what the stars are."
 1.45 p.m.—Studio "Recreator":
 Recital of Columbia recordings.
 1.57 p.m.—S. C. Ward and Co.'s Stock Exchange information.
 2 p.m.—G.P.O. Chimes, and close down.

AFTERNOON SESSION.

3 p.m.—G.P.O. Chimes.
 3.1 p.m.—Regent Theatre Symphony Orchestra:
 Overture and selections.
 3.10 p.m.—Len Maurice, Whispering baritone:
 In whispering moments.
 3.17 p.m.—Regent Wurlitzer Organ:
 3.25 p.m.—Molly Mackay, soprano:
 "Se Saran Ro(se)" (Arditi).
 "Saper Vereste" (Verdi).
 3.32 p.m.—Regent Wurlitzer Organ:
 3.40 p.m.—Joe Brennan, and Ida Newton:
 Seven minutes fun and harmony.
 3.47 p.m.—Rev. G. E. Hale, B. A.:
 Will speak on "Put yourself in his place."
 4 p.m.—G.P.O. Chimes.
 4.1 p.m.—Len Maurice, Whispering baritone:
 "Radio Whispers."
 4.7 p.m.—Regent Symphony Orchestra:
 Orchestral selections.
 4.17 p.m.—Molly Mackay, soprano:
 "The last rose of summer" (Moore).
 "A Des Oiseaux."
 4.34 p.m.—Regent Symphony Orchestra:
 Symphonic Selections.
 4.39 p.m.—Joe Brennan, and Ida Newton:
 Seven minutes music and frivolity.
 4.57 p.m.—S. C. Ward and Co.'s Stock Exchange 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, Songs and Stories by "The Wattle Lady."
 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 Exchange information.
 7.5 p.m.—General Market reports.
 7.8 p.m.—Sporting Service by "Silvius."
 7.20 p.m.—Miss Laurie McLeod:
 Talk on the Art of Dancing.
 7.30 p.m.—Gardening Talk:
 Supplied by Lassock's Nurseries, Henley Road, Lockleys.
 7.40 p.m.—Dr. Herbert Basedow, M.P.:
 Will give a talk on "Our Great Continent."

NIGHT SESSION.

8 p.m.—G.P.O. Chimes.
 8.1 p.m.—Hindmarsh Municipal Band:
 March: "Europe United" (Zehle).
 Overture, "Light Cavalry" (Jacobs).
 8.13 p.m.—Len Maurice, Whispering baritone:
 "Wireless Whispers."
 8.20 p.m.—Hindmarsh Municipal Band:
 Selection, "Ballad Memories" (Baynes).
 8.30 p.m.—Joe Brennan, and Ida Newton:
 Ten minutes fun and harmony.
 8.40 p.m.—Hindmarsh Municipal Band:
 Selection, "Rose Marie" (Fruml).
 8.52 p.m.—Molly Mackay, soprano:
 "Carnival of Venice."
 "The Spinning Wheel."
 8.59 p.m.—Dalgety's Wheat report.
 9 p.m.—G.P.O. Chimes.
 9.1 p.m.—Meteorological information.
 9.2 p.m.—One Act Play, by Courtney Ford and Gladys Gaul.

9.14 p.m.—Hindmarsh Municipal Band:
 Intermezzo, "Hypatia" (Hume).
 Idyll, "My Syrian Maid" (Rimmer).
 9.22 p.m.—Len Maurice, Whispering baritone:
 "Wireless Whispers."
 9.29 p.m.—Hindmarsh Municipal Band:
 Waltz, "Whispers of Love" (Robinson).
 9.35 p.m.—Molly Mackay, soprano:
 Aria, "Caro Nome" (Verdi).
 9.42 p.m.—Hindmarsh Municipal Band:
 Trombone solo, "Perfect Day" (soloist, A. Radcliffe).
 9.46 p.m.—Joe Brennan, and Ida Newton:
 In more fun and harmony.
 9.53 p.m.—Hindmarsh Municipal Band:
 Fantasia, "Rustic Festival" (Calvert).
 10 p.m.—G.P.O. Chimes.
 10.1 p.m.—"The Advertiser" general news service.
 10.10 p.m.—Sporting Service supplied by "Silvius."
 10.15 p.m.—International news.
 10.20 p.m.—The Maison Dance Band:
 Transmitted from Glenelg.
 Dance numbers.
 11 p.m.—God Save The King.

6WF, PERTH.

TUESDAY, 30th OCTOBER, 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.—The 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. S. Battye, B.A., LL.B.
 8 p.m.—Time signal.
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.
 Station announcements such as alterations to programmes, etc.
 8.3 p.m.—Orchestral Night:
 Concert by 6WF's Station Orchestra, conducted by Mr. W. A. Wilkins.
 Vocal assisting artist:
 9 p.m.—Late news items by courtesy of "The Daily News" Newspaper Co.
 Ships within range announcement.
 Weather report and forecast.
 Station announcements.
 10.50 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, 30th OCTOBER, 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 Masters Voice in Moments Merry and Musical.
 12.11 p.m.—British Official Wireless news.
 12.20 p.m.—His Masters Voice in Moments Merry and Musical.
 12.35 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 Masters Voice in Moments Merry and Musical.
 1.30 p.m.—Close down.

AFTERNOON SESSION.

A Happy Hour for Old and Young.
 3 p.m.—G.P.O. Clock chimes the hour.
 3.1 p.m.—Weather information.
 3.5 p.m.—Fox trot, "No wonder I'm happy."
 Fox trot, "Sing me a Baby Song."
 Bance Band:
 Fox trot, "Together we Two."
 Fox trot, "Baby Feet go Pitter Patter."
 Alfred O'Shea, tenor:
 "What a wonderful world it would be."
 Flute Quartette:
 "Scotch and Irish Airs."
 "Carnival of Venice."
 Orchestra: "The Clock is Playing."
 "Chanson Bohemienne."
 Guitar Duet: "Hawaiian Waltzes."
 "Hawaiian Medley."
 Rena Male Quartette, Descriptive:
 "Farmyard Medley" (With effects).
 "Steamboat Medley" (With effects).
 Charles Hackett, tenor:
 "The Sunshine of your Smile."
 "Believe me if all."
 Paul Whiteman's Orchestra, Selection:
 "My Hero"—The Chocolate Soldier.
 "Merry Widow."
 Cellini, tenor:
 "Marie my Girl."
 Choir, 850 Voices:
 "Hunting Song" Robin Hood.
 The Silver Star Band:
 Selection, "The Mikado" (Part 1).
 "The Mikado" (Part 2).
 Orchestra, Overture:
 "Light Cavalry" Parts 1 and 2).
 4.15 p.m.—Educational Talk:
 "Education is a possession which cannot be taken away from Men." (Epictetus).
 4.30 p.m.—Close down.

EARLY EVENING SESSION.

CHILDREN'S HOUR.

6.15 p.m.—His Master's Voice in Moments Merry and Musical.
 6.45 p.m.—The Storey Lady, A Story for the Children. "Florence Nightingale."
 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.

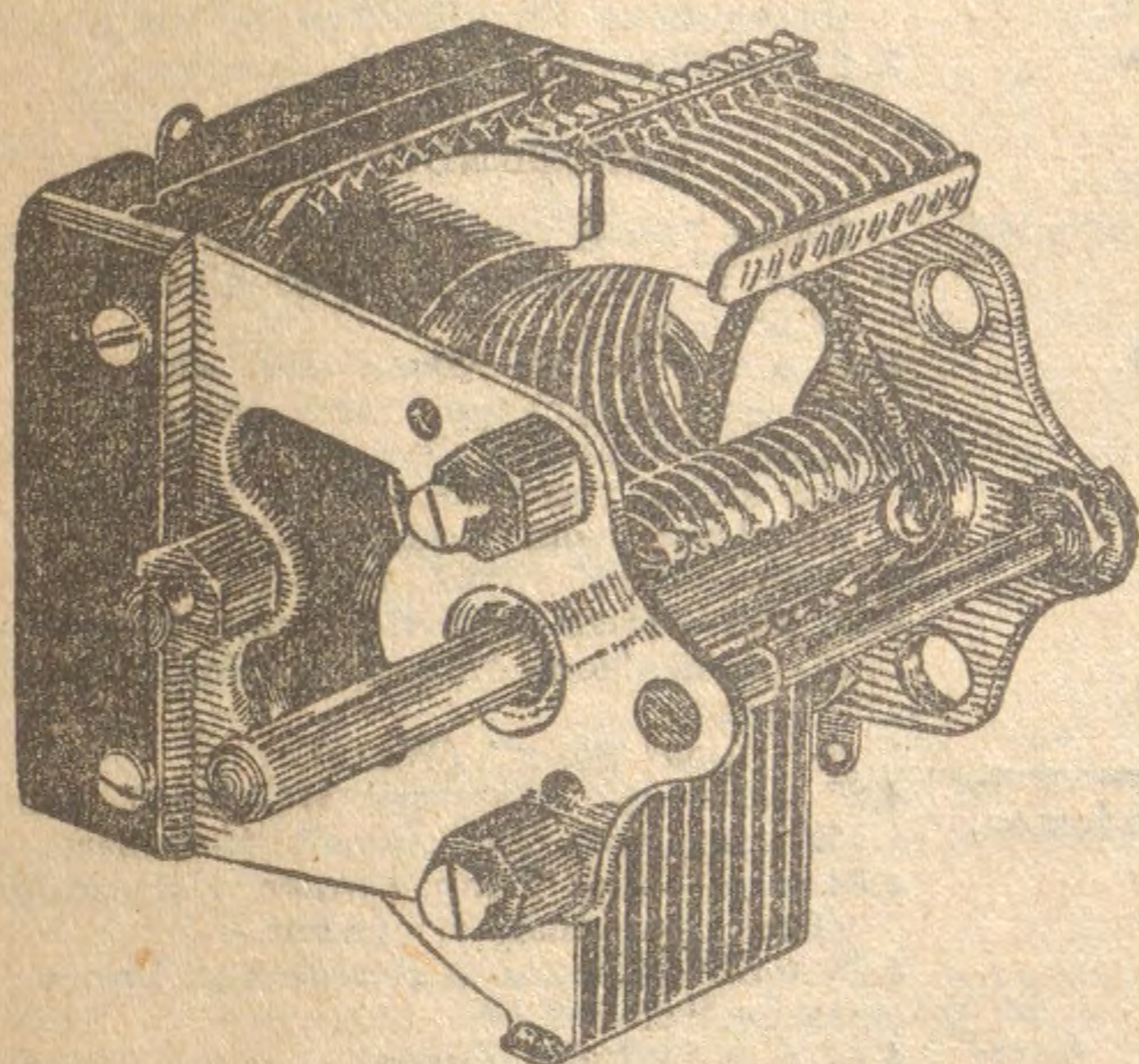
7.30 p.m.—Under the Auspices of the Agricultural and Stock Department of Tasmania, Mr. Atkinson, will speak on:
 "A Talk on the Dairy Industry."
 7.45 p.m.—W. E. Fuller will speak on:
 "Literary Lapses and Library Lists."
 8 p.m.—Miss Margaret O'Grady, Daughter of His Excellency The Governor of Tasmania, will speak under the Auspices of 7ZL and "Mercury," Hospital Wireless Equipment appeal on:
 "Helping the Helpless."
 8.5 p.m.—Fifty Years Ago To-day.
 8.10 p.m.—His Master's Voice in Moments Merry and Musical.
 8.30 p.m.—Transmission from the Continental, Macquarie Street, Hobart, (Theo Pipkin, conductor).
 From the Studio.

NEWS SESSION.

9.50 p.m.—British Official Wireless news.
 "Mercury" news service.
 Ships within Wireless range.
 Tasmanian District Weather report.
 10 p.m.—G.P.O. Clock chimes the hour.
 10.3 p.m.—God Save The King.



The Condenser of Precision & Efficiency



Emmco Superstratelyne Condenser.

**Unsurpassed by
any imported make.**

Ample Stocks Available.

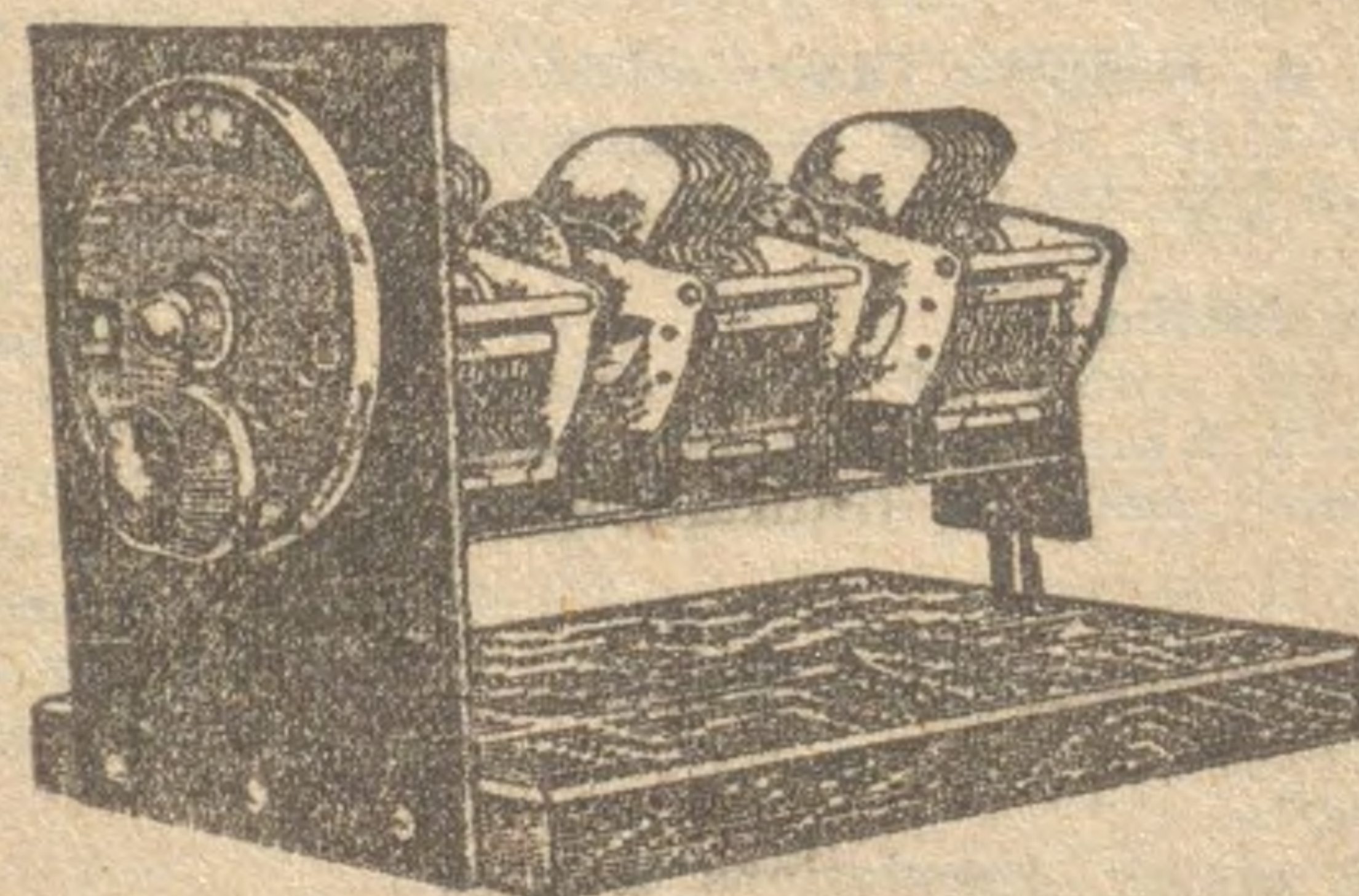
This improved Condenser, with its cast Bakelite base and improved brass frame, gives absolutely correct minimum and maximum capacities. Perfect insulation, true alignment, easily adjustable brass frame, cut-away brass plates in both Stator and Rotor, pig-tailed, and adaptable for either base or panel mounting, adjustable cone bearings.

Super Stratelyne Condensers. Prices :
.0005, 12/6. .00025 and .00035, 12/-.
Short Wave, all capacities, 11/6.

THE SIMPLEX THREE GANG ONE CONTROL CONDENSER

is the latest from Emmco to take the Radio market by storm. This Three Gang One Control has features which are not present in any other make. Absolutely no back lash or play between condensers. Especially valuable for Solodyne Circuits. The Unions are all insulated and have lugs attached to the Condensers, so that they can be wired together to earth the rotor if so desired. The Simplex is easily and firmly mounted with a one-hole fixing. That's all. The adjustable mounting bracket enables you to get the exact elevation from baseboard or sub-panel that you require. An absolutely rigid frame prevents any give or play. Condensers were made especially to balance perfectly in gang-work. They have trimmer plates to facilitate balancing. This Simplex is far superior in solidity and fine tuning to any imported one dial control. Made in Two Capacities, .0005 and .00035. Price, £3.

Any standard dial can be used with this. $\frac{1}{4}$ in. shaft.



Simplex Three Gang Condenser.

Made by Electricity Meter Mfg. Co. Ltd.

Exclusive Factory Representatives :

139 Clarence St. Sydney
TEL. 9W 1326

*Manufacturers
of
Products*

57-59 Place of Little Collins St.
MELBOURNE

Wednesday, October 31

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.
10.35 a.m.—Pianoforte reproduction.
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.—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.
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.
Note.—Description of the races from Rosehill racecourse will be broadcast during the afternoon.

AFTERNOON SESSION.

- 2 p.m.—"Big Ben."
Racing.—Note: A complete description of events in the running of the race meeting at Rosehill will be given throughout the afternoon.
Pianoforte reproduction.
Cricket.—Progress scores of the cricket match, New South Wales versus Queensland, played at Brisbane, will be transmitted as received.
Studio Music.

FROM PALING'S CONCERT HALL:
approx.

- 2 p.m.—"Big Ben."
At intervals of racing descriptions a programme of vocal and instrumental music, arranged by Cyril Monk:
1. "Sonata for Two Violins" (Handel).
Master William Krasnik and Lionel Hickey.
2. "Re del' Abises" (Verdi).
Eleanor Stanton, contralto.
3. Violin solos:
(a) "Irish Air" (Alfred Hill).
(b) "Bourree" (Papini).
Lionel Hickey.
4. Piano Solos:
(a) "Etude F Minor," No. 9 (Chopin).
(b) "Noel" (Balfour Gardiner).
Olga Krasnik.
5. Songs:
(a) "Litany for All Souls' Day" (Schubert).

- (b) "Jack and Jill" (Sanderson).
Eleanor Stanton.
6. Violin solos:
(a) "Elegy" (Frank Hutchens).
(b) "Ballet Music" from "Rosamunde" (Kreisler).
William Krasnik.
The Ambassadors' Dance Orchestra, during racing intervals, at the conclusion of the programme arranged by Mr. Cyril Monk.
4.45 p.m.—From the Studio:
Stock Exchange, third call.
4.48 p.m.—Complete sporting resume.
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" and assisted by Uncle Ted and "Sandy."
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.
7 p.m.—"Big Ben." Late news service.
7.10 p.m.—The 2FC Dinner Quartet, conducted by Horace Keats:
(a) "In Bagdad" (Leigh).
(b) "A Kiss in the Dark" (Herbert).
(c) "Serenata Napolitana" (Bece).
(d) "Rose Marie" (Friml).
(e) "One Hour" (Longstaffe).
(f) "Oh! Maybe it's You" (Berlin).

NIGHT SESSION.

- 7.40 p.m.—Programme announcements.
7.47 p.m.—Pianoforte selection.
8 p.m.—"Big Ben." The N.S.W. Broadcasting Company's Orchestra. Conductor, Willie Redstone.
8.15 p.m.—John Mitchell, tenor:
(a) "Life and Death" (Taylor).
(b) "Terence's Farewell" (Dufferin).
8.22 p.m.—The N.S.W. Broadcasting Company's Orchestra.
8.37 p.m.—John Mitchell, tenor:
(a) "Carmela" (De Curtis).
(b) "That is All" (Clark).
8.45 p.m.—The N.S.W. Broadcasting Company's Orchestra.
9 p.m.—"Big Ben."
From Paling's Concert Hall: "Estey" Organ recital by Arnold Mote, interspersed with vocal items by Richard Parry, basso:
(a) "Sea Fever" (John Ireland).
(b) "Nightfall at Sea" (Montague Phillips).
(c) "The Windmill" (Nelson).
(d) "Jane" (Barker).
rivals, departures, and sailings.
10 p.m.—"Big Ben."
From the Studio: Talk: Lucille Bruntnell, "Impressions of State Functions in London."
10.12 p.m.—Dance music.
10.27 p.m.—To-morrow's programme and announcements.
10.30 p.m.—National Anthem.
Close down.

