

# WIRELESS WEEKLY

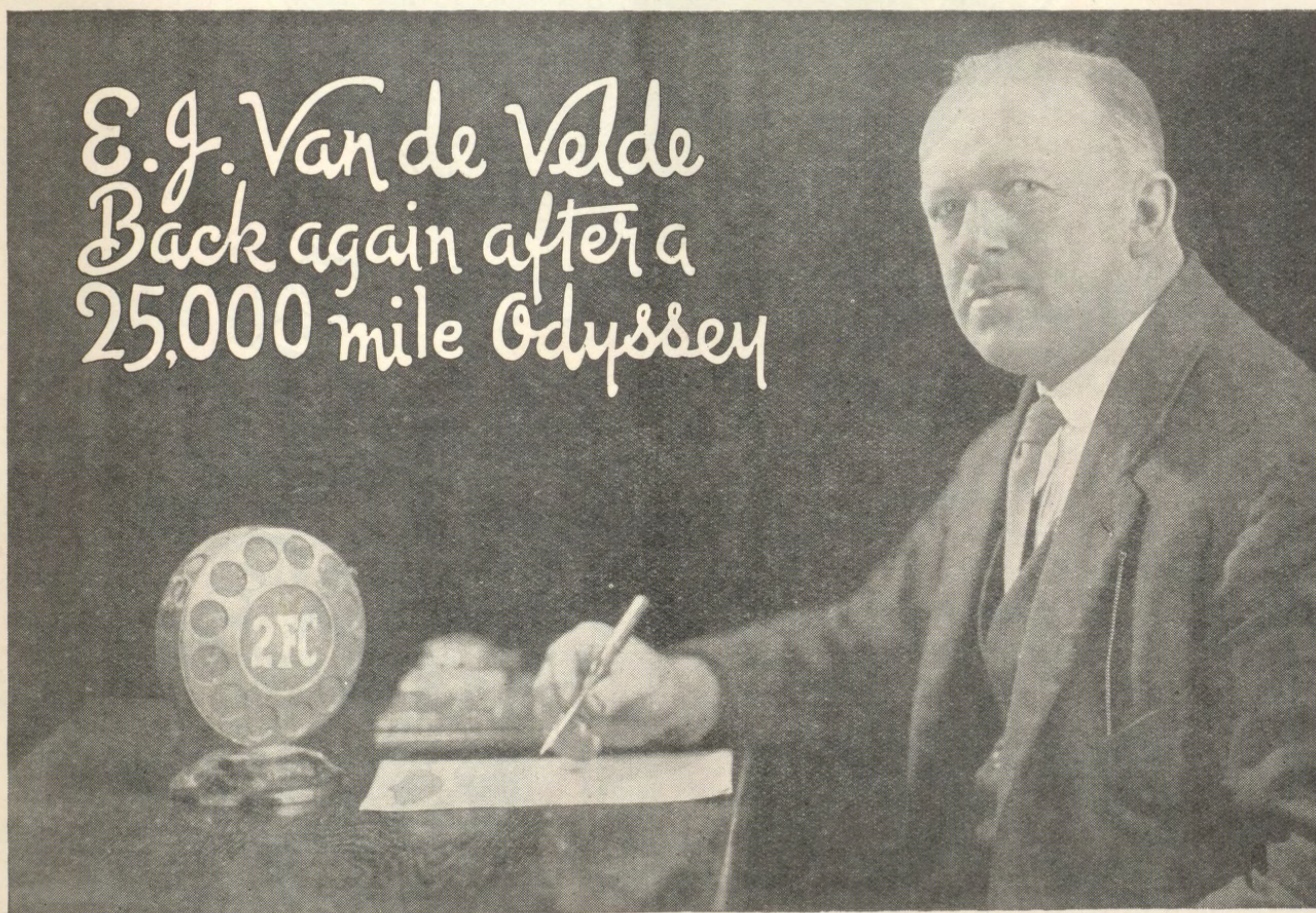
Broadcast Programmes a Week in advance

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