2BL, SERVICE.

WEDNESDAY, 31st OCT. 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, ar-

- 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 Vigaro 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.
12.45 p.m.—"Sun" midday news service.
12.55 p.m.—Studio music.
1.30 p.m.—Talk to children and special entertainment for Children in Hospital.
2 p.m.—Close down.

AFTERNOON SESSION.

- Note: Scores from match, N.S.W. v. Queensland at Brisbane will be given during the afternoon.
3.45 p.m.—G.P.O. Clock and chimes.
Musical programme from the studio.
4 p.m.—Romano's Restaurant Dance Orchestra under the direction of Mr. Merv. Lyons broadcast from Romano's.
10 p.m.—"Sun" news service.
4.20 p.m.—Miss Ella Goodman, Soprano:
(a) Aria from "Tales of Hoffman" (Offenbach).
(b) "Boat Song" (Ware).
4.27 p.m.—Mr. Maynard Wilkinson, pianist:
"Theme and Variations" (Schubert).
4.34 p.m.—Miss Edna Fenner, elocutionist:
"The Irrepressible" (Anon).
4.36 p.m.—Romano's Restaurant Dance Orchestra.
4.45 p.m.—Studio music.
4.52 p.m.—Miss Edna Fenner:
"Orange Blossom."
4.55 p.m.—Romano's Restaurant Dance Orchestra.
5.5 p.m.—Miss Ella Goodman:
(a) "Call of the lark" (Speaks).
(b) "Si Mes Vers Avaient des Ailes" (Hahn).
5.12 p.m.—Mr. Maynard Wilkinson:
(a) "Pendant la Valse" (Thome).
(d) "Humoreske in D" (Grieg).
5.19 p.m.—Miss Edna Fenner:
"Our Fancy Dress Ball" (Newman).
5.26 p.m.—Studio music.
5.33 p.m.—Features of evening's programme.
5.35 p.m.—Racing resume of Rosehill races.

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.—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.—The Four Kellys, instrumentalists:
(a) "Americus Overture" (Voelker).
(b) "In a Chinese Temple Garden" (Kettleby).
8.13 p.m.—Mr. Norman Janson, baritone.
8.20 p.m.—Sketch by Mr. Ellis Price and Mrs. Dobrinsky, entitled, "The Debutante" (Ellis Price).

Mr. Radio Enthusiast!

We wish to bring before your notice the prices of Radio Sets and accessories listed below. Compare these prices and marvel at the money you will save by taking advantage of our offer.

SETS

	£	s.	d.
Trinity 5 Valve	8	10	0
Congress 3 Valve, complete	8	17	6
Portable 4 Valve Sets	14	10	0
Udisco 5 Valve Sets, from	6	10	0
Udisco 4 Valve Sets	4	10	0
Chapin 5 Valve	8	19	6

BATTERIES

42 Volt B Batteries, 12/6	0	10	6
T.A.B. 45 Volt B. Batteries	0	14	9
T.A.B. 1½ Volt A. Cells	0	1	9
Ray-o-vac 45 Volt B. Batteries	1	0	0
Clyde Accumulators, with Charger, £8/10/-	3	10	0

SPEAKERS

Quam Cone Speakers	3	10	0
Quam Horn Speakers	2	5	0
Hegra Cone Speakers	1	4	11

CONDENSERS

Compact .0005, .00025, .00035	0	5	11
S.L.F., .0005, 12/6	0	10	0
S.L.F., .00025, 12/-	0	9	7
Variable, All Types. 13/6	0	5	6
Variable, Midgets 3/6, and	0	3	9
Variable, 2 Gang	0	19	11
Variable, 3 Gang	1	7	6
Bremer Tully, 17 Plate	0	12	6

TRANSFORMERS

Midget, 3½ and 5—1. 13/9	0	11	0
Pep Punch, 3½ and 5—1. 10/6	0	8	5
Muter, 3½ and 5—1. 15/6	0	8	6

VALVES

	£	s.	d.
Philips, 4 Volt, A306.	0	5	6
Harmonique UX201A. 8/-	0	3	7
Cosmos. All Types. 5/6	0	1	11
Philips, UX201A. 8/-	0	3	11
Cosmos, UX Base, 2 Volt	0	1	11

Mullard, Philips and Radiotron also stocked.

MISCELLANEOUS

Vernier Dials. 7/6	0	6	0
Hydrometers	0	3	0
Carter 30 Ohm. Rheostats	0	3	0
Bradleyohms	0	4	6
Centralab Rheostats	0	3	0
Hoosick Rheostats	0	2	6
Remler Amplifiers	4	10	0
Muter Amplifiers	1	12	8
Browning Drake Coil Kits	1	15	0
Binocular Coils	0	5	11
Equamatic Coil Kits	0	15	0
R.F. Kits	1	7	6
Jewitt Micro Dials	0	15	0
K.K. Vernier Dials	0	5	6
Hoosick Dials	0	1	6
Muter Lightning Arrester	0	3	6
B.T. Torostyle Transformers	0	19	11
Frost Valve Sockets	0	1	0
Frost UV199 Valve Sockets	0	0	9
Frost UV199 Valve Sockets, 3 gang	0	2	6
S.P.D.T. and D.P.D.T. Switches, from	0	0	7
Neutralising Condensers	0	2	6
Choke Coils	0	3	6
Selatsite Wire, all colours—per length	0	0	3
Console Radio Cabinets	2	10	0
Table Model Cabinets (Maple), (cost 63/-). To Clear	2	0	0

TORCHES

Large Nickel Cased. Reduced from 16/6 to	5	6
Small Nickel Cased. Reduced from 9/6 to	3	6
Torch Batteries	1	6

For Further Information, Call at either of Our Two Stores.

Latimers' Wireless Supplies Ltd.

151 Castlereagh Street and 281 George Street, SYDNEY

- 8.30 p.m.—The Four Kellys:
 (a) "Oh, Doris" (Kahn).
 (b) "Midnight Bells" (Kreisler).
 (c) Medley of old airs.
- 8.42 p.m.—Weather report and forecast by courtesy of Government Meteorologist.
- 8.43 p.m.—Carlton and Shaw, entertainers.
- 8.53 p.m.—Talk on "General Sporting," by Mr. Claude Corbett.
- 9.8 p.m.—Mr. Norman Janson.
- 9.15 p.m.—Mr. Ellis Price:
 "Thirsty Work."
- 9.21 p.m.—The Four Kellys:
 (a) "There's One Little Girl Who Loves Me" (Kahn).
 (b) "Can't You Hear Me Say I Love You" (Brown).
 (c) "My Ohio Home" (Kahn and Donaldson).
- 9.35 p.m.—Carlton and Shaw.
- 9.45 p.m.—Radio Eisteddfod: A number of semi-finalists will be heard, drawn from the various sections as follows:
Choral Section:
 Choirs drawn from these 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.
- 10.55 p.m.—Resume of following day's programme.
- 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.

WEDNESDAY, 31st OCT. 1928.

EARLY MORNING SESSION.

"HERALD" BREAKFAST HOUR.

- 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 a.m.—Time signal. Express train information.
- 8.1 a.m.—Morning melodies.
- 8.15 a.m.—Close down.

MORNING SESSION.

- 10.50 a.m.—Selections by ERIC WELCH for the Kyneton races.
- 11 a.m.—3LO's CULINARY COUNSELS, or How to Create Creature Comforts with a Minimum of Cash.

RECIPE.

BAVARIOSE CUSTARD.

Half pint milk, yolk of 3 or 4 eggs, 1 gill cream, ½ oz. gelatine, essence vanilla, 1 teaspoon sherry, 1 oz. castor sugar. Soak gelatine in milk. Beat eggs and sugar together, dissolve gelatine in milk over the fire, add eggs and sugar. Stir with wooden spoon till it coats the spoon. Allow to cool, and add whipped cream. Set in mould and use for fillings or decorations in jelly.

3LO's HOUSEKEEPING HINT.—Ink stains can be removed from linen by soaking the part for 24 hours in milk, and then washing with soap and water. This will completely take out the stain.

- 11.5 a.m.—MISS I. BEAVEN:
 "Home-made confectionery."
- 11.20 a.m.—Musical interlude.
- 11.25 a.m.—MRS. M. CALLAWAY MAHOOD:
 "The Art of Decoration."

- 11.40 a.m.—Musical interlude.
- 11.45 a.m.—MRS. CLARENCE WEBER:
 "Physical Culture for Women."

MIDDAY SESSION.

MIDDAY NEWS 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. Reuters' and Australian 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, "Uncle Sam."
 Overture, "Don Quixote."
- 12.30 p.m.—IDA WRIGHT, contralto:
 "Still as the Night" (Bohm).
 "As I Went a Roaming" (Brahe).
- 12.37 p.m.—Stock Exchange information.
- 12.40 p.m.—JOHNSTON'S STUDIO BOYS:
 Selection, "Iolanthe."
- 12.50 p.m.—LORAYNE WRIGHT, soprano:
 "The Pipes of Pan are Calling" (Monckton).
 "The Night Wind" (Farley).
- 12.57 p.m.—JOHNSTON'S STUDIO BOYS:
 Humorous march, "Paddy's Patrol."
 Cornet solo, "I Passed by Your Window."
- 1.4 p.m.—Meteorological information. Weather forecast for Victoria, Tasmania, South Australia and New South Wales. Ocean forecast. River reports. Rainfall.
- 1.11 p.m.—IDA and LORAYNE WRIGHT, contralto and soprano:
 Duet, "Awake" (Blissier).
 "In Spring Time" (Hewton).
- 1.18 p.m.—JOHNSTON'S STUDIO BOYS:
 "Operatic Favorites."
- ROTARY CLUB.**
- 1.30 p.m.—Transmission from the Freemason's Hall, Collins Street, Melbourne. Speeches from the ROTARY CLUB LUNCHEON.
- 2 p.m.—Close down.

AFTERNOON SESSION.

- 2.13 p.m.—Description of Hurdle Race, two miles, KYNETON RACES, by ERIC WELCH.
- 2.20 p.m.—THE STATION ORCHESTRA:
 "The Flight of the Bumble Bee" (Rimsky-Korsakoff).
 "Hymn to the Sun" (Rimsky-Korsakoff).
- 2.30 p.m.—GWEN HART, soprano:
 "The Nursery from the Little White House" (Arundale).
- 2.35 p.m.—THE STATION ORCHESTRA:
 "Valse des Fleurs" (Tschaikowsky).
- 2.43 p.m.—Description of Novice Handicap, five furlongs, KYNETON RACES, by ERIC WELCH.
- 2.50 p.m.—CHAS. ULIVI, baritone:
 "Neapolitan Folk Songs."
- 2.58 p.m.—THE RUSSIAN IMPERIAL TRIO:
 (Arved Norit, violin; John Berzinsky, cello; and William Ibster, piano.)
 "Chanson Triste" (Tschaikowsky).
 "Poeme" (Filich).
 "Dear On a Night Like This" (Conrad).
 "Hungarian Dance No. 6" (Brahms).
- 3.13 p.m.—Description of Kyneton Handicap, one mile, KYNETON RACES, by ERIC WELCH.
- 3.20 p.m.—GWEN HART, soprano:
 "Dawn, Gentle Flower" (Bennett).
 "The Wild Rose" (Schubert).
- 3.27 p.m.—THE STATION ORCHESTRA:
 "Mazurka, Op. 7" (Chopin).
- 3.35 p.m.—TOM SEMPLE, tenor:
 "Come Into the Garden, Maud" (Balfe).
 "Lolita" (Peccia).
- 3.42 p.m.—Description of Handicap Trot, one mile three furlongs, at KYNETON RACES, by ERIC WELCH.
- 3.50 p.m.—TASMA TIERNAN, cello:
 "1st Movement Sonata" (Brahms).
- 3.56 p.m.—CHAS. ULIVI, baritone:
 Selected.
- 4.3 p.m.—THE STATION ORCHESTRA:
 "Nocturne" (Chopin).
 "A Fanciful Vision" (Rubenstein).

- 4.13 p.m.—Description of Kyneton Plate, five furlongs, KYNETON RACES, by ERIC WELCH.
- 4.20 p.m.—TOM SEMPLE, tenor:
 "Blow, Blow, Thou Winter Wind" (Quilter).
 "The Lark" (Glinka).
- 4.27 p.m.—STEWART and LORRAINE:
 "Humorous Instrumentalists."
- 4.33 p.m.—THE STATION ORCHESTRA:
 An Alpine Fantasy, "The Voice of the Bells" (Thurban).
- 4.43 p.m.—Description of the Kyneton Purse, six furlongs, KYNETON RACES, by ERIC WELCH.
- 4.50 p.m.—THE STATION ORCHESTRA:
 Selection, "Fedora" (Giordano).

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 "MARY, MARY."
- 6.25 p.m.—Musical interlude.
- 6.30 p.m.—"MARY, MARY" will tell you a Spanish Fable:
 "The Fox and the Wolf."

NIGHT SESSION.

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. Fish market reports by J. R. Borrett, Ltd. Market reports by the Victorian Producers' Co-operative, Ltd. Poultry, grain, hay, straw, jute, dairy produce, potatoes and onions. Market reports of fruit by the Victorian Fruiterers' Association. Retail prices. Wholesale prices of fruit by the wholesale Fruit Merchants' Association. Citrus fruits.
- 7.30 p.m.—News session and results of Kyneton Races.
- 7.43 p.m.—Birthday greetings.
- OUT OF THE PAST.**
- 7.45 p.m.—The first telegram was despatched from Melbourne to Sydney on October 31, 1858, and the town of Beersheba was captured, during the Great War, on October 31, 1917.
- A MAKER OF HISTORY.**
- 8 p.m.—To-day we think of JOHN EVELYN. HALLOWE'EN.
- 8.1 p.m.—THE STATION ORCHESTRA:
 Selection, "Hansel and Gretel" (Humperdinck).
 "Dance of Death"—Danse Macabre (Saint-Saens).
- 8.10 p.m.—RICHARD WEICHARD, tenor:
 "Faery Song" (Boughton).
 Selected.
- 8.17 p.m.—JOSEPH BARRILLE flute:
 "Water Sprites" (Hosmer).
- 8.22 p.m.—THE STATION ORCHESTRA:
 "Dance of the Sugar-Plum Fairy" (Tschaikowsky).
 Form the Nutcracker Suite.
 Suite, "In Fairyland" (Hosmer).
- 8.32 p.m.—WILLIAM TANISH:
 "A Hallowe'en story."
- 8.47 p.m.—RICHARD WEICHARD, tenor:
 "Dream Valley" (Quilter).
 Selected.
- 8.54 p.m.—THE STATION ORCHESTRA:
 "The Fire Music from The Valkyrie" (Wagner).
- AN INTERLUDE.**
- 9.4 p.m.—Professor R. J. A. BERRY, M.D., F.R.C.S., F.R.S., University of Melbourne:
 "Life, Manners and Customs in Li'l Ole New York."
- THE WORKS OF BEETHOVEN.**
- 9.19 p.m.—THE RUSSIAN IMPERIAL TRIO:
 ARVED NORIT, violin:
 "Rondino" (Beethoven).
 JOHN BERZINSKY, cello:
 "Menuet" (Beethoven).

"Homerex" Radio Accessories

Improve Your Radio Reception!

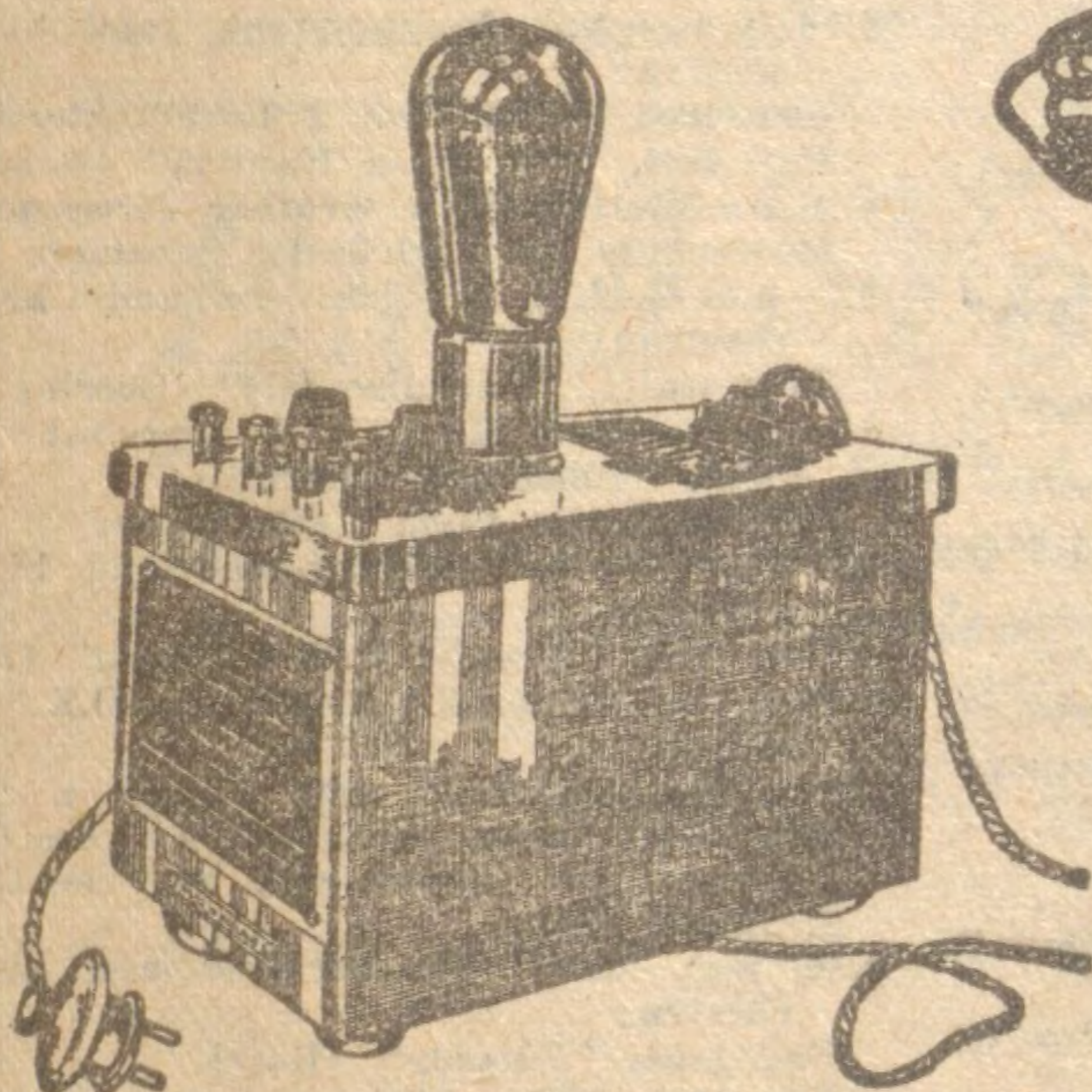
Buy Your
Accessories
on
Time Payment.

Easy
Instalments.
Small
Deposits.



PHILIPS P.C.J.J. LOUD
SPEAKER.