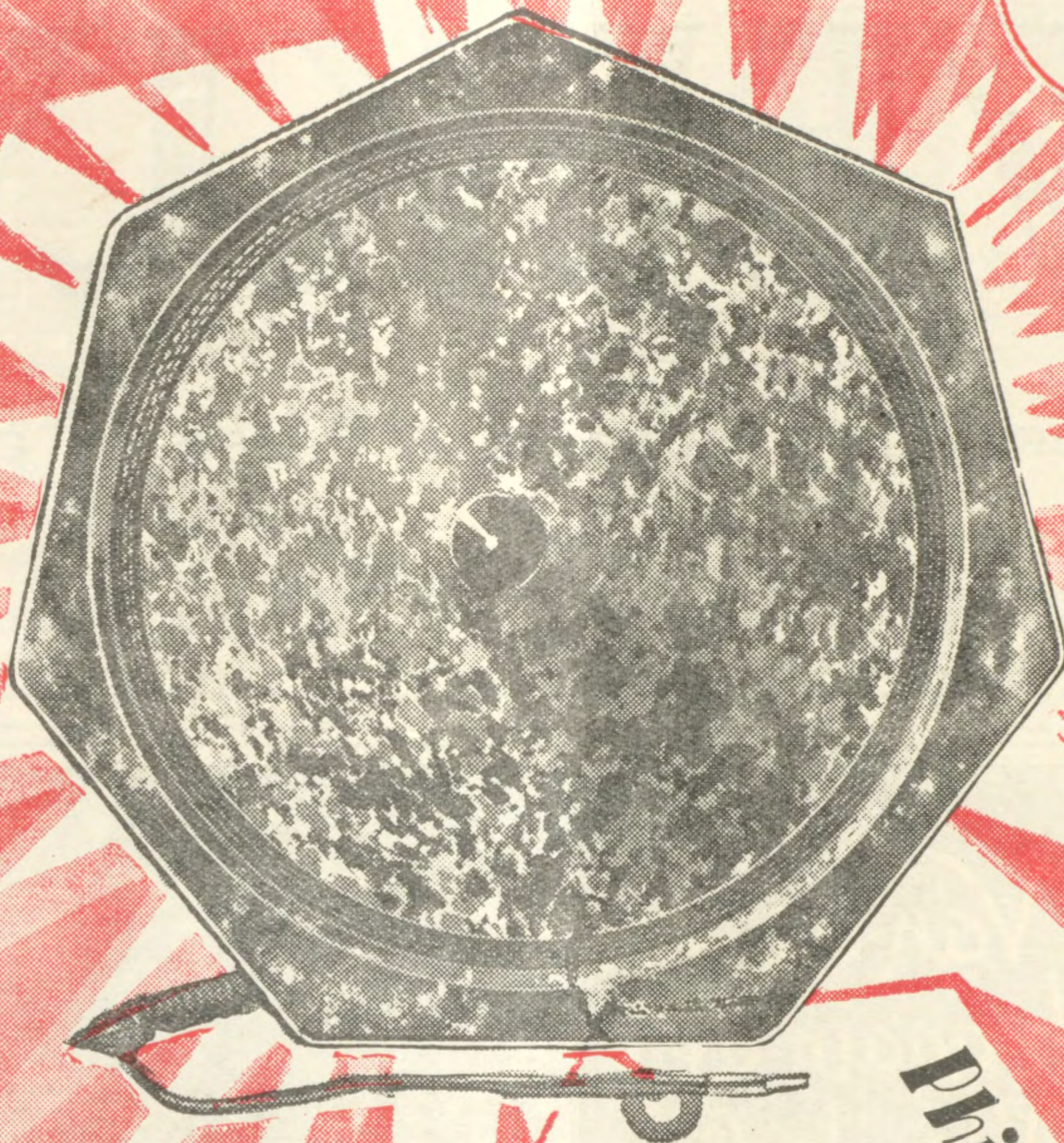
*E. J. Van de Velde  
Back again after a  
25,000 mile Odyssey*



Friday, October 5, 1928

Price Threepence





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# PHILIPS

## POWER UNITS



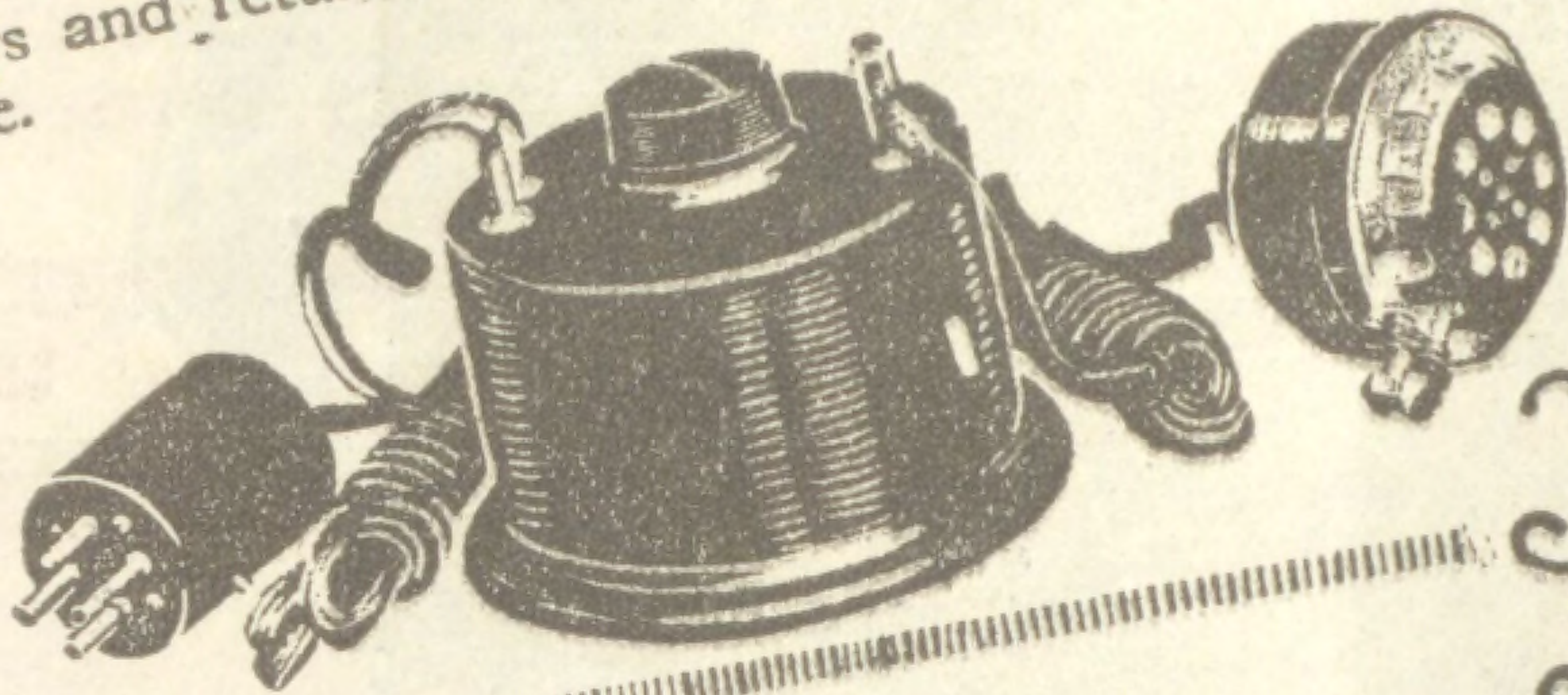
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To Manufacturers, Jobbers  
and Dealers

The Elec-tru-tone Corporation desires to call the attention of the radio trade to the fact that it is the owner of  
U. S. Patent No. 1,645,491  
Granted Oct. 11, 1927

This patent basically covers phonograph electric pick-up devices that utilize a detector socket plug, with or without volume control and/or blocking condenser.  
Licenses are being offered to manufacturers who are now making such devices or who had dies for this purpose completed on or before Dec. 31, 1927.

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Fuller Bass  
Lighter Weight  
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# WIRELESS WEEKLY

VOL. 12. No. 24.

FRIDAY, 5th OCTOBER, 1928.

## *Under the Jolly Roger*

ARE the people of N.S.W. less honest than the people of other States? The question stares the inquirer in the face when he examines the Radio Inspector's figures, showing the number of dishonest or "pirate" listeners prosecuted in N.S.W. Before looking at these figures he probably assumes that the percentage of dishonest listeners is about the same in both States, and therefore (because Victoria has a larger number of listeners) he expects that Victoria should have a larger number of "pirate" prosecutions. But instead, he finds that the number of "pirate" prosecutions in N.S.W. is more than double the number in Victoria, and more than half the total number of prosecutions in the Commonwealth. Looking at the amounts collected in fines (the maximum fine is £10) for each State since the inauguration of broadcasting to August 31 of this year, we find:—

N.S.W. ....	£1,293
Victoria .....	585
Queensland .....	103
S.A. ....	340
W.A. ....	86
Tasmania .....	27
Commonwealth .....	£2,434

These figures would seem to indicate first that the staff of the N.S.W. radio inspector is more diligent than those in Victoria. We must admit this at once. Mr. Crawford's Department is probably the most efficient and experienced of all State Radio Inspector's Departments, and the men in it enthusiastic workers. But this

extra efficiency is made necessary by the great area that the officers of this department have to cover and the large population in that area; and this large number of prosecutions can hardly be due to the extra work of the Inspector.