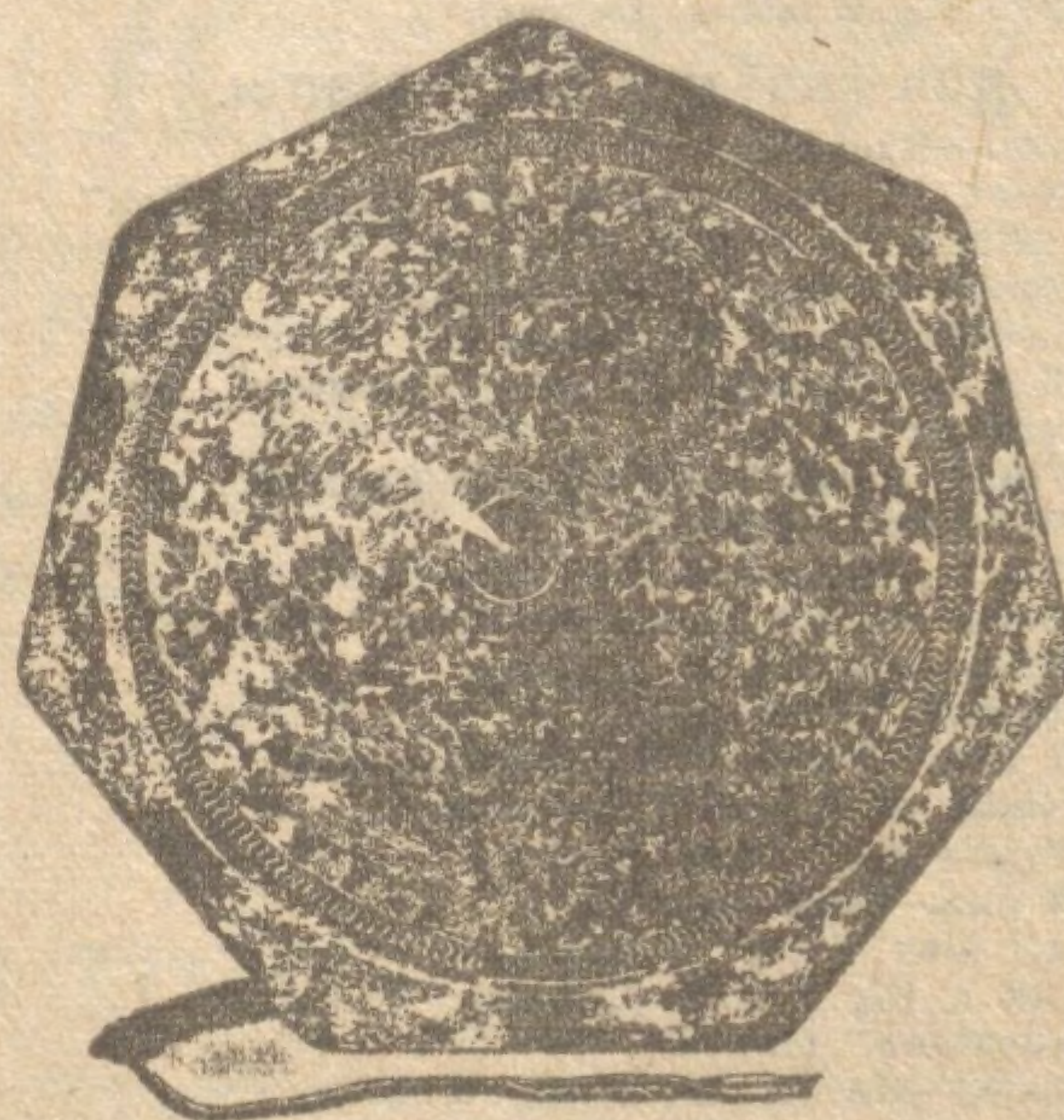
For the enthusiast who wishes absolute perfection in radio reception the Philips P.C.J.J. Speaker offers all that can be desired at a price which is exceptionally low,
£6/10/-



PHILIPS STANDARD "B"
ELIMINATOR, 372.

Here is the most popular power unit in Australia which, owing to a price reduction, is now actually a cheaper proposition than "B" Batteries. At its new price of £7/15/- there are none who need suffer the inconveniences of the dry battery.
Price **£7/15/-**

Everything
for the
Radio
Enthusiast!



PHILIPS BABY GRAND LOUD
SPEAKER.

This is a particularly fine baby model with an exceptionally clear tone and pleasing appearance. Splendid value at **£3/15/-**

OPEN UNTIL 9 p.m. FRIDAY.

Home Recreations (Australia) Ltd.

"THE TIME PAYMENT HOUSE"



388 George Street Opp. Beard Watson's SYDNEY

THE TRIO:

"Trio C Minor" (Beethoven).

Allegro con brio.

9.34 p.m.—CHARLES ULIVI, baritone:

"Splendore pio belle in ciel" (Donizetti)—
La Favorita.

9.41 p.m.—THE STATION ORCHESTRA:

"Peer Gynt Suite" (Grieg).

9.51 p.m.—MYRTLE WALSGOTT, contralto:

"The Forge" (Brahms).

"The Love Song" (Brahms).

9.58 p.m.—THE STATION ORCHESTRA:

Selection, "Merrie England" (German).

NEWS SESSION.

10.8 p.m.—"Argus" news service. British official wireless news from Rugby. Meteorological information.

10.18 p.m.—CHARLES ULIVI, baritone:

"Nume Custode Vindice"—Aida (Verdi).

9.41 p.m.—THE STATION ORCHESTRA:

"Petit Suite de Ballet" (Gluck).

9.51 p.m.—MYRTLE WALSGOTT, contralto:

"The Wanderer" (Schubert).

"Whither" (Schubert).

10.39 p.m.—THE STATION ORCHESTRA:

"Scenes Poétiques" (Godard).

DANCE MUSIC.

10.53 p.m.—THE RADIO-ACES.

11.30 p.m.—God Save the King.

3AR, MELBOURNE

WEDNESDAY, 31st OCT., 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:

"Next to You, I Like Me Next to You" (Bito).

"Shake it Down" (Williams).

"Lonely Acres" (Robinson).

11.15 a.m.—Dorothy Turner Crawford, contralto:

"Till I Awake" (Woodforde-Finden).

"Welcome" (Donald).

11.22 a.m.—Radi-o-Aces:

"Down in Old Havanna Town" (Cadser).

"Hugs and Kisses" (Alter).

"Egypt" (Seamon).

11.37 a.m.—Marjory Kuring, soprano:

"Night of Stars" (Offenbach).

"That's All" (May Brahe).

11.44 a.m.—Radi-o-Aces:

"All Day Long" (Cross).

"Got a Big Date" (Tobias).

"Sunshine" (Berlin).

12 noon.—Martin La Matt, tenor:

"When Song is Sweet" (Sans Souci).

"Lassie o' Mine" (Ed. J. Walt).

12.7 p.m.—Radi-o-Aces:

"Guatemala Melody" (Wenrich).

"Lauretta" (Lewis).

"Adoree" (Silver).

12.22 p.m.—British Official Wireless.

Announcements.

12.32 p.m.—Martin La Matt, tenor:

"I Heard You Go By" (Daniel Wood).

"Jeunesse" (Katharine Barry).

12.39 p.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).

12.54 p.m.—Dorothy Turner Crawford, contralto:

"Before the Dawn" (Lang).

"Red Roofs" (May Brahe).

1.1 p.m.—Radi-o-Aces:

"Laugh, Clown, Laugh" (Young).

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

"Loved Me" (Wilson).

1.11 p.m.—Marjory Kuring, soprano:

"Over the Waters Blue" (Robetr C. Clarke).

"The Second Minuet" (Besley).

1.18 p.m.—Radi-o-Aces:

"Fascinating Vamp" (Nussbaum).

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

"What a Baby" (Whiting).

1.30 p.m.—Close down.

EVENING SESSION.

5 p.m.—A Recital of Artists from all Countries.

NIGHT SESSION.

7.45 p.m.—P. W. Pearce, Physical Culture Talk: "Water Inside and Out."

8 p.m.—Welcome to Archbishop Lees, at St. Paul's Chapter House.

From the Studio—

8.45 p.m.—Johnston Studio Band:

Selection: "The Bohemian Girl."

Euphonium Solo: "O, Star of Eve," from Tannhauser.

9 p.m.—John D. Fraser, baritone:

"The Fuchsia Tree" (Quilter).

"Star Eyes" (Speaks).

9.7 p.m.—Franch Bros., banjos:

"An Old Guitar, and an Old Refrain."

"Sleep, Little Coon" (Brandon).

9.14 p.m.—Johnston Studio Band:

Grand Selection: "Memories of Gounod."

9.24 p.m.—Bessie Banks, soprano:

"Ho, Mr. Piper" (Pearl Curran).

"Three Green Bonnets" (Guy d'Hardelot).

9.31 p.m.—Mabel Nelson, pianoforte recital:

"Polonaise, Opus 40 in C Minor" (Chopin).

"Staccato Caprice" (Max Vogrich).

"Am Meer" (Schubert-Liszt).

"Country Gardens" (Grainger).

9.46 p.m.—J. Harcourt Bailey, entertainer:

"The Difference" (Desmond Kelly).

"Should Married Ladies Play Golf" (Dunne).

9.53 p.m.—Johnston Studio Band:

"Barcarolle," from Tales of Hoffman.

"Beethoven's Minuet in G."

10.3 p.m.—John D. Fraser, baritone:

"Now Sleeps the Crimson Petal" (Quilter).

"Song of the Stream."

10.10 p.m.—French Bros., banjos:

"Last Night I Dreamed I Kissed You" (Lombard).

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

10.17 p.m.—Bessie Banks, soprano:

"Songs My Mother Taught Me" (Dvorak).

"Love Sends a Little Gift of Roses" (Openshaw).

10.24 p.m.—Johnston Studio Band:

"Neapolitan Love Song" (Saziletta).

"Gloria" from Mozart's "12th Mass."

10.34 p.m.—J. Harcourt Bailey, entertainer:

"Gunga Din" (Kipling).

"The Blackest Man I Know" (Grey).

10.41 p.m.—Johnston Studio Band:

Selection from "The Meistersingers" (Wagner).

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, 31st OCT., 1928.

EARLY MORNING SESSION.

8 a.m.—From the Studio: 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.—The Postal Institute Orchestra.

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. Geo. 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

"Little Miss Brisbane."

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: "Ensilage"—by Mr. Bosworth (Queensland Agricultural High School and College).

NIGHT SESSION.

8 p.m.—Alf. Featherstone and his Orchestra: Fox trot, "In a Street of Chinese Lanterns" (Metcliffe).

Fox trot, "Safe in Your Arms" (Hamilton).

8.10 p.m.—Billy Maloney and Co.:

Ten minutes' melody and mirth.

8.20 p.m.—Alf. Featherstone and his Or-

chestra:

Fox trot, "Lauretta" (Silver).

Fox trot, "Adoree" (West).

8.30 p.m.—Tom Muller, elocutionist:

Selected items.

8.35 p.m.—Alf. Featherstone and his Or-

chestra:

Jazz waltz, "Was it a Dream?" (Coslow).

8.42 p.m.—Berenice Berg, contralto.

"My Land of Dreams" (Winne).

"Big Brother" (Rath).

8.50 p.m.—Alf. Featherstone and his Or-

chestra:

Fox trot, "The Man I Love" (Gershwin).

Fox trot, "Oh, Miss Hannah" (Deppen).

9 p.m.—Metropolitan weather forecast.

Movements of lighthouse steamers.

9.2 p.m.—Alf. Featherstone and his Or-

chestra:

Jazz waltz, "Paradise Isle" (Goering).

9.10 p.m.—Mrs. Robt. Bell, soprano:

"Sweet Melodies" (Brahms).

"Sleep, Little Coon" (Brandon).

9.18 p.m.—Alf. Featherstone and his Or-

chestra:

Fox trot, "Always Just a Dream" (Hamy).

Fox trot, "Someday You'll Say O.K." (Don-

aldson).

9.28 p.m.—"Tecoma" will deliver a further

talk in connection with 4QG's Home Garden

Scheme. His subject will be "The Care of

Growing Plants."

9.40 p.m.—Alf. Featherstone and his Or-

chestra:

Fox trot, "Picardy" (Rose).

Fox trot, "The Whisper Song" (Friend).

9.50 p.m.—Billy Maloney and Co.:

Ten minutes' mirth and melody.

10 p.m.—A. K. Chapman:

An astronomy talk: "The Giant Planet."

10.10 p.m.—Late news, weather news.

10.20 p.m.—Alf. Featherstone and his Or-

chestra:

Three-quarters of an hour's dance music.

11 p.m.—Close down.

6WF, PERTH.

WEDNESDAY, 31st OCT., 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.

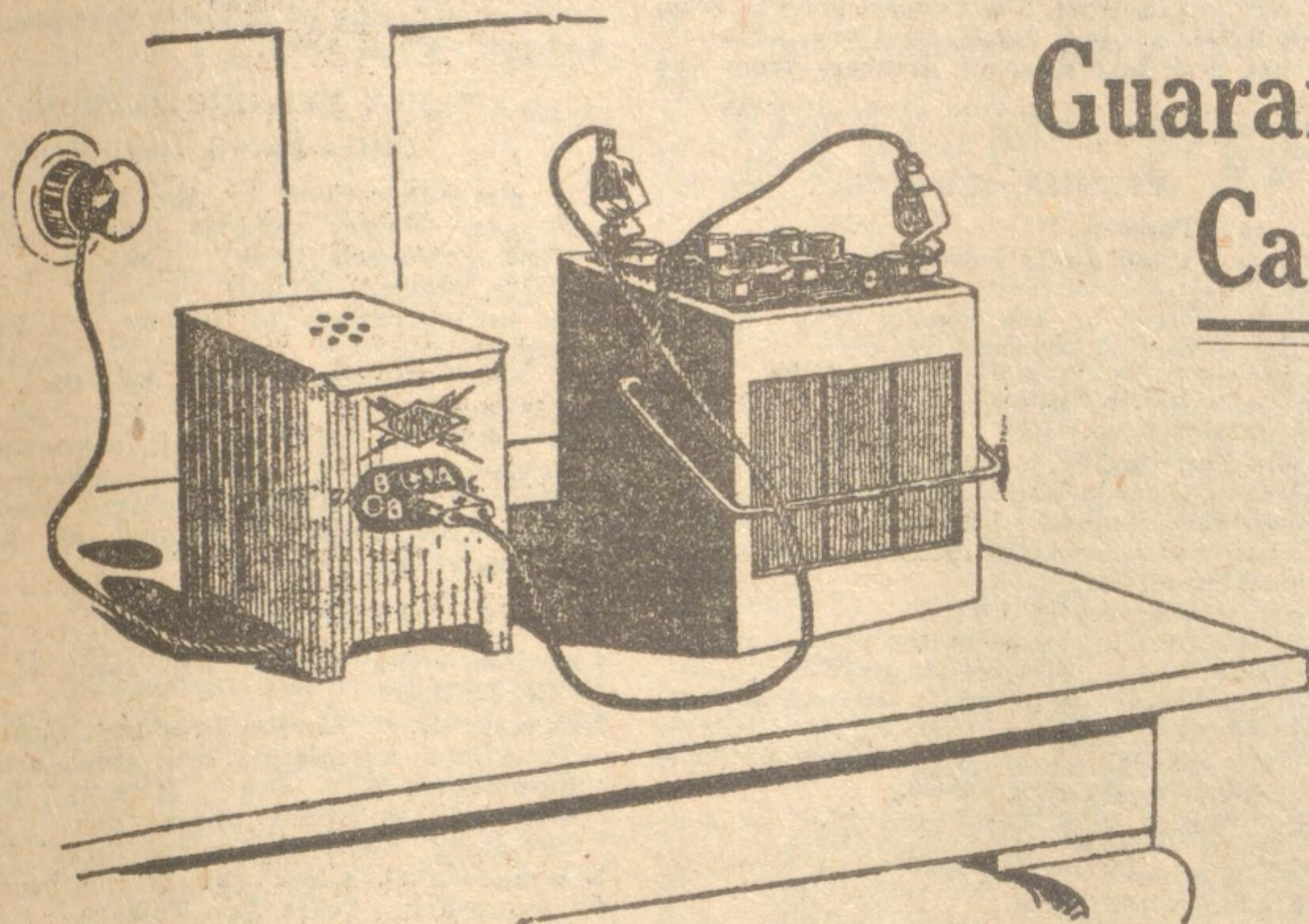
Station announcements.

1.2 p.m.—Studio Quintette, conducted by Mr.

Val Smith, will play selections from their

repertoire.

2 p.m.—Close down.



Guaranteed 10 Years! Can't Be Beat!

97% Bad Reception is due to
BATTERY TROUBLES.

90% of Battery Troubles is
due to **FAULTY CHARG-**
ING or Neglect.

*There is Absolutely no
need for EITHER of
these worries.*

MODEL AB.
£6/10/-

TERMS—13/- deposit,
19 weekly payments of
6/6 for charging A &
B Batteries.

THE very latest in Battery Chargers. It
charges while you sleep. Nothing to get
out of order. The only Charger that is guar-
anteed. Will charge a 6-volt accumulator at
two and a quarter amps. 80-volt B Battery
one-eighth of an amp. **LET US TELL YOU
ALL ABOUT IT.**

MODEL A.
£5/10/-

TERMS—11/- deposit,
19 weekly payments of
5/6 for charging A
Batteries only.

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.

*Expert advice free on all latest Receivers such as ALL EMPIRE, 1928
SOLODYNE, Etc., Etc.*

BRING YOUR TROUBLES TO US!

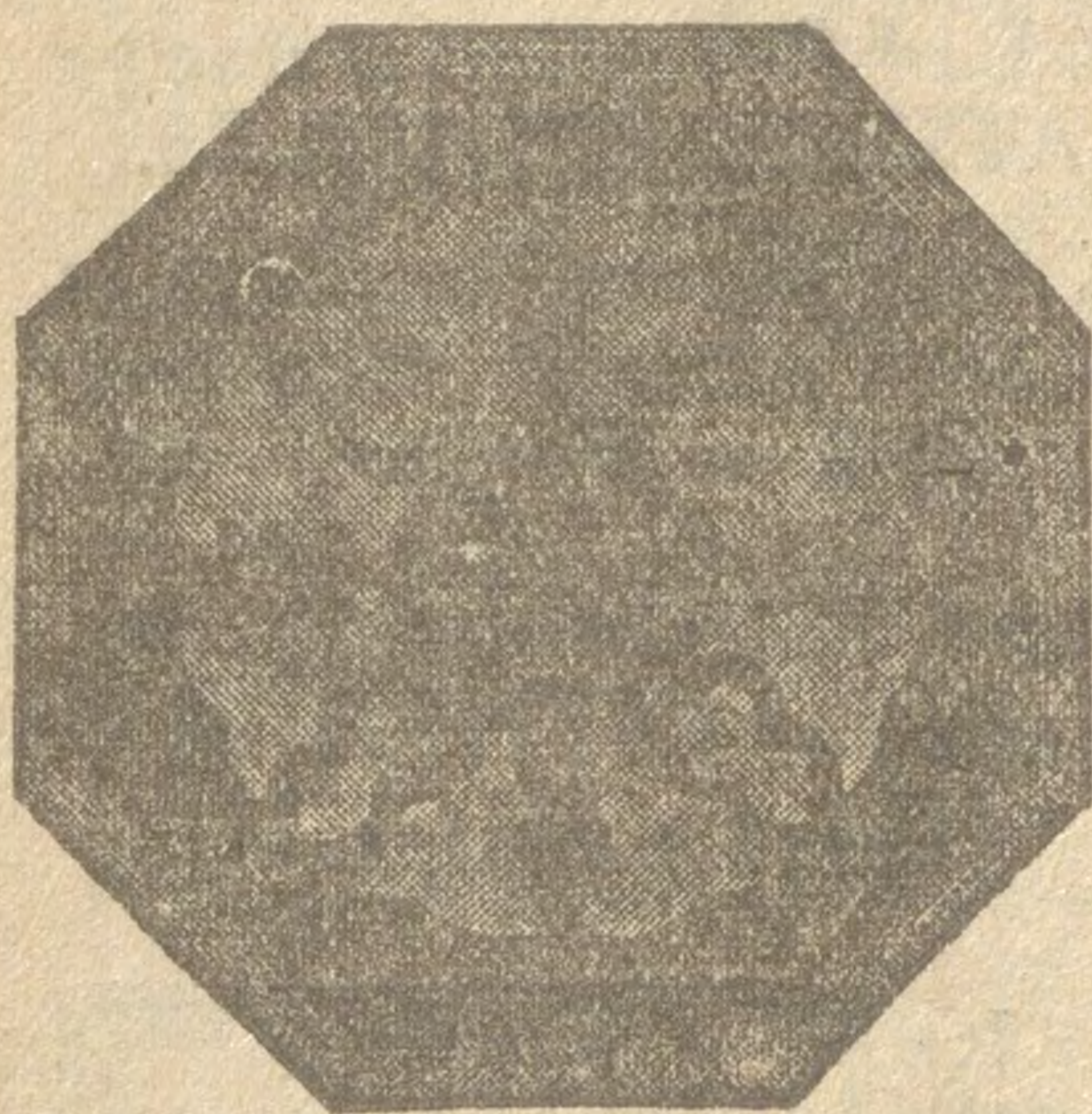
TERMS.—Goods of any description may be purchased from us on easy
terms. **NO FUSS** or **BOTHER.** Everything strictly confidential.
Come and see us about it.

Metropolitan	-	deposit 2/- in the pound
Country	-	deposit 5/- in the pound

Colville Moore Wireless Supplies Ltd.

Phone B 2261 10 ROWE STREET (next Hotel Australia) SYDNEY Phone B 2261

The All British M.P.A. Plaque Speaker



A new cone type speaker of remarkable design which embodies an entirely new patented method of supporting the cone. This is literally SPRUNG on four wooden fingers of the front baffle.

This is the reason why the M.P.A. Speaker can handle such a large volume of sound without distortion or the slightest trace of rattle.

You can stand it on
the table or hang
it on the wall.



AT ALL
DEALERS

£2/10/-

Sole Australian Concessionaire:
CHAS. D. MACLURCAN.

N.S.W. Distributors:

Manufacturers' Products Pty., Ltd., 137
Clarence St.

A. H. Carter, 20 Clarence Street.

Fox and Macgillcuddy, D.T. Buildings,
King Street.

Agents:

Vic., S.A. and W.A.: Manufacturers'
Products, Pty., Ltd., Sugden Place,
Melbourne.

Queensland: T. H. Martin, B. and F.
Chambers, Adelaide St., Brisbane.

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.
 - 6.48 p.m.—Uncle Duffy's evening with the Kids.
 - 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.
Dance music by Ron Moyle's Dance orchestra, relayed from the Y.A.L. Ballroom.
 - 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, 31st OCT. 1928.

MIDDAY SESSION.

- 11.30 a.m.—Selections by the Melody Master.
- 11.34 p.m.—Special Tasmanian Midlands Weather forecast.
- 11.35 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.—Selections by the Melody Master.
- 12.11 p.m.—British Official Wireless news.
- 12.20 p.m.—Selections by the Melody Master.
- 12.29 p.m.—Announcements.
- 12.33 p.m.—Selections by the Melody Master.
- 12.55 p.m.—"Mercury" news service.
Produce sales at Railway.
- 1.10 p.m.—Selections by the Melody Master.
- 1.30 p.m.—Transmission from the Imperial Hotel, Collins Street, Hobart.
Speeches at the Rotary Club Luncheon.
- 2 p.m.—Close down.
- 2.15 p.m.—Running description of Hurdle race, two miles, run at Kyneton, Victoria.
- 2.20 p.m.—Close down.
- 2.45 p.m.—Running description of Novice Handicap, 5 furlongs, run at Kyneton, Victoria.
- 2.50 p.m.—Transmission from T.C.A. Ground.
Description of Intercollegiate Athletic Championships.

AFTERNOON SESSION.

- 3 p.m.—G.P.O. Clock chimes the hour.
- 3.1 p.m.—Transmission from T.C.A. Ground.
Description of Intercollegiate Athletic Championships.
- 3.15 p.m.—Running description of Kyneton Handicap, 1 mile, run at Kyneton, Victoria.
- 3.20 p.m.—Transmission from T.C.A. Ground.
Description of Intercollegiate Athletic Championships.
- 3.30 p.m.—Selections by the Melody Master.
- 3.45 p.m.—Running description of Handicap Trot, 1 mile, run at Kyneton, Victoria.
- 3.50 p.m.—Transmission from T.C.A. Ground.
Description of Intercollegiate Athletic Championships.
- 4 p.m.—Selections by the Melody Master.
- 4.15 p.m.—Running description of Kyneton Plate, 5 furlongs, run at Kyneton, Victoria.
- 4.20 p.m.—Transmission from T.C.A. Ground.
Description of Intercollegiate Athletic Championships.

- 4.30 p.m.—Selection by the Melody Master.
- 4.45 p.m.—Running description of Kyneton Purse, 6 furlongs, run at Kyneton, Victoria.
- 4.50 p.m.—Results of Athletic Championship.
- 4.55 p.m.—Close down.

EARLY EVENING SESSION.

CHILDREN'S HOUR.

- 6.15 p.m.—Selections by the Melody Master.
- 6.30 p.m.—Master Douglas Robertson:
"The Prisoner's Song" (Crawford).
"Rose Marie" (Friml).
- 6.40 p.m.—Answers to Letters and Birthday Greetings.
- 6.45 p.m.—Request items by the Melody Master.
- 7.15 p.m.—"Mercury" special Tasmanian news service. Railway auctions produce sales. Weather information. Hobart Stock Exchange quotations. Results of Athletic Championships.

EVENING SESSION.

- 7.30 p.m.—Geo. Nation will speak on: "Gardening."
- 7.45 p.m.—H. C. Lovett, President, Commercial Travellers' Association, will speak under the auspices of 7ZL and "Mercury" Hospital Wireless Equipment appeal on: "Pleasant Moments for the Sick."
- 8 p.m.—G.P.O. Clock chimes the hour.
- 8.1 p.m.—Fifty Years Ago To-day.
"All our past proclaims our future."—Swinburne.
- 8.6 p.m.—Transmission from Findlay's Music House, Elizabeth Street, Hobart: Recital of Instrumental and Vocal Items by the Leading International Artists.
From the Studio:

NEWS SESSION.

- 9.45 p.m.—British Official Wireless News, "Mercury" News Service. Ships within wireless range. Tasmanian District Weather Report. Results of prizes awarded at Latrobe Show. Results of Intercollegiate Championship.
- 10 p.m.—G.P.O. Clock chimes the hour.
God Save the King.
Close down.

Thursday, November 1
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.—"Sydney Morning Herald" news service.
- 10.10 a.m.—Country Women's Session: A Talk by Miss Doreen Walsh.
- 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.
- 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.
 12.10 p.m.—Summary of News: "Sydney Morning Herald."
 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.—Studio Music.
 1.50 p.m.—Last minute sporting information by the 2FC Racing Commissioner.
 2 p.m.—"Big Ben." Close down.

AFTERNOON SESSION.

- 2.50 p.m.—Programme announcements.
 2.52 p.m.—Educational Session for the Schools: Subject—A Talk on Animals, interspersed with suitable music.
 3 p.m.—"Big Ben." Pianoforte reproduction. Note.—During the afternoon progress scores of the cricket match, New South Wales versus Queensland, played at Brisbane, will be transmitted as received.
 3.15 p.m.—Studio Music.
 3.33 p.m.—Raymond Lambert, Belgian pianist: "Moonlight Sonata" (Chopin).
 3.45 p.m.—A Talk.
 4 p.m.—"Big Ben."
 Marjorie Mayne, mezzo.
 4.8 p.m.—The Ambassadors' Dance Orchestra, conducted by Manuel Hyman.
 4.18 p.m.—Minnie Turner, soprano:
 (a) "You in Gondola" (Lindsay).
 (b) "Vale" (D'Arcy).
 4.25 p.m.—Raymond Lambert, Belgian pianist:
 (a) "Etude in C Minor," No. 12 (Chopin).
 (b) "Coccatà" (Debussy).
 (c) "Dancing Doll" (Poldini).
 4.37 p.m.—Marjorie Mayne, mezzo.
 4.45 p.m.—Stock Exchange, third call.
 4.47 p.m.—The Ambassadors' Dance Orchestra.
 5 p.m.—Close down.

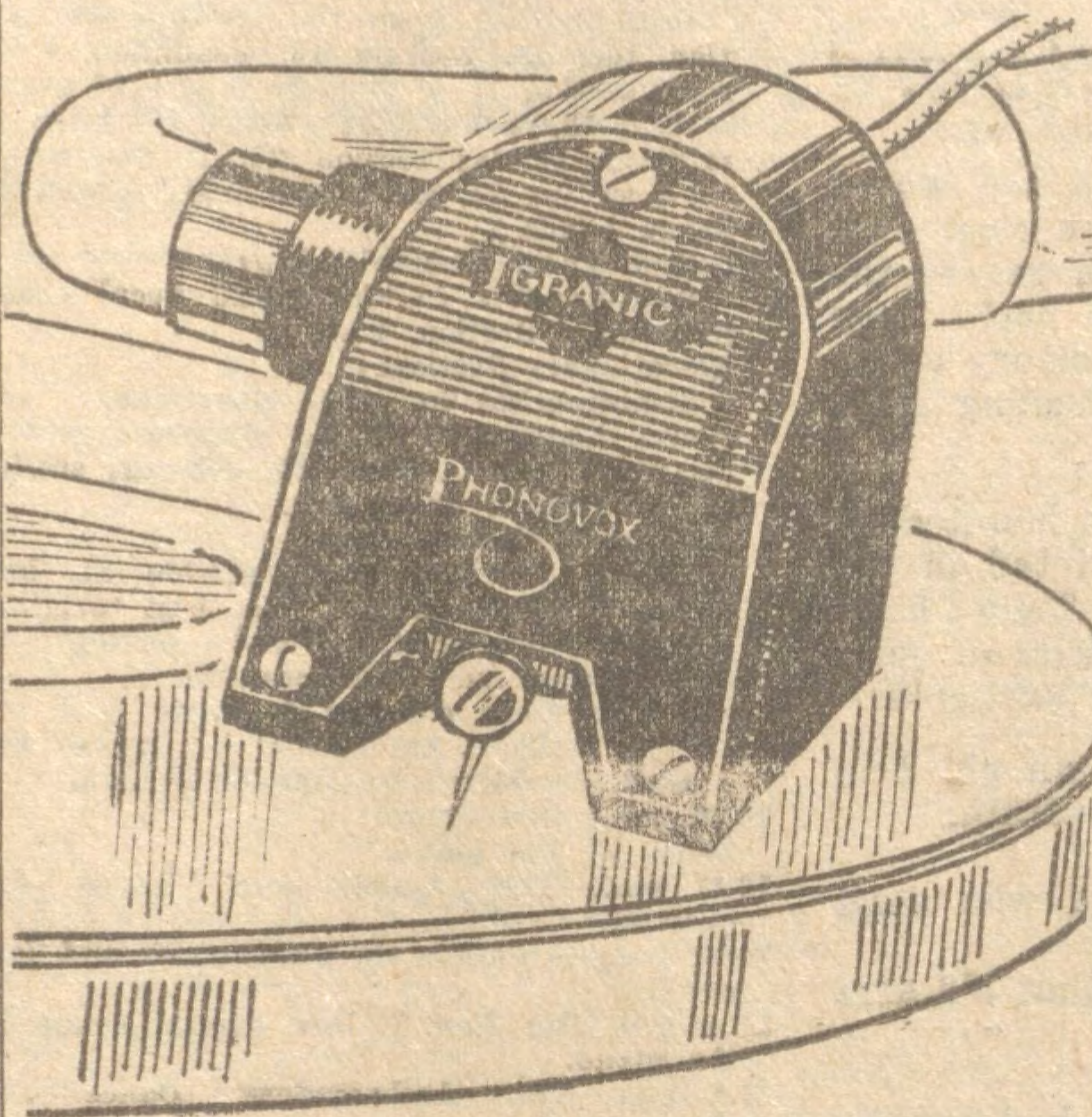
EARLY EVENING SESSION.

- 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.—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 information.
 7 p.m.—Late news service.
 7.10 p.m.—The 2FC Dinner Quartet, conducted by Horace Keats:
 (a) "Magyar March" (Michiels).
 (b) "Love Everlasting" (Friml).
 (c) "Lohengrin" (Wagner).
 (d) "Gipsy Love Song" (Herbert).
 (e) "Little Lady of the Moon" (Coates).
 (f) "That's My Mammy" (Baer).

NIGHT SESSION.

- 7.40 p.m.—Programme announcements.
 7.47 p.m.—Pianoforte reproduction.
 7.53 p.m.—Wilfrid Thomas, basso.
 7.59 p.m.—Foreword to the next item.
 8 p.m.—"Big Ben."
 From the Capitol Theatre, Sydney: Ted Henkel's Stage Band and Fred Scholl at the organ.
 8.20 p.m.—From the Studio:
 The Mellow Fellows.
 8.30 p.m.—Carlton Fay, pianoforte solos.
 8.40 p.m.—Bryson Taylor, tenor.
 8.46 p.m.—J. G. Lockley will continue his series of talks: "I Remember."
 9 p.m.—"Big Ben." Late weather forecast.
 The Mellow Fellows.
 9.10 p.m.—From the Capitol Theatre:
 Stage presentation.

ELECTRIFY YOUR PHONOGRAPH!



An Electric Pick-up, fitted to your tone-arm, in place of the old sound-box, and worked in conjunction with your Radio set, improves phonograph reproduction to such a degree that it must be heard to be realised, and gives you any desired volume through radio amplification. The Electric Pick-up does not necessitate any alteration to your set, and yet it enables you to switch from Radio to Phonograph at will, with amazing results. Hear a demonstration.

The Igranic Pacent Phonovox

This Electric Pick-up is no larger than an ordinary sound-box, and is provided with a flexible lead for attachment to your radio set or amplifier. An adaptor for plugging into the detector valve socket, and a volume control, which will regulate from a mere whisper to full ball-room strength, can be supplied.

Price, with Volume Control and Plug Adapter £4

The Brown Electrical Pick-up

The original "Brown" Phonograph Pick-up—a product of the famous house of Brown, of loud-speaker fame. The Brown Pick-up will find all those delicate "overtones" in your records which are lost in ordinary reproduction, and, without altering the tempo, the volume, can be lessened or increased from an echo to concert-hall pitch. As easy to attach to your phonograph tone-arm as an ordinary sound-box.

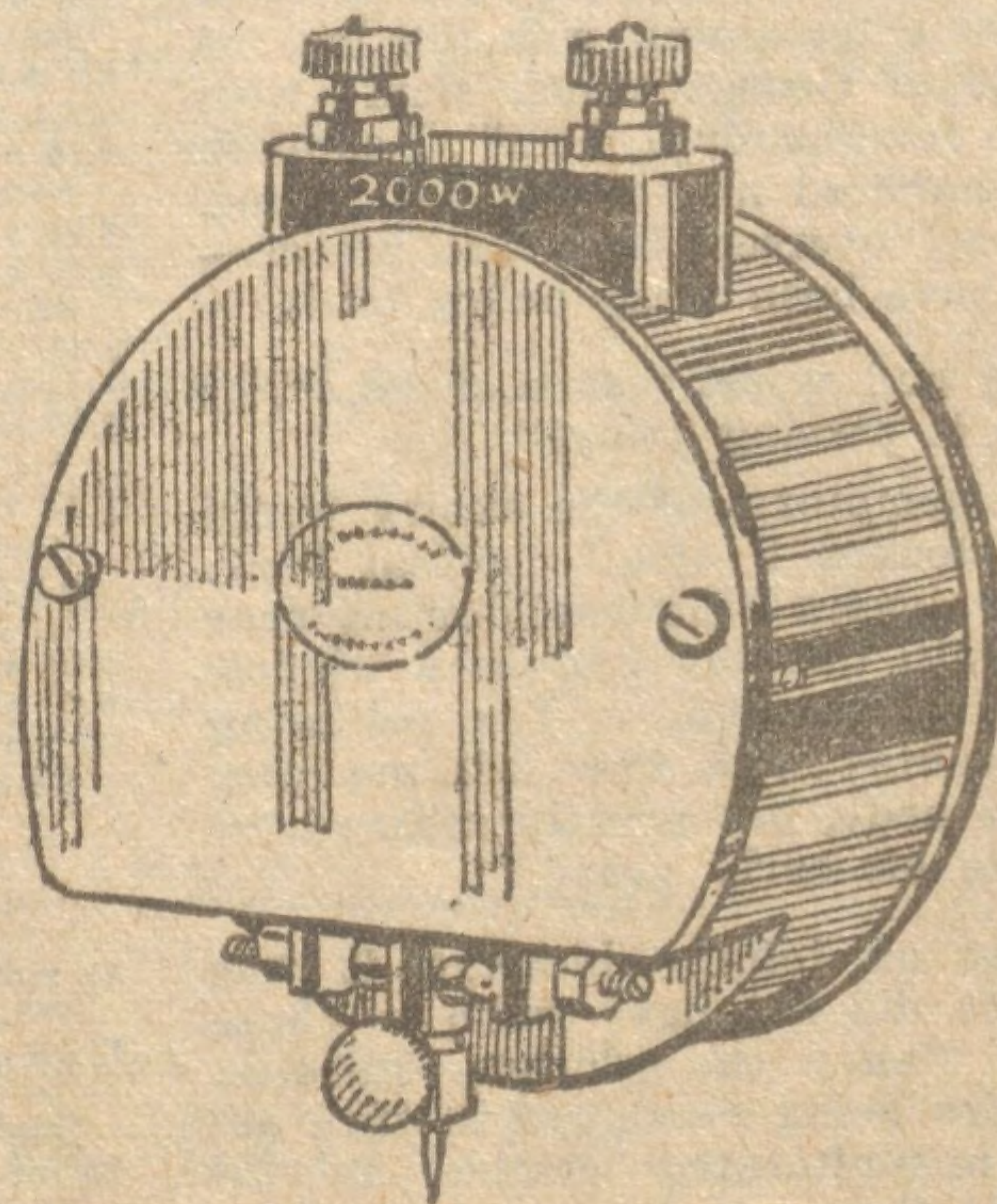
To-day, no phonograph is modern unless equipped with an Electric Pick-up.

Price of Brown Electric Pick-up, £4/15/-

Call in for demonstration, or write for further particulars to

**NOYES BROS.
(Sydney) Ltd.**

Obtainable from all Radio Dealers.



115 CLARENCE STREET, SYDNEY.
 WATT STREET, NEWCASTLE,
 PERRY HOUSE, BRISBANE.

B.W.W.



Looking Backward

When I sit by the sad sea waves and let the sands of time blow over me, do I remember with regret the dear school days? I do not! They leave the same happy memory as an attack of ptomaine poisoning from eating bad sardines.

All my life I have been haunted by the clammy atrocities printed in the old-time school books. They have clung to me as the tendrils of jelly fish. There were four in particular.

The first was about an old arm chair and it had a tipsy refrain:

"I love it, I love it, and who shall dare,
"To chide me for loving that old arm chair!"

If anyone in my class had caught the writer the latter would have yelled for a hospital stretcher instead of an arm chair.

Number 2 described the expiring gasps of some girl who was to be Queen of the May before she pegged out. "Call me early, mother dear," was her chief stock in trade. Why she didn't buy an alarm clock, nobody could ever understand.

More entertaining was the loss of the Royal George which sank with "twice four hundred men." I suppose eight hundred men would not rhyme. She was "overset" by a land breeze—must have been a top-heavy tub!

Last and worst was a dirge, "Thy father is passing away!"

The symptoms of the expiry would have stocked a small medical book. For two years I mourned for my poor Dad, until one day I broke a window with my shanghai. The following ten minutes with him left me very sore in body, but greatly relieved regarding his early grave.

What an infinite blessing it was that we did not have radio in those days. Fancy the glorious Burgess Batteries being employed to turn out such unadulterated dribble as the stuff in those old books. Instead of an affectionate regard for New System Telephones Pty., Ltd., I should hate to think of 280 Castle-reagh-street, Sydney, as the sob centre of "The Old Arm Chair," or "Thy Father is Pegging Out."

9.30 p.m.—From the Studio:

Dadio 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 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 grand vocal championship. Section 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.

10.30 p.m.—Late weather forecast.

10.31 p.m.—The Ambassadors' Dance Orchestra, conducted by Manuel Hyman.

10.40 p.m.—Don James:

Songs at the piano.