We can only suppose that it is due to the remaining reason, that there are as many or more listeners in N.S.W. as in Victoria, but they are less honest.

It is queer psychological fact this common desire to defraud the Government or public institutions by evasion of small taxations and dues. In the country districts particularly, where, until now, there has been small possibility of prosecution, and the local postmaster, a prominent member of a small community, seldom enforces his authority, many hundreds of people must take the opportunity of evading the licence fee. But apart from these opportunists, there is a strong body of people who simply refuse to pay their fee because they believe that they should be entitled to their entertainment free of all charge and that the company does not need their small contribution in order to carry on. This is a very wrong idea, and, of course, other listeners have to carry them on their shoulders. The broadcasting companies are to-day spending ten times as much on their programmes as they spent four years ago, and the ratio of their expenses to their incoming revenue has increased a great deal.



# Catching Up with the Wireless World.

By R. E. CORDER.



CAPTAIN FRANK HURLEY, who is shortly to make an attempt to fly to London and back, is in receipt of advices from the Postmaster-General's Department, that the call sign allotted to his 'plane, the "Spirit of Australia," is "VZGX."

THE WAVE-LENGTH which has been granted is 34 metres, which is considered the most suitable for the known conditions in this part of the world, although when the 'plane flies over Asia and Europe, it is probable that interference may be caused by some obscure station operating on the same wave-length, or near enough to be objectionable.

IT WOULD, HOWEVER, be impossible to select a wave-length which, outside of Australia, could be guaranteed free from such interference. As soon as the special generators arrive from America, which are on the Sierra, tests will be made with the transmitter. Captain Hurley is particularly anxious to receive the co-operation of all amateurs, and would ask that reports of the tests be sent to him, care of the manager, New System Telephones Pty., Ltd., 280 Castlereagh Street, Sydney.

THE NEW SOUTH WALES Broadcasting Company Limited recognises that with the approach of Summer and the extension of the hours in which children stay out of doors, some change is necessary in the times allotted to the Children's Sessions. A new roster has, therefore, been drawn up, and will commence on Monday, 8th October. The 2FC Session will commence at 5.40 and between that time and 6.15 the children's letters will be answered and stories will be told. During a corresponding time of 5.45 to 6.0 p.m., music and entertainment will be given for the children from 2BL. From 6.15 to 6.30, Children's Music and entertainment will be given from 2FC, while the same period will be covered by the Children's letters and stories from 2BL. It is hoped by strictly adhering to these times, the programme will be sufficiently diversified to please the tastes of all the children.

SHOWING AT the Prince Edward Theatre, in Sydney, at present is an excellent film, depicting the exploits of the German raider Emden, in the early stages of the war, until her final encounter off Cocos Island. The story is realistically portrayed, and truly shows the chivalrous side of that terrible struggle. In one part of the production, the wireless operator is shown, in the wireless room of H.M.A.S. Sydney, taking the information from Melbourne regarding the presence of the Emden at Cocos.

SIMULTANEOUSLY with his keying is heard the crackle of the spark transmitter as used at that time. This behind-stage effect was arranged by Mr. S. V. Colville, who rigged a 14-inch. spark coil, with a mercury interrupter, actuated from an ingenious automatic tape mechanism made from an old gramophone. The message heard is identical with the original, and the use of this now ancient gear, with its attendant Leyden Jar condensers, is unique in Australia's wireless history.

## Mr. Gunn, of Mitchell, Queensland, explodes into vituperative radio verse:

'My curses on you, 2FC,  
We like our news just after tea,  
A cockie's day is never done  
Until past setting of the Sun.  
He then feels tired and is in need  
Of a cup of tea and a dash good feed;  
After which he would tune in  
To 2FC and listen-in;  
To news and market price  
And everything was good and nice,  
But no good lasts and sad to say,  
That 2FC on evil day;  
Cut out the news of after tea,  
That was so pleasant unto me.  
And cockies all with me protest,  
That 2FC is like the rest.  
Don't give a damn for cockies' ziffs,  
All out to please the Sydney stiffs,  
For God sake, Mister, hear my muse,  
And give me back my 'evening news.'  
And so say all of us,  
With whiskers waving free,  
We want the news, the blanky news,  
Restored to after tea."