10.47 p.m.—The Ambassadors' Dance Orchestra.

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

11 p.m.—"Big Ben." Don James, songs at the piano.

11.8 p.m.—The Ambassadors' Dance Orchestra.

11.30 p.m.—National Anthem.

Close down.

2BL, SERVICE.

THURSDAY, 1st 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.

11.30 a.m.—Miss Pam—Recipes and other items of interest.

Studio music.

12 noon.—G.P.O. Clock and chimes.

Special Ocean Forecast and weather report.

12.3 p.m.—Studio music.

12.40 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 Hospitals.

2 p.m.—G.P.O. Clock and chimes.

Close down.

AFTERNOON SESSION.

Note: Scores from the Match, England v. Queensland at Brisbane 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.—Miss Phyllis Atkinson, mezzo-soprano:

(a) "Coming to you" (Meale).

(b) "The Silent Forest" (Torrens).

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

4.10 p.m.—Miss May NanCarrow, elocutionist: "The Obstructive Hat" (Anstey).

4.17 p.m.—Miss Edna Burke, pianist:

"Ungarish" (David).

"Scherzo" (Bowen).

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

4.30 p.m.—Miss Essie Neal, violinist:

(a) "Souvenir" (Drdla).

(b) "Topsy" Dance Negre (Papini).

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

4.45 p.m.—Miss Phyllis Atkinson:

(a) "Palm Leaves Rustle" (Garadini).

(b) "Wherever thou may'st go" (Garadini).

(c) "The Star" (Lummis).

4.52 p.m.—Miss May NanCarrow:

(a) "On the art of making up one's mind" (Jerome).

4.59 p.m.—Miss Edna Burke:

(a) "Berceuse" (Chopin).

(b) "Impromptu in A Flat" (Chopin).

5.6 p.m.—Radio Eisteddfod: Semi-finalists in the Radio Eisteddfod will be heard, drawn from the various sections including vocal, instrumental and humorous items.

5.36 p.m.—"Sun" news service.

5.41 p.m.—Features of evening's programme.

5.42 p.m.—Racing resume.

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) Dance, "Decameron Nights" (Finck).

(b) "Flower of the Desert" (Lohr).

(c) "Chopiniana" (Arr. Finck).

(d) "Serenade a l'Enfant" (Flament).

(e) "I'm tired of making believe" (Piantadosi).

(f) "Evening Star" (Turk).

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.")

Weekly Traffic Bulletin.

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.—A musical cocktail by the Four Bright Spirits:

Dorothy Dewar.

Mavis Walker.

Jack Buchanan.

Stan Crawford.

Part 1.

8.23 p.m.—Miss Kathleen Roe, pianist:

(a) "The Slave Girl" (Bax).

(b) "Londonderry Air" (Percy Grainger).

8.30 p.m.—Mr. Clifford Lathlean, bass:

(a) "Ein Sonnett" (Brahms).

(b) "Ständchen" (Brahms).

(c) "Die Sandmännchen" (Brahms).

(d) "Von Ewig Liebe" (Brahms).

(e) "Tamburliedchen" (Brahms).

8.45 p.m.—The Four Bright Spirits:

Part 2.

9.10 p.m.—The New South Wales Broadcasting Company's Orchestra under the direction of Mr. Willie Redstone.

9.25 p.m.—"The Brunettes," vocal trio:

(a) "Blue Danube" (Strauss).

(b) "Slumber Sea" (Risher).

(c) "Rain" (Curran).

- 9.35 p.m.—Miss Kathleen Roe:
 (a) "Shepherds Hey" (Percy Grainger).
 (b) "Scherzo" (Chopin).
 9.42 p.m.—Miss Mary Neal, mezzo contralto:
 (a) "The Hills of Asolo" (Lohr).
 (b) "The Piper" (McNaught).
 (c) "The Poplars" (de Clerck).
 9.49 p.m.—The New South Wales Broadcasting Company's Orchestra.
 10.4 p.m.—"The Brunettes":
 (a) "Chanson Indoue" (Rimsky-Korsakov).
 (b) "Dawn" (Curran).
 (c) "My Little Banjo" (Dichmont).
 10.14 p.m.—The New South Wales Broadcasting Company's Orchestra.
 10.28 p.m.—Resume of following day's programme.
 10.30 p.m.—National Anthem.

3LO, MELBOURNE

THURSDAY, 1st 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.—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.

CHICKEN CROQUETTE.

Some cold chicken.
 2oz. lean ham or bacon.
 6 small mushrooms.
 1 oz. butter.
 ½ oz. flour.
 1 gill stock.
 2 tablespoons cream.
 1 teaspoonful lemon-juice.
 Salt and pepper.
 Egg and breadcrumbs.

Wash and peel the mushrooms, mince them finely with the chicken and ham. Put butter in saucepan, add flour, and mix smoothly. Add stock, and stir until it boils and thickens. Take off fire, and add the cream, season with salt and pepper, and add the minced chicken ham, mushrooms, and 1 teaspoon lemon-juice. Stir until all are mixed well together, then turn on to a plate, cover with butter paper, and allow to cool. Cut into eight, and form each piece into a ball or roll. Egg and breadcrumb each ball, and firm crumbs on, shaping nicely. Place in a frying basket, and wet fry 2 or 3 minutes. Drain on kitchen paper, and dish on hot dish with paper d'oyley, and garnish with fried parsley.

- 11.5 a.m.—"DOMINA" will speak on:
 "Journalism as a Career for Women."
 11.20 a.m.—Musical Interlude.
 11.25 a.m.—MATRON MORELAND:
 "Infant Welfare."
 11.40 a.m.—Musical Interlude.
 11.45 a.m.—MRS. HENRIETTA C. WALKER,
 The Art of Being a Settler:
 "More Makeshift Furniture—Chairs, Fuel Boxes, Movie Trays, and Soiled Linen Boxes."

MIDDAY SESSION.

MIDDAY NEWS SESSION.

- 12.0 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 A.P.A. Cables; "Argus" News Service.
 12.15 p.m.—Newmarket Stock Sales; Special Report by John McNamara and Co.

"660" Valves on the Southern Cross

Atlantic Union Oil Co.
 66 Pitt St.,
 Sydney. 17/10/28

Messrs. S. Segal & Co. Ltd.
 127 York St.,
 Sydney

Gentlemen,

During our recent Tasman flights I had the opportunity of testing a number of receiving Valves and I now take much pleasure in informing you that your Six-sixty Valves functioned excellently on all occasions and were used by me for receiving purposes.

Yours faithfully,

(Signed) T. H. McWILLIAMS,

Wireless Operator, Southern Cross.

SOLE AUSTRALASIAN AGENTS:

S. SEGAL & CO. LTD.

Leitch House, 127 YORK STREET, SYDNEY.

Distributors for Victoria and Tasmania:

MORRIS & CO., RADIO, 298 Little Collins Street, MELBOURNE, VIC.
 F 5291.

Distributors for South Australia:

J. N. TAYLOR & CO., LTD., 121 Grenfell Street, ADELAIDE, S.A.

Distributor for Western Australia:

W. H. J. HARDIE, 17 Newman St., FREMANTLE, and 34 King St., PERTH, W.A.

"WETLESS"

GUARANTEED RADIO PRODUCTS



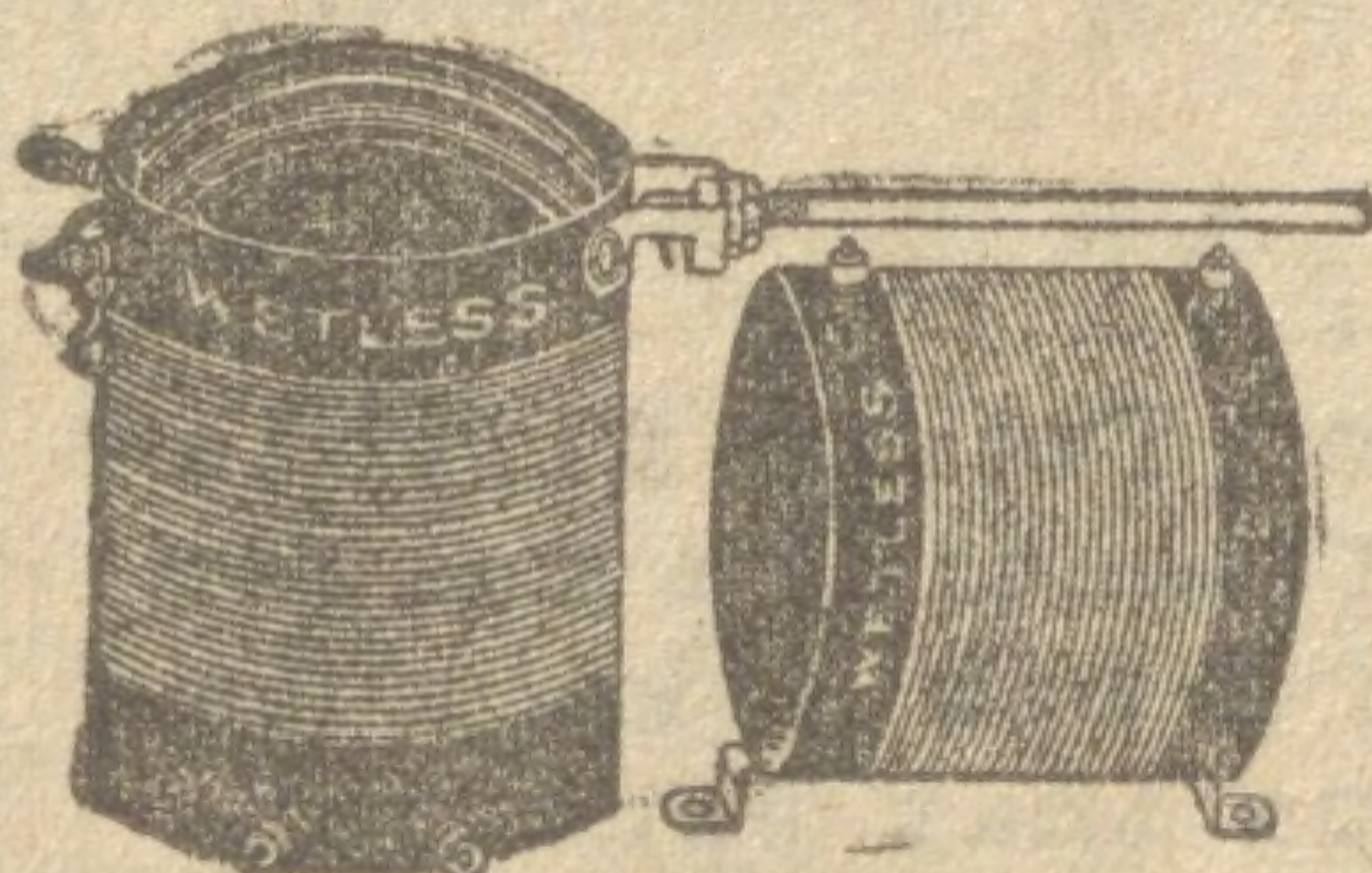
REINARTZ TUNER

Price 10/6 each



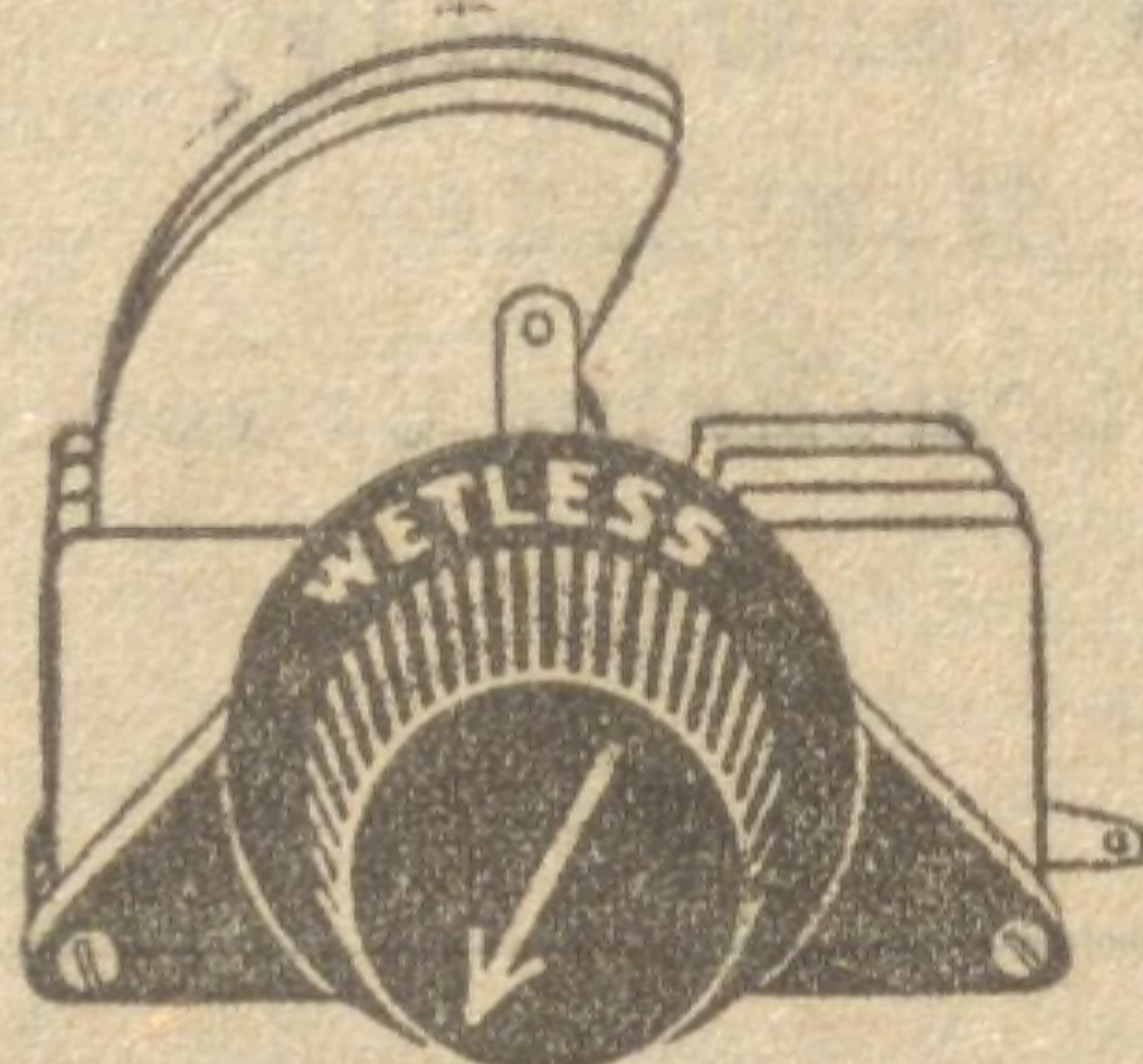
SINGLE ROTOR TUNER

Price 13/- each



BROWNING & DRAKE

Price complete with
Neutralising Condenser,
35/- per Kit



MIDGET CONDENSER

3-plate, 4/3 ea.	13-plate, 6/3 ea.
5-plate, 4/9 ea.	15-plate 7/6 ea.
7-plate, 5/3 ea.	17-plate, 8/- ea.
9-plate, 5/6 ea.	19-plate, 8/6 ea.
11-plate, 5/9 ea.	

Obtainable from:
ALL RADIO DEALERS

COMMUNITY SINGING.

12.20 p.m.—COMMUNITY SINGING—OLD-TIME CHORUSES—transmitted from the Assembly Hall, Collins Street, Melbourne. Conductor, Frank Hatherley.
ELLA RIDDELL, Contralto:
"MacGregor's Gathering" (Lee).
"The Road to the Isles" (Fraser).
J. ALEXANDER BROWNE, baritone:
"Gingham Gown" (Penn).
"Cloze Props" (Charles).

FROM THE STUDIO.

1.45 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 STATION ORCHESTRA:
"Symphony D Major" (Haydn).
2.25 p.m.—DAWN HARDING, Mezzo-Soprano:
"Tune the Strings O Gipsy" (Dvorak).
"O'er the Little Lily" (Korby).
2.32 p.m.—THE IMPERIAL RUSSIAN TRIO
(Arved Norit, violin; John Berzinsky, cello; and William Ibster, piano).
JOHN BERZINSKY, Cello:
"Allegretto" (Boccherini).

THE TRIO:

"Thema con Variazinni" (Tartini-Kreisler).
Trio D Major Presto" (Beethoven).
2.47 p.m.—DAWN HARDING, Mezzo-Soprano:
"O What Comes over the Sea" (Coleridge-Taylor).
"The Birthday" (Coleridge-Taylor).
2.54 p.m.—THE STATION ORCHESTRA:
"Symphony No. 5 1st Movement" (Beethoven).

EDUCATION HOUR.

3.0 p.m.—DR. LOFTUS HILLS:
"Topics of the Week."
3.15 p.m.—FRITZ HART will speak to Students of Music.
3.30 p.m.—J. HOWLETT ROSS:
"Sir George Grey—Empire Builder."
MUSICAL PROGRAMME CONTINUED.
3.45 p.m.—THE STATION ORCHESTRA:
"Valse Suite" (Brahms).
"Twilight" (Cesak).
3.55 p.m.—CHARLES ULIVI, Baritone:
Selected.
4.2 p.m.—AGNES FORTUNE, Piano:
"Arabesque" (Debussy).
4.9 p.m.—THE STATION ORCHESTRA:
Fantasia, "Midsummer Night's Dream" (Mendelssohn).
4.19 p.m.—CHAS. ULIVI, Baritone:
Selections from his Repertoire.
4.26 p.m.—THE STATION ORCHESTRA:
Selection, "Thais" (Massenet).

NEWS SESSION.

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

EVENSONG.

4.45 p.m.—EVENSONG, transmitted from St. Paul's Cathedral, Melbourne.

FROM THE STUDIO.

5.30 p.m.—Acceptances for Races at Flemington on Saturday.
5.55 p.m.—Close Down.

EVENING SESSION.

6.0 p.m.—Answers to Letters and Birthday Greetings by "BOBBY BLUEGUM."
6.25 p.m.—Musical Interlude.
6.30 p.m.—"BOBBY BLUEGUM" and His Happy Passengers are Once More a'Traveling.
6.45 p.m.—"BOBBY BLUEGUM" has some More Little Songs for Little Singers.

NIGHT SESSION.

STOCK EXCHANGE.

7.5 p.m.—Stock Exchange Information.
MARKET REPORTS.

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 Company, 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 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 1, 1869, the Sydney Public Library was established, and in 1878 the International Bridge of the Grand Trunk Railway between Canada and the United States was completed. The first through train from Launceston to Hobart was run in 1876 and in 1881 the first complete train passed through the St. Gothard Tunnel. The Naval Battle of CORONEL, in which the Germans scored a success, was fought on November 1, 1914.

7.46 p.m.—LANCE FAIRFAX, now appearing in "The Desert Song," at His Majesty's Theatre, will speak to you from his dressing room by permission of J. C. Williamson, Ltd.

A MAKER OF HISTORY.

8.0 p.m.—To-day we think of the distinguished statesman, SIR MATTHEW HALE.
8.1 p.m.—ROD MCGREGOR will speak on: "Cricket."

8.15 p.m.—THE RADI-O-ACES:
"On the Air" (Goldman).
"Harvest Moon" (Bayes).

"That's My Mammy" (Donaldson).
8.24 p.m.—CHARLES ULIVI, Baritone:
Selected.

8.27 p.m.—THE RADI-O-ACES:
"In a Honeymoon Cottage" (Lumsdaine).
"Do You" (Piantadse).
"Dear on a Night Like This" (Conrad).

8.36 p.m.—SYD EXTON, Tenor:
"Passing By" (Purcell).

8.39 p.m.—THE RADI-O-ACES:
"Why Can't You Care" (Gilbert).
"How Long Has This Been Going On" (Welding).

"It Don't Do Nothin' but Rain" (Cook).
8.48 p.m.—STEWART AND LORRAINE:
"Humorous Instrumentalists."

8.51 p.m.—THE RADI-O-ACES:
"You're a Real Sweetheart" (Friend).
"Dusky Stevedore" (Razalf).
"Lovable" (Holmes).

9.0 p.m.—MONA NUGENT, Soprano:
"Butterfly Wings" (Philips).

9.3 p.m.—THE RADI-O-ACES:
"Mary Ann" (Davis).
"Someone is Losin' Susan" (Myer).
"Afraid" (Barnie).

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

9.15 p.m.—THE RADI-O-ACES:
"Evening Star" (Turk).
"Hallelujah" (Youmans).
"Just Like a Melody Out of the Sky" (Donaldson).

9.24 p.m.—STEWART and LORRAINE:
"Humorous Instrumentalists."

9.27 p.m.—THE RADI-O-ACES:
"Chiquita" (Wayne).

"Judy"—Piano solo (Mayerl).
"There Ought to Be a Law Against That" (Friend).

9.36 p.m.—MONA NUGENT, Soprano:
"Feast of Lattens" (Bantock).

9.39 p.m.—THE RADI-O-ACES:
"Sunshine" (Berlin).

"Rain" (Ruby).
"Mine, All Mine" (Ruby).

9.48 p.m.—STEWART and LORRAINE:
"Humorous Instrumentalists."

9.51 p.m.—THE RADI-O-ACES:
"Lonesome in the Moonlight" (Russell).

"The Man I Love" (Gershwin).
"Was It a Dream" (Boutt).

10.0 p.m.—SYD EXTON, Tenor:
"Mother My Dear" (Treharne).

NEWS SESSION.

10.3 p.m.—"Argus" News Service; British Official Wireless News from Rugby; Meteorological Information; Sporting Notes by "Olympus"; Announcements.

10.15 p.m.—THE RADI-O-ACES:
"Gotta a Big Date with a Little Girl" (Tobias).
"Pardon the Glove" (Quicksell).
"Henry's Made a Lady out of Lizzie" (O'Keefe).

10.24 p.m.—CHARLES ULIVI, Baritone:
Selected.
10.27 p.m.—THE RADIO-ACES:
"Beautiful" (Gillespie).
"Borneo" (Donaldson).
"Linger Longa Lane" (Laurence).
10.36 p.m.—MONA NUGENT, Soprano:
"Se Saran Rose" (Arditi).
10.39 p.m.—THE RADIO-ACES:
"Is it Gonna be Long?" (Whiting).
"Ice Cream" (Johnson).
"My Melancholy Baby" (Norton).
10.48 p.m.—SYD. EXTON, Tenor:
"Ninetta" (Brewer).
10.51 p.m.—THE RADIO-ACES:
"Lolita" (Stonham).
"That's My Weakness Now?" (Stept).
"Get Out and Get Under the Moon" (Tobias).
11.1 p.m.—THE RADIO-ACES.
11.40 p.m.—GOD SAVE THE KING.

3AR, MELBOURNE

THURSDAY, 1st 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.

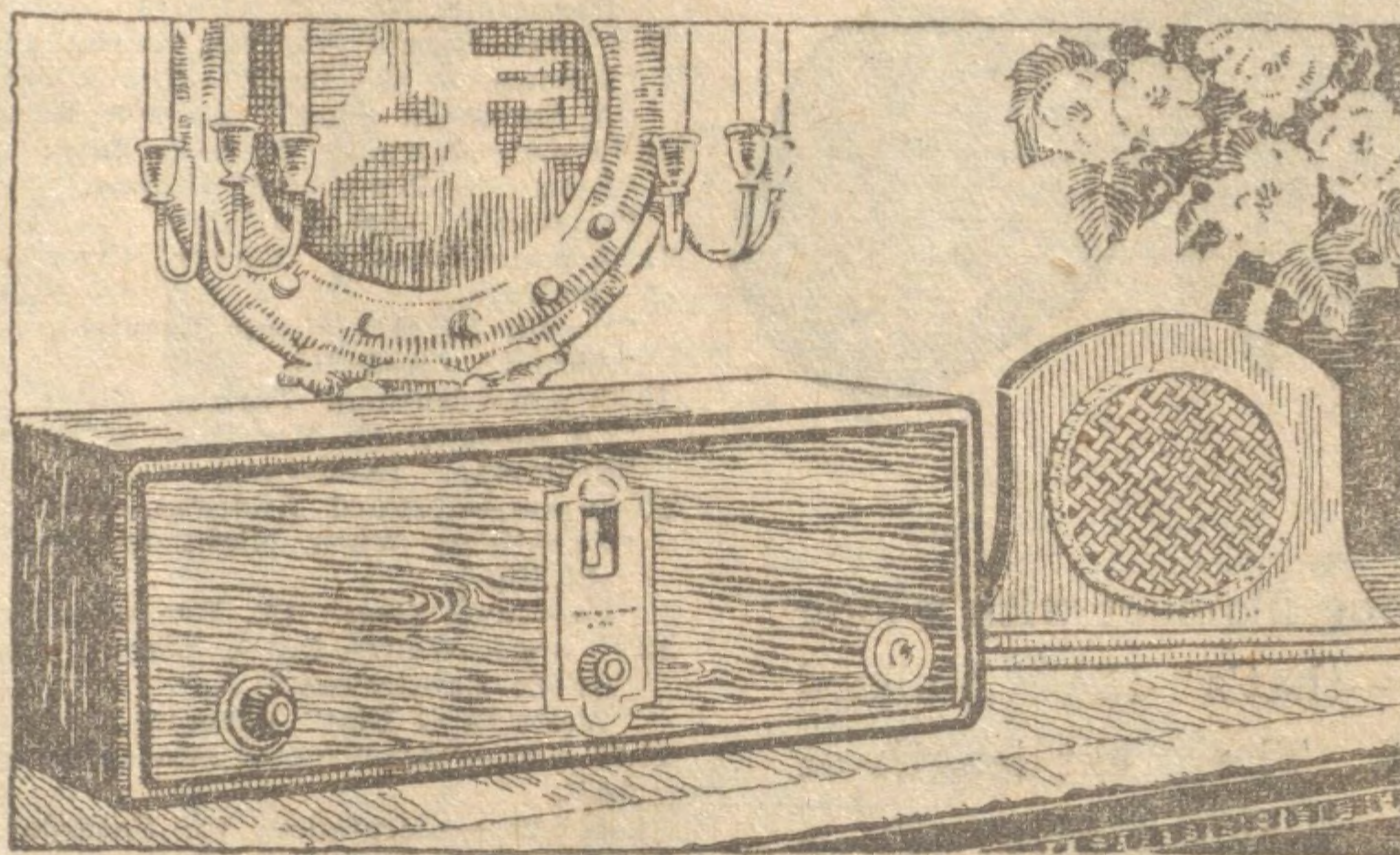
MORNING MUSICAL SESSION.

11 a.m.—Radi-o-Aces:
"The Whisper Song" (Friend).
"Keep Sweeping the Cobwebs" (Trent).
"Shanghai Dream Man" (Davis).
11.10 a.m.—Millie McCormack, soprano:
"Lochleven" (Russell).
"When Love is Kind" (Moore).
11.17 a.m.—Radi-o-Aces:
"Just a Memory" (Henderson).
"Lonesome in the Moonlight" (Baer).
"Hallelujah" (Youmans).
11.32 a.m.—Bernard Thomas, tenor:
"Rose of My Heart" (Lohr).
"Love is Waiting" (Squire).
11.39 a.m.—Radi-o-Aces:
"Sometimes I'm Happy" (Youmans).
"Varsity Drag" (Henderson).
"Chloe" (Kahn).
11.54 a.m.—Jean Lewis, contralto:
"The Asra" (Rubinstein).
"The Praise of God" (Beethoven).
12.1 p.m.—Radi-o-Aces:
"Lonely in a Crowd" (Greer).
"Louisiana" (Schafer).
"Nesting Time" (Nussbaum).
12.16 p.m.—Millie McCormack, soprano:
"The Robin's Song" (White).
"Four Leaf Clover" (Brownell).
12.23 p.m.—Radi-o-Aces:
"Just a Year Ago, To-night" (Rose).
"Golden Gate" (Jolson).
"Harvest Moon" (Baye).
12.38 p.m.—British Official Wireless news.
12.48 p.m.—Bernard Thomas, tenor:
"I Know of Two Bright Eyes" (Clutsam).
"Keep on Hopin'" (Maxwell).
12.55 p.m.—Radi-o-Aces:
"Rain" (Ford).
"Mine, All Mine" (Ruby).
1 p.m.—Description of Cricket—England v.
Victoria—by Rod. McGregor, from Mel-
bourne Cricket Ground.
1.15 p.m.—Radi-o-Aces:
"Lonely Acres" (Robinson).
"Shake it Down" (Williams).
"Next to You, I Like Me Next to Yo'u"
(Bito).

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.

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.

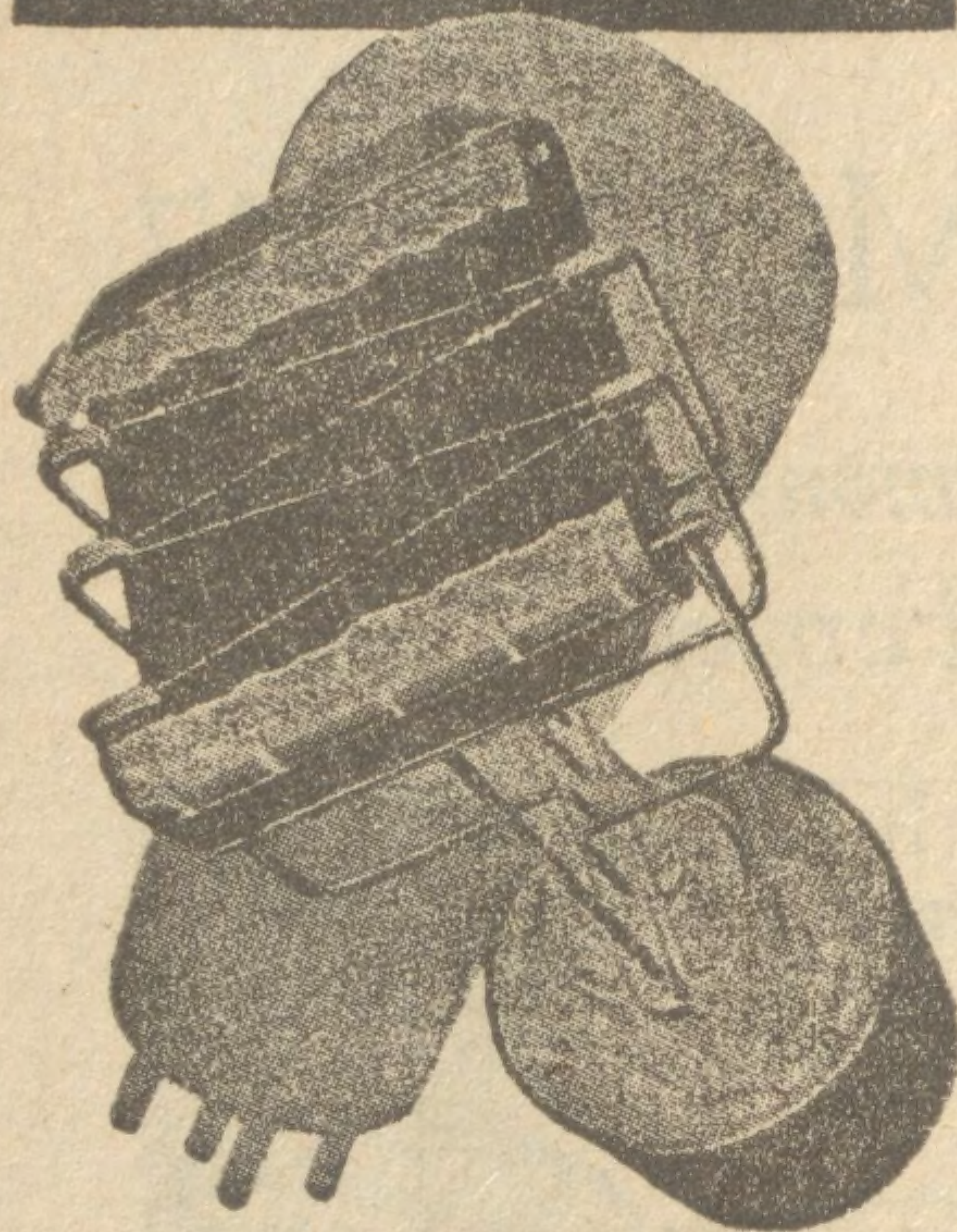
It has no batteries—a great nuisance completely eradicated. One dial brings in all stations—you can if you desire, tune in in the dark. Volume depends on your mood. Selective—sensitive—embodying in a beautiful—a strikingly simple cabinet—every modern refinement of Radio science.

A demonstration is well worth hearing. With Loud Speaker.
Price £75

FARMER'S

PITT, MARKET & GEORGE STS., SYDNEY

A LONG FILAMENT



A long filament with a long life—that's the Mullard P.M. The great length of this filament gives it a gigantic emission surface, ensuring powerful yet pure reproduction.

Further, it consumes only .075 amps. and is easy on your batteries.

This wonderful Mullard filament is found only in Mullard P.M. Valves. They will improve any radio set—ask your dealer, he stocks them.

Mullard
THE MASTER VALVE

B

EVENING SESSION.

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

NIGHT SESSION.

8 p.m.—Under the auspices of the Health Department. D. Frank R. Kerr: "The Care of the Eyes."

8.15 p.m.—Under the auspices of the Royal Life-Saving Society. A. A. Myers: "Learning to Swim."

8.30 p.m.—Presentation of "Orpheus" (Gluck)—2nd Part. Produced by Mr. J. Sutton Crow, and transmitted from the Auburn Hall.

Characters:

Orpheus Sybil Shaw.
Eurydice Marjorie Robison.
Amor Stella Dredge.

Pianist: Mabel Nelson.

From the Studio—

9.45 p.m.—Dorothy Turner Crawford, contralto:

"Piccaninny Mine, Good-night" (H. Trotter).

"They Say" (Warwick Evans).

9.52 p.m.—Walter Quirk, baritone:

"Rhapsodie, No. 12" (Liszt).

10.2 p.m.—Harold Andrews, baritone:

"Dreams of the Dusk" (Guy d'Hardelot).

"A Sheepfold Song" (Landon Ronald).

10.19 p.m.—Norman Farmer, flute:

"Rhapsodie Hongroise" (Popp).

"Serenade" (Schubert).

10.26 p.m.—Dorothy Turner Crawford, contralto:

"Break, Break" (Louis Lavater).

"Absent" (Metcalf).

10.33 p.m.—Norman Farmer, flute:

"Le Rosignol du Mord" (Ciardi).

"Scherzino" (Anderson).

10.40 p.m.—Howard Andrews, baritone:

"Sometimes When Night is Nigh" (Lyall Phillips).

"Love and Sleep" (F. Bennecke Hart).

10.47 p.m.—Walter Quirk, piano:

"Rondo Capriccioso."

"Waltz in G Flat" (Chopin).

10.55 p.m.—"Age" news service, exclusive to 3AR.

10.58 p.m.—Acceptances for Saturday's races.

11 p.m.—God Save the King.

4QC. BRISBANE

THURSDAY, 1st NOVEMBER, 1928.

EARLY MORNING SESSION.

8.0 a.m.—From the Studio:

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

8.30 a.m.—Close Down.

MORNING SESSION.

11.0 a.m. to 12 noon.

MIDDAY SESSION.

1.0 p.m.—Market Reports and Weather Information.

1.15 p.m.—A Lunch Hour Address.

1.53 p.m.—Time Signals.

AFTERNOON SESSION.

3.0 p.m.—A Programme by the Studio Orchestra, including:—

Overture, "Norma" (Bellini).

Valse, "Die Hydropaten" (Gun'l).

Violin Solo, "Serenade" (Leoncavallo)—Soloist, Leo. Benvenuti.

Intermezzo, "In the Clover" (Thurban).

Romance, "Waiting" (Ancliffe).

Selection, "Dorothy" (Cellier).

March, "Rolling Thunder" (Fillmore).

4.15 p.m.—Afternoon News.

EARLY EVENING SESSION.

6.0 p.m.—Mail Train Running Times; Mail Information; Shipping News.

6.8 p.m.—Dinner Music.

6.25 p.m.—Commercial Announcements.

6.30 p.m.—Bedtime Stories, conducted by "The Sandman."

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.

7.43 p.m.—Standard Time Signals.

7.45 p.m.—Lecturette: A Talk on Books by Mr. J. Doyle (McLeod's).

NIGHT SESSION.

8.0 p.m.—Group I.—Grand Opera:

Instrumental Trio:

"Prelude and Siciliano" (from "Cavalleria Rusticana"—Mascagni).

Double Quartette:

"Hark, the Distant Hills" (from "Martha"—Flotow).

George Williamson (tenor), and Stanley

Tamblyn (bass-baritone):

Duet, "In This Solemn Hour" (from "Force of Destiny"—Verdi).

Double Quartette:

"Here We Rest" (from "The Sleepwalker"—Donizetti).

Instrumental Trio:

"Entracte No. 1" (from "Rosamunde"—Schubert).

8.20 p.m.—Group II.—Songs of North American Indians:—

Stanley Tamblyn (bass-baritone), and Tom Ryan (bass):

Duet, "When the Sad Waters Flow."

Mildred Bell (Contralto):

"By the Waters of Minnetonka" (Lieurance).

Mrs. Robt. Bell (soprano), and Stanley Tamblyn (bass-baritone):

"The Eagle and the Lark."

Double Quartette:

"A Mountain Madrigal."

"Where Drowsy Waters Steal."

Instrumental Trio:

"Entracte No. 2" (from "Rosamunde"—Schubert).

8.40 p.m.—Group III.—Sacred:—

Male Quartette:

"Ave Verum" (Erich John).

Mrs. Robt. Bell (soprano):

"Ave Maria" (Rosewig).

George Williamson (tenor):

"The Day is Ended" (Wolcott).

Double Quartette:

"Lead Kindly Light" (arr. by Erich John).

Instrumental Trio:

"Chanson Triste" (Tschaikowsky).

9.0 p.m.—Group IV.—Classical:

Double Quartette:

"A Red, Red Rose" (Schumann).

Mrs. Robt. Bell (soprano), and George Williamson (tenor):

Duet, "Lullaby" (Brahms).

Duet, "The Blacksmith" (Brahms).

Stanley Tamblyn (bass-baritone):

"When Lydia Would Leave Me" (Beethoven).

Double Quartette:

"Parting and Meeting" (Mendelssohn).

Instrumental Trio:

"Salut d'Amour" (Elgar).

9.20 p.m.—Group V.—Songs of the Bells:

Mildred Bell (Contralto):

"Hatfield Bells" (Martin).

George Williamson (tenor):

"Evening Bells" (Michael Croger-Erich John).

Mrs. Robt. Bell (soprano), and Mildred Bell (contralto):

"The Belfry Tower" (Hatton).

Double Quartette:

"The Legend of the Bells" (Planquette).

Instrumental Trio:

"Chaconne" (Durand).

9.40 p.m.—Group VI.—Light Opera:

Double Quartette:

"Chorus of Quakers and Villagers" (from "The Quaker Girl"—Monckton).

Tom Ryan (Bass):

"With a Welcome For All" (from "Dorothy"—Collier).

Mildred Bell (contralto), and Stanley Tamblyn (bass-baritone):

"Galloping" (from "Florodora"—Stuart).

Double Quartette:

"Now the Merry Vintage" (from "La Mascotte"—Andran).

Instrumental Trio:

"Sous la Feuillée" (Thome).

10.0 p.m.—Late News; Weather News; Close Down.

7ZL, HOBART

THURSDAY, 1st 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.—M'elie Columbia Broadcasts.
- 12.29 p.m.—Announcements.
- 12.33 p.m.—M'elie Columbia Broadcasts.
- 12.55 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.
- 3.5 p.m.—Weather information.
- 3.10 p.m.—M'elie Columbia Broadcasts.
- 4.15 p.m.—Child Welfare:
A Talk by a Representative of the Child Welfare Association:
"Why Does the Baby Cry?"
- 4.30 p.m.—Close down.

EARLY EVENING SESSION.

CHILDREN'S HOUR.