THE JOINT COMMITTEE of the Children's Hospital Radio Appeal Fund, and the Radio in Hospitals Fund, sponsored by station 2BL, advises those who contributed to these funds, that the installation of the radio equipment in all wards of the Royal Alexandra Hospital for Children, Camperdown, have now been completed and also extended to the nurses' quarters.

ACCORDING TO the promise made when this appeal was first launched, a suitable name plate bearing the name of donors of the sum of £3/3/- and over has been attached to each radio point in the various wards. The committee have approved that the balance in hand, viz., £174/18/10, should be forwarded to the secretary of the Red Cross Society, to augment funds already raised for the purpose of providing radio to the Bodington Sanatorium. The Red Cross Society advise that this donation from the Radio Funds makes it possible to call for tenders, and immediately proceed with the installation at the Bodington Sanatorium. A full statement of receipts and disbursements in connection with both funds will be found in the columns of "Sun" and "Daily Telegraph Pictorial" on 24th September.

THE OFFICIAL opening ceremony of the new 5CL Studio will take place late next month. The equipment of the studios will be the most modern and efficient in Australia, and many improvements will be installed which will enable transmission to be made as perfect as possible. Further improvements in the programmes are contemplated, and novelties will be introduced which hitherto have been impracticable, and which the arrangements at the new studio will facilitate. A special jarrah dancing floor is being constructed in the largest studio, and provision is being made for regular dance nights, similar to those of 3LO, Melbourne.



# PRESENT and FUTURE CONTROL of BROADCASTING

*What is going to happen to broadcasting in Australia now that the Advisory Committee of the Commonwealth Government is functioning? Is the Government going to take over complete control? These are questions which have been worrying the broadcasting companies since the report of the Royal Commission and are only now answered.*

*A statement by Mr. George Wright, Chairman of Directors of the N.S.W. Broadcasting Co.*

NOT until the first meeting of the Broadcasting Advisory Council—that honorary body created to advise the Commonwealth Government on Broadcasting matters as a result of the report of the Royal Commission—would Mr. H. P. Brown, director of Posts and Telegraphs, make any statement to the press regarding the future control of broadcasting. Mr. Brown's silence immediately after his return from a protracted absence abroad, when he represented Australia at the International Wireless Conference at Washington, and investigated broadcasting methods in America and Europe, was considered ominous and regarded impatiently by many. It is now apparent, however, that he was merely acting cautiously, and very sensibly, in not issuing any statement until consulting the Advisory Council—the meeting of which his absence had delayed.

His statement after the meeting was typically short, and although indefinite, had the effect of relieving a certain tension among the broadcasting companies. He said, in effect:

"There will be no change in the administration of broadcasting in Australia for some time." He declined to criticise the present programmes, but agreed that there was room for improvement. "In fact," he said tersely and pointedly, "there is room for improvement in everything in Australia."

Commenting on Mr. Brown's statement, Mr. George Wright, Chairman of Directors of the N.S.W. Broadcasting Company, Ltd., said that those in control of the "A" class stations expressed no surprise at Mr. Brown's statement.

"They know," he said, "what a huge undertaking the broadcasting of continuous programmes every day, throughout the year really is. Any suggestion to pull down the existing organisation and replace it at prac-

tically a moment's notice, would bring nothing less than disaster. Broadcasting has been a matter of evolution, and every step in the compilation of the service to-day rendered by the 'A' stations has had to be taken very much in the light of experiment. There have been no precedents to work upon."

## FEDERAL ELECTIONS.

### Broadcasting of Policy Speeches.

The New South Wales Broadcasting Company Limited have made arrangements to broadcast the Policy Speeches of the three Leaders of the House of Representatives.

The Prime Minister (Mr. Bruce) will deliver his Policy Speech from Dandenong (Vic.), on 8th October, and this will be broadcast through 2FC and 3LO from Dandenong, Victoria.

The Leader of the Opposition (Mr. Scullin) will speak at Richmond (Vic.), on 4th October, and his speech will be broadcast through 2BL Service.

Dr. Earle Page will deliver his Policy Speech from Grafton (N.S.W.), on Wednesday, 10th October, and 2FC will broadcast this.

It is expected that Mr. Bruce will speak from the Sydney Town Hall later in the Campaign, and also Mr. Scullin, and it is probable that these speeches will be broadcast by the New South Wales Broadcasting Company, as permission has been granted by the Postmaster-General, which will enable each Leader to have one speech broadcast from each State.

Regarding