- 6.15 p.m.—M'elie Columbia Broadcasts.
- 6.45 p.m.—A Story told by "The Storey Lady":
"Whittington and His Cat."
- 7 p.m.—Answers to Letters and Birthday Greetings by "Uncle David."
- 7.5 p.m.—M'elie Columbia Broadcasts.

EVENING SESSION.

- 7.30 p.m.—Come to Tasmania: Under the auspices of the "Come to Tasmania" Association, Capt. Webb will speak on:
"Swimming."
- 7.45 p.m.—H. H. Cummins, President, Rotary Club, will speak under the auspices of the 7ZL and "Mercury" Hospital Appeal for Wireless Equipment for the Hobart General Hospital:
"What happiness means to the Suffering."
- 8 p.m.—G.P.O. Clock chimes the hour.
- 8.1 p.m.—Fifty Years Ago.
- 8.6 p.m.—Leila Read, pianist: Selected.
- 8.11 p.m.—Fred Heraud, baritone:
"Hast Thou been to Mecca" (Asche).
"Throb of the Passionate Day" (Lohr).
- 8.18 p.m.—Daisy Walters, soprano:
"A Bird of the Wilderness" (Horsam).
"A Birthday" (Woodman).
- 8.28 p.m.—M'elie Columbia Broadcasts.
- 8.31 p.m.—Ed. Brooker, baritone:
"Alice, where art Thou" (Ascher).
"Melody in F" (Lange).
- 8.38 p.m.—M'elie Columbia Broadcasts.
- 8.41 p.m.—Gwen Davidson, soprano:
"Venetian Song" (Bemberg).
"Big Lady Moon" (Coleridge-Taylor).
- 8.48 p.m.—M'elie Columbia Broadcasts.
- 8.51 p.m.—Reading of a One-Act Play:
"Five Birds in a Cage" (by Gertrude Jennings).
- 9.16 p.m.—Leila Read, pianist: Selected.
- 9.21 p.m.—Fred Heraud, baritone:
"Bells of Brittany" (Phillips).
"I heard you singing" (Coates).
- 9.28 p.m.—M'elie Columbia Broadcasts.
- 9.31 p.m.—Daisy Walters, soprano:
"The Valley of Memory" (Coverley).
"A Prayer in Absence" (Brahe).
- 9.38 p.m.—M'elie Columbia Broadcasts.
- 9.41 p.m.—Ed. Brooker, baritone:
"Annie Laurie" (Scott).
"Romance in F" (Rubinstein).
- 9.48 p.m.—M'elie Columbia Broadcasts.
- 9.50 p.m.—British Official Wireless News.
"Mercury" special Tasmanian News Service.
Tasmanian District Weather Information.
- 10 p.m.—G.P.O. Clock chimes the hour.
God Save the King.

GREATER

radio battery value

for your money!

"Ever-Ready" Radio Batteries are made in Australia, and are delivered to you **FRESH FROM THE FACTORY.** Moisture-proof heavy-gauge zinc containers, high-grade chemicals perfectly balanced, first class materials and efficient insulation ensure long life and noiseless reception. Warranted to give service **NOT EXCELLED** by any other make of battery of equal size and capacity.

See your Radio Dealer to-day! There is an "Ever-Ready" type to meet every requirement.



SUPER SERVICE

45-Volt H.T. "B" Battery

New
Low
Price

24/6

Why Pay More?

Write us for the interesting coloured folder about these great batteries. You will appreciate the helpful advice and the many economy hints it contains.

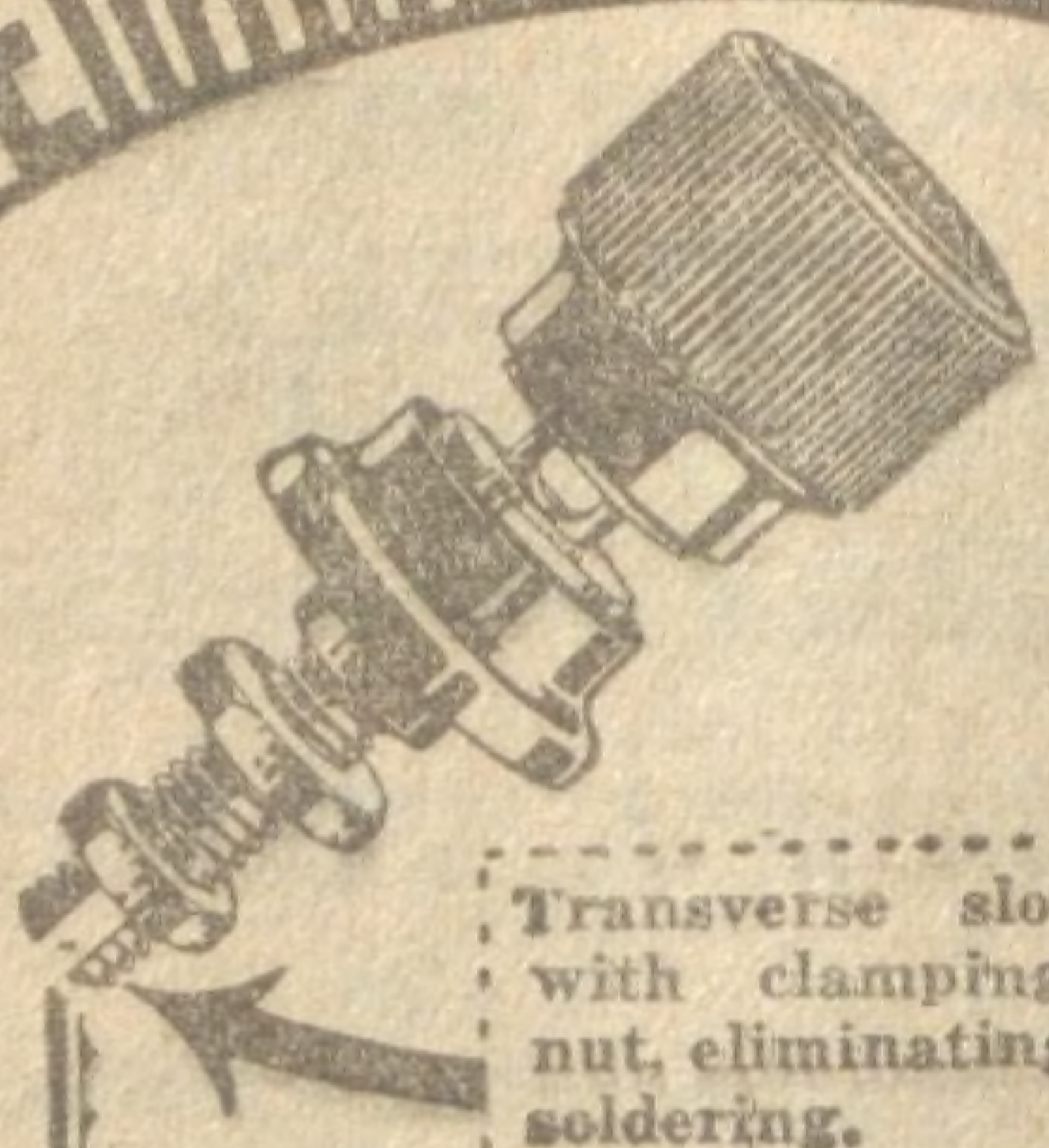
Wholesale Distributors:

THE EVER-READY CO. (Gt. Britain) LTD.
163 Pitt Street, SYDNEY

EVER-READY
RADIO
BATTERIES

SAFETY FIRST — UTILITY ALWAYS

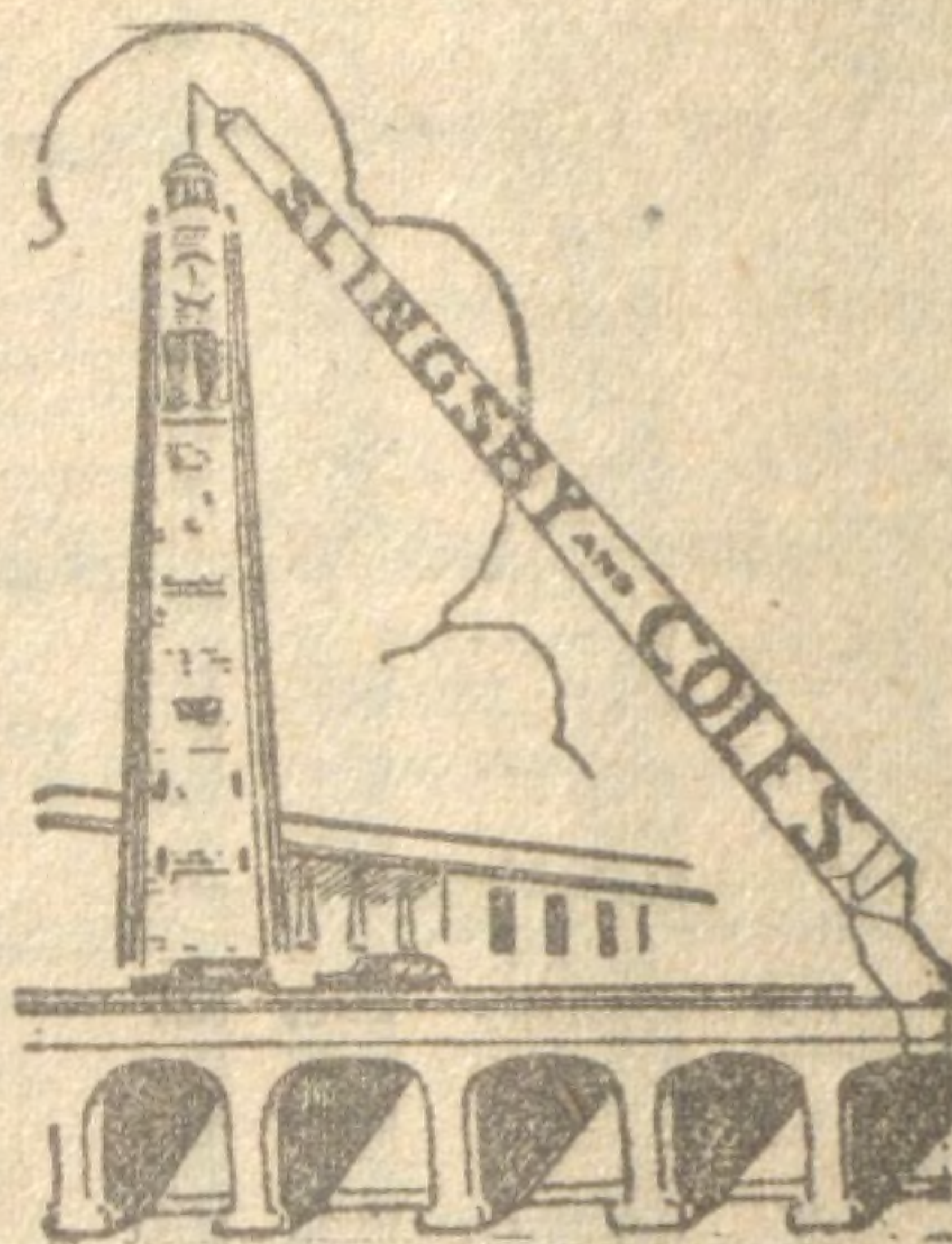
Eliminates Soldering



Transverse slot with clamping nut, eliminating soldering.

The top does not rotate.
The head does not come off.
The smooth stem ensures that strands of wire will not bind up with thread.
The finish is perfect throughout.
The Belling-Lee Patented Terminal is made with 20 different engravings. Prices:
Type "B" Standard Large Insulated Model. (Polished Black Bakelite), 1/- each
Type "M" Popular Model, as type "B," but not insulated, 9d. each
Type "R" Cheap Model with rotating name 6d. each
Patents Applied For.
Factory Representative for Aust.:
W. G. WATSON & CO., LTD.,
279 Clarence Street, SYDNEY.
And All States.

BELLING-LEE
TERMINALS



RELIABLE RADIO ACCESSORIES.

Saturn Push-Pull Switches 2/-
Flush Type Switches 2/6, 1/2 amp.
Ballasts 3/-. Electrad Tone Controls 5/-.
Bradley ohms 18/-. S.C. Filament Control Jacks 2/6. Soldering Irons 1/6.
20-ft. Speaker Cords (silk) 2/6. Cord Connectors 1/9. Glass Enclosed Crystal Detectors 3/-. Crystals 1/-. Cossor P1, P2 Valves 1/-. Mullard O.R.A. Valves 1/-. English Valve Sockets 2/-. U.V.199 Valve Sockets 1/6. Baby Velmo Vernier Dials 5/-. 4-in. Vernier Dials 2/6.

Slingsby & Coles Ltd.

THE RELIABLE RADIO HOUSE.
486 Pitt Street, Sydney
(Under Central Station.)

RADIO SETS WIRED UP FREE OF CHARGE

If you purchase your complete kit of parts from me I will wire up your set free of charge. Re-wiring and repairs a speciality. If your receiver is out of date, I can wire it to the most modern circuit at a reasonable cost. Eliminators and Chargers installed free in the Metropolitan area. Results guaranteed.

G. C. Beardsmore
4th Floor, Kincoppal Chas
38 Martin Place,
City.

'Phone: B1773.

Sole Agent for Te-Ka-De Sets for N.S.W.

VAR-LAC CONNECTING WIRE

Prevents internal short circuits. Perfect insulation. Ends easily stripped for connecting. No frayed edges. In six colors: Red, blue, white, green, black, yellow. 10ft. coil, 13 S.W.G.

BEAL PRITCHETT (AUST.) LTD.
17 PARKER STREET, SYDNEY

VAR-LAC MULTI-WAY BATTERY CABLE

is sold by the yard

Seven different colored leads under one water, acid and flame proof covering. No matter how far your batteries may be from your set, VAR-LAC will reach them. Scrap those untidy wires and use VAR-LAC Battery Cable. For Neatness, Convenience & Efficiency. Supplied in any length. If dealer is out of stock write direct.

BEAL PRITCHETT (AUST.) LTD.
17 PARKER STREET, SYDNEY



Panel Cutter

Panel cutter for cutting instrument mounting holes in radio panels. It is of case hardened steel and is made in three sizes, 2 inches, 2 1/2 inches, and 3 inches.

A very handy tool for mounting all makes of radio meters.

Write for

Radio Instrument Catalogue No. 15.c

STROMBERG CARLSON

Australasia Limited.

76 William Street, :: Sydney.

Phone: F4184 Telegrams: "Strom"



Registered Trade Mark.

Published by Godfrey Blunden, of 2a Clanalpine Street, Mosman, for the Proprietors, Wireless Newspapers Limited, 51 Castlereagh Street, Sydney; and printed by Marchant & Co., Ltd., 321 Pitt-street, Sydney.

The Editor will be glad to consider Technical and Topical Articles of interest to Australian Readers. All Manuscripts and Illustrations are sent at the author's risk, and although the greatest care will be taken to return unsuitable matter (if accompanied by stamps), the Editor cannot accept responsibility for its safe return.

Subscription rates.—Twelve months (52 issues), 13/- post free; six months (26 issues), 6/6 post free. Single copies, 3d. each, or post free, 4d. Subscriptions should be addressed to Wireless Newspapers, Ltd., 51 Castlereagh Street, Sydney.

Advertising:—Our advertising representative keeps in close touch with advertisers, and he is ready at all times to supply information concerning advertising.

Agents in Great Britain:—The Colonial Technical Press, Ltd., Dudley House, Southampton Street, Strand, W.C. 2.

"Wireless Weekly" is fully protected by copyright, and nothing that appears in it may be reprinted, wholly or in part, without special permission. The use of our articles or quotation from them for any purpose whatsoever is never permitted without our written authority.

Readers' Queries Answered

G.H.A. (ARNCLIFFE).—Thanks for your kind remarks. Yes, you will pick up quite a lot of useful hints studying the Queries Columns. The writer started that way.

A.G.H. (DENILQUIN).—We shall shortly be publishing a portable receiver for the Xmas holidays. Did you see the semi-portable receiver in a recent issue, entitled the "Portex"?

T.C.B. (BUNDABERG).—A five or six valve receiver would be necessary, and even then reception of interstate stations during daylight could not be guaranteed. Write to Economic Radio Stores, who will build a receiver specially suited to your conditions. Mention that your mains are D.C.

R.O.M. (TURRAMURRA).—(1) A better idea would be to use a Bunsen burner or a blowlamp, with which the tubes could be heated. When the ends are soft they should be bent over by means of a wooden pellet. The glass tubes should be heated all over, in order that they do not crack. Your suggestion is not practicable, because the heat occasioned by charging would in all probability result in a leak.

(2) Mix with water, and test with a hydrometer until it shows a specific gravity of .12.

(3) Yes, as the electrolyte being composed mainly of water, has resistance. The correct distance between the plates will best be found by experiment. You will find that the distance will not be great.

(4) Yes, because the battery would become overcharged, resulting in over-heating and probably the matter would come away from the plates.

E.S.L. (KILCOY).—The circuit submitted is correct, and may be used as a S.W. adaptor in your receiver. The valve mentioned will also be O.K. You could use Airzone material and cut your own coils from this (7/6 per foot), or you could use Radiokes or some other well-known short-wave kit.

H.M. (NEWCASTLE).—Test the batteries, and also the valves. The former may be run down, whilst the latter may have lost their emission. You will get greater volume by using transformers instead of resistance for coupling in the first two audio stages. The Home Constructor's Wireless Guide, price 4/6, obtainable from Angus and Robertson. It's a pleasure.

"PERPLEXED" (DULWICH HILL).—Examine the connections to the 'phone jack, and see that no short is occasioned when the plug is withdrawn or inserted. If this is in order, examine the contacts of the 2nd R.F. valve socket, and see that they are correctly spaced. It would be as well to remove the socket and tighten up the screws which hold the terminals and incidentally the contact arms, otherwise the plate connection may short with the filament, causing the burning of the filament of the 2nd R.F. valve complained of.

"WILLOUGHBY DASHBOARD" (DUNDAS).—A wavetrap will be necessary owing to your proximity to 2FC's aerial. No, altering the layout of the eliminator will not help you to make your receiver selective. Missed your first letter. Pleased to hear fault rectified.

B.B. (BURRAGATE).—Separate condensers may be used in the Peridyne receiver, but we advise use of the ganged condensers, others the receiver will be difficult to tune. Messrs. Grose and Daniels now market a kit for building your own Peridyne coils.

R.B. (BANKSTOWN).—The Overload which must be absorbed by the rectifying valve would be considerable, and this explains why

In the queries columns for October 19th, 1928, reference was made to a receiver as Residyne. The readers to whom the queries were directed will note that this word should have been

PERIDYNE

Readers interested in the Peridyne should note that a screen-grid version of this famous circuit will be described in the November issue of Radio.

it was burning brightly. This treatment will not do rectifier or accumulator any good, and in course of time the rectifying valve would burn out.

G.A.M. (RYLSTONE).—It will be necessary for you to use one of the following methods of obtaining 425 volts D.C. (1) Ten dry batteries, each 42 volts, connected in series; (2) an eliminator giving 180 volts, connected in series with six dry "B" batteries, each 42 volts; (3) stepping up the A.C. mains by means of a transformer with a ratio of $2\frac{1}{2}$ —1; (4) use of a rotary converter and dynamo. Eliminators give approximately 180 volts D.C.

C.S. (WAHROONGA).—Write to Messrs. Grose and Daniels who are now marketing kits for winding your own Peridyne coils. Complete instructions are given.

J.F. (CREMORNE).—Your letter was very vague. As you do not say whether the valve burnt out was in the adaptor or the receiver into which the S.W. adaptor was plugged, we are unable to help you. Write again, giving further particulars, and mention the deviations made by you from our specifications.

"MAC" (CAMPBELLTOWN).—The receiver is not known to us. It will be necessary (using the variable condensers mentioned) to experiment for the correct number of turns on your coils.

A.R.W. (CAPEETEE).—Using the ganged condenser would not give you greater distance reception, but it would be easier to tune in distant stations than is the case when using separate condensers. See that the power valve in the first audio stage is getting the correct grid bias, and that you are using plenty of voltage on this valve.

J.H. (NTH. QUEENSLAND).—The size of the screen should be 3 by 3 inches, and the hole should measure $1\frac{1}{2}$ inches diameter. For the broadcast band, the largest coils should be used. The size twist-drill used in the construction of the All-Empire was a $5/32$ of an inch.

W.W.S. (DRUMMOYNE).—Place the cabinet on a mat of felt or on books in order to absorb shock. The ring is caused through vibration of the elements in the detector valve. The loudspeaker should not be placed on top

of the cabinet, as the sound waves cause the valve to ring. The direction in which the speaker is pointing will also have some effect on microphonic noises.

G.W. (OATLEY).—It will be necessary to add another valve and transformer (an additional audio-frequency stage). Use a 5-1 transformer, Ferranti, or the same make as at present in use (A.W.A.), and a B406 Philips valve. Connect that side of the speaker jack that goes to the plate of the last valve to the P of the transformer. (Do not disconnect this lead from the jack, but take an additional wire.) Then from the other side of the jack, carry a lead to B plus of the transformer. From G of the transformer, connect to the G terminal of the additional valve socket, and from F negative of the transformer to F negative of the valve, and thence to the negative terminal of the A battery. From the positive filament terminal of the valve socket, carry a lead to the positive side of the "A" battery. From the plate of the valve, connect to one side of an additional jack, and from the other side of this jack, connect to the highest possible voltage of your B battery, i.e., B plus.

C.B.S. (TASMANIA).—The valve you are using is O.K. The trouble is due to faulty grid bias.

A.T. (NTH. BONDI).—The "Economic" "B" Eliminator will be O.K. for use with the 3 valve B.D. receiver. An eliminator compares favourably with dry batteries for DX reception on the broadcast band, but is of no use on very short waves. There are no stations at present putting out morse signals on the B.C. band for learners' use. Why not listen on the 32 and 80 metre bands for amateurs? Thanks for your kind remarks.

H.E. (COOLANGATTA).—Alterations would be necessary in the circuit if you intend to use Screen Grid valves. No alterations will be necessary using power valves in the audio stages, with the exception of "B" voltage and grid bias. If your receiver is giving you (as you mention in your letter) 100 per cent. efficiency, would not advise you to alter your reaction system. Philips valves can be recommended, though Mullard, Radiotrons, and other good makes are quite efficient.

W.M. (DAPTO).—The trouble is due to run down batteries.

W.G.I. (IPSWICH).—Your letter has been referred to Mr. T. P. Watson, who, no doubt, will personally answer your queries.

B.W. (WEST. AUST.).—Use a honeycomb coil of 250 turns, tapped at the 50th turn.

F.J.W. (MELBOURNE).—Philips do not manufacture a six volt Screen Grid valve. Use a 442 with a drop resistor (a pre-set resistor can be obtained from Swains, Sydney), and a 615 for detector. For the audios, use a B605, and a C603.

E.C. (WILLOUGHBY).—Yes, the Improved Reinartz Three may be used as a portable receiver—but in this case, it will have a limited range. The size of the frame aerial should be 2 feet by 1 foot, and should be wound with 16 turns of Belden loop wire, each turn spaced 1-16th of an inch.

C.J.W. (MARRICKVILLE).—The circuit is a modified "Three Coil Tuner," in which the reaction is tuned by means of a variable condenser. There is nothing remarkable about the circuit.

"CURIOUS" (NEWCASTLE).—There was no sign of the piece of aerial wire you mentioned was enclosed with your letter. Try a midge condenser in the aerial lead. Yes, you would lose a great deal of R.F. current if your lead-in touched anything that would act as a conductor to earth. Earthing the transformers is not necessary. Yes, using two re-

Readers' Queries (Continued)

ceiving sets on one aerial and one earth was carried out on some ships during the war, when as many as ten receivers were operated from the one aerial-earth system. However, certain alterations and additions are necessary, and interference will be caused unless you take particular care.

GENERAL.—Will readers who write requesting a reply to outstanding queries, please repeat the query referred to? In many cases, the delay is occasioned through the letter being referred to some particular expert, or the letter may have gone astray. When this happens, we are at a loss as to the requirements of the person forwarding the query.

A.J. (CARLTON).—The circuit forwarded is a three-circuit tuner with capacity reaction—a Schnell. The circuit is suitable for broadcast reception and also for short wave reception using the correct coils and tuning condensers.

S.C.W. (DUNDEE).—See that you are using sufficient grid-bias, and that you have a good earth. Perhaps one or more of the valves is not making proper contact with the prongs of the socket. Try adjusting the primary coil of the detector stage. Bring it a little nearer to the secondary. Also test the windings of your transformers. You will need more than 90 volts unless you use lower powered valves. Use 135 volts on the audio stages.

J.H. (GUNGAL).—Yes, a Tetrode valve could be used in the "Go-Getter" short wave receiver with good results.

L.F.C.C. (NEWCASTLE).—Thanks for your letter acknowledging our replies. Reception of 2FC on short waves should be quite possible at Newcastle. Evidently the power interference of which you complain has something to do with the trouble. Yes, we understand that you are running your aerial at right angles to the power-line, but in our letter we gave you a complete list of remedies that could be tried. Try using an underground shielded aerial. Sorry we have no issues left of the copy you require. Any other copy meet your needs?

R.A.P. (GLEBE).—A Five Valve Neutrodyne consists of two stages of R.F., a detector, and two stages of A.F. It is not advisable to add more valves to this receiver. Pay attention to the aerial-earth system, and try changing over the valves.

R.M. (PENNANT HILLS).—You cannot expect to get much more than 2FC owing to the proximity of this station's aerial. Do not use more than 42 volts on the plate of the valve. You could try shielding, also the use of a short aerial and a counterpoise, but in all probability you will find that a receiver using R.F. stages will be necessary.

R.G. (GLEN INNES).—We have no record of the station. It is probably on amateur in the Northern Territory.

"BOOSTER" (VICTORIA).—Obviously the fault is in the Booster Unit. Check over the wiring and connections to the earth terminal. Many have had great success with this unit.

GENERAL.—Has any reader a spare copy of "Radio," dated August, 1927, and "Wireless Weekly," dated 9th November, 1927? The former contains instructions for making a "B" accumulator, and the latter—a "B" battery. The enquirer is W. H. Austin, Craigend, Annie Street, West Ryde.

C.S. (JERVIS BAY).—(1) The distance between the coils and shield in the "All Empire" receiver should be at least two inches.

(2) The coils you mention may be used.

(3) An A415 may be used in conjunction with a power valve in place of the valves specified in the article.

(4) A variable condenser of .00014 mfd. will be O.K.

W.J.C. (KURRI KURRI).—Test your transformers for a shorted winding, also have the Eliminator tested by the manufacturers. It would also be advisable to replace the valves which have evidently lost their emission, and you should look for a loose contact in one of the coil plugs or holders, a broken connection either in the receiver or one of the battery leads—or a frayed speaker cord. The grid leak may have become faulty. This would cause the volume to sway.

M.C. (MARRICKVILLE).—The filaments of your valves may be supplied with A.C. through a bell transformer, but it is not advisable to follow this procedure when using an eliminator for "B" supply. A resistance would be necessary in the 5 volt lead in order to cut the voltage down to 4 volts.

W.G.I. (IPSWICH).—Your letter has been passed on to the author of the article, who, no doubt, will write you personally.

"AUDIO" (MITCHAM).—The station was probably 5SW, Chelmsford, relaying 2LO London. They usually announce "London calling." Would not advise you to add more valves to the Neutrodyne.

J.W.P. (LANE COVE).—It would be better to build a loose-coupler crystal set, which would be far more selective than the receiver you are using. Interference was not so bad in those days. If you do not know how to build a loose coupler, write us and we will tell you. Suggest you use one of the more modern types of fixed crystal detectors, which are very efficient—give plenty of volume, and are very stable.

N.F.G. (BRISBANE).—Pleased to hear of your success with the Marco Special. Your letter will be published in the "Safety Valve" shortly.

C.C. (BONDI).—Try replacing the grid leak with one of a different value. Also pay attention to grid bias.

K.N.H. (HAMILTON WEST).—Place the receiver on shock absorbers, such as sponges or books—and place the loud-speaker so that it is facing away from the receiver. Do not place the speaker on top of the receiver cabinet.

W.S. (WEST MAITLAND).—May have been one of the Japs. The service was too late for a N.Z. station. As you do not mention the size of the former, afraid we cannot help you. Write again.

W. FURNESS

1st Floor Furness Chambers,
King's Cross, DARLINGHURST
Shields, Coils and all Component Parts as
used in the Tested 1928 Solodyne, Coils
are guaranteed to proper specification.
Shields assembled if desired.
Terms may be arranged.

TRANSFORMERS

Built up to a specification and wound,
lamination iron cut to any size from
stock. Prices and estimates on appli-
cation.
O'DONNELL, GRIFFIN & CO., LTD.,
53 Druitt Street, SYDNEY.
'Phones: M 2991 (3 lines).

A NUMBER OF artists new to 7ZL Hobart will take part in a concert to be given from the Hobart Studio on October 19th. A newcomer who will merit immediate notice is Miss Daisy Walters, who possesses a fine soprano voice. Amongst those better known to listeners will be Miss Jean Allen (contralto), Edward Bailey (baritone), and Roy Edwards (pianist).

THE CLEVER little sketch "Tony, the Musical Coster," written specially for 7ZL Hobart, by Mr. Edward Brooker, will be repeated on 19th October at the request of a large number of people. Mr. Brooker will be "Tony," Miss Joan Allport "The Wife," and Mr. Jack Broadbent "The Doctor."

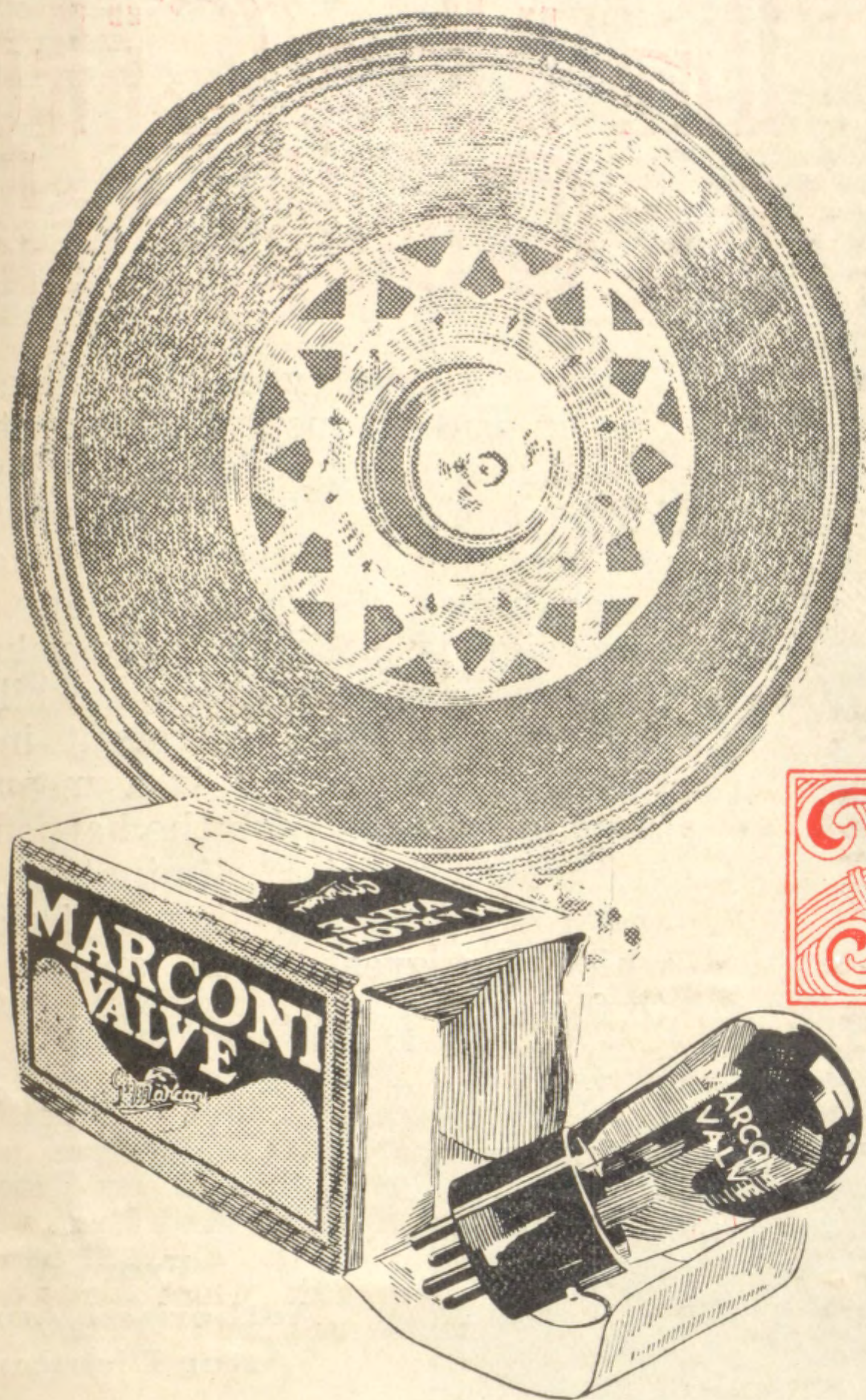
A CURIOUS instance of "Mike Fright"—that curious feeling of nervousness which comes over even experienced artists when about to sing before a broadcasting microphone—was noted at broadcasting station 2BL this week.

Miss Blank, who has been appearing on the vaudeville stage for the best part of ten years, obtained her first engagement to broadcast. She confessed to Mr. Kirke, the announcer on entering the studio, that she felt decidedly nervous, but Mr. Kirke said no one would hurt her, showed her where to stand, and announced to listeners that Miss Blank would sing—He gave the name of a well known song with which the dashing soubrette had made quite a hit on the stage.

Mr. Knight Barnett, the studio accompanist, rattled off a few notes, and looked for the soubrette to commence. The lady, however, simply flushed, red, then turned white, looked at the microphone and looked at Mr. Kirke, who smiled encouragingly. She looked at the door as if inclined to run away, but the door was shut. Suddenly she burst into a song of the most sentimental description, quite forgetting what Mr. Kirke had announced. The accompanist was non-plussed, but he managed to vamp a few notes until he got into stride with the lady, and together they got through more or less creditably.

At the conclusion of her turn, the lady remarked that she had been simply paralysed with fright. The absence of an audience and the cold look of the little marble microphone were so strange after the usual theatre crowds, that she found it impossible at the moment to carry on. In this dilemma she had simply sung the first thing that came into her head.

WHEN "DITHERING" occurs on a cone type loud-speaker, the trouble may usually be traced to a nut or screw which has become loose.



The New Marconi Valves and Speakers

THE proved efficiency of the new Marconi valves and speakers is the result of years of careful research by the engineers of the Marconi Company, England.

Three years intensified research in loud speaker production introduces the ultimate in cone loud speakers—the new Marconi cone—This new loud speaker meets every exacting condition, bringing an entirely new conception of broadcast entertainment.

The new Marconi valves, available in two, four and six volt series, are noted for their economy of operation with regard to both "A" and "B" batteries. They ensure a maximum of undistorted signal strength with a minimum of current.

Adjustment of the new Marconi Cone Loud Speaker is at the front. The cone is protected at the back by a metal bracket

Price . £5

Obtainable all Radio Dealers

The New Marconi Valves are packed on scientific principles. Risk of breakage during transit is obviated.

**MARCONI
VALVES & SPEAKERS**
"as famous as the name they bear"



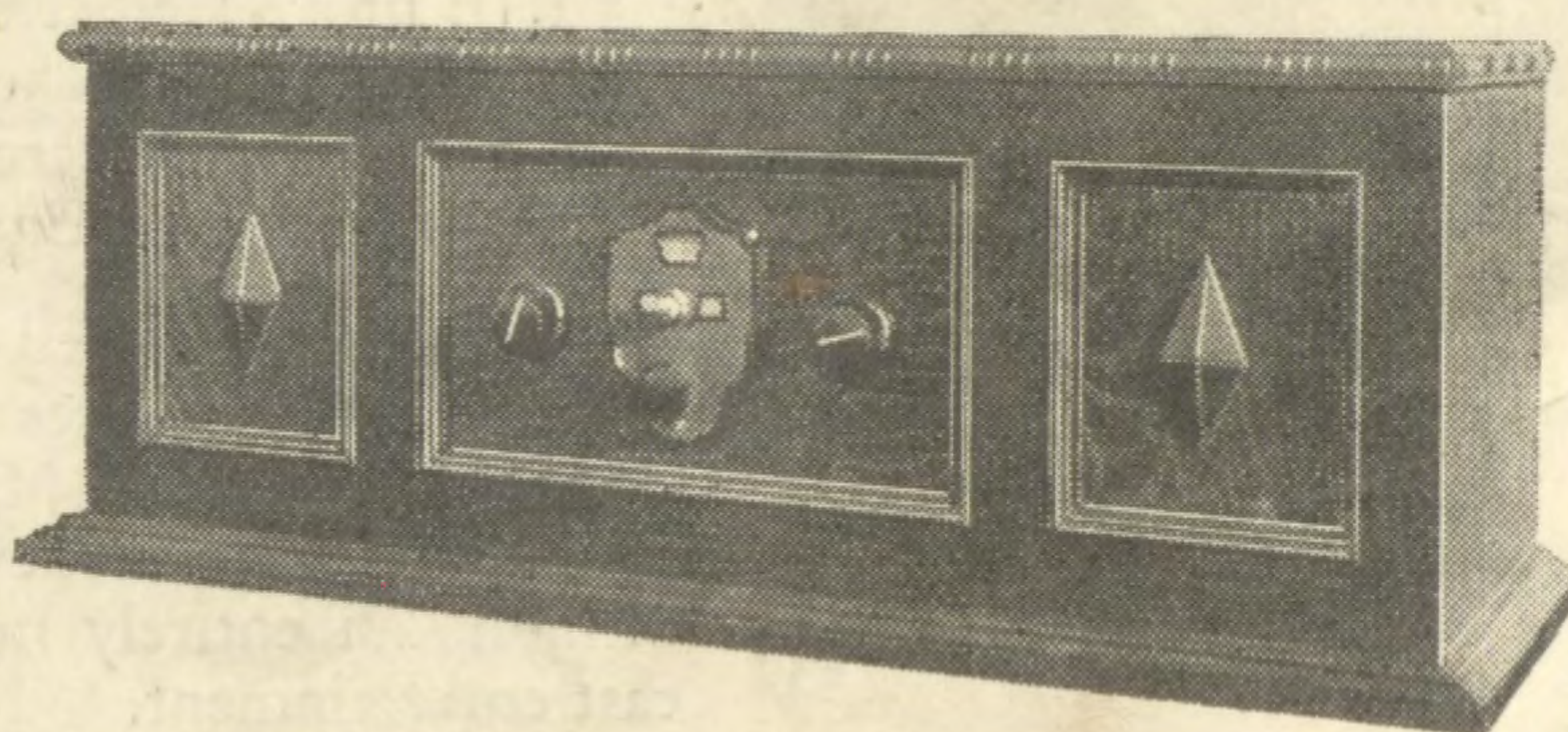
Amalgamated WORLD WIDE WIRELESS Wireless
(Australasia) Ltd



In the City or Outback

Town and country dweller alike will find in radio just that something which is necessary for the fuller enjoyment of life. To the city dweller radio offers, by reason of its varied programmes, its sporting news, its time signals, a service, the value of which cannot be estimated, whilst to those whose lives are spent in the "Back o' Bourke" it is a means of keeping in touch with the happenings in the great cities, eliminating once and for all that feeling of isolation which the great open spaces tend to foster.

Cash or Easy Terms
if desired.



From all
Authorised Amplion
Astor Distributors.

The Little Astor Three is ideal for town or country use. It is simple in construction—easy of manipulation and certain in action. When once installed it will give trouble-free service, its performance comparing favorably with sets costing considerably more. Moreover the Astor is not only economical in price, but it is cheap to run.

ASTOR

Call and hear it working

AMPLION (Australasia) Limited
53-55 York Street, SYDNEY.
(Top of Wynyard Street)

The Little Astor Three.
Instrument Only, £13 : 10 : 0
Complete with All Accessories, from £20 : 15 : 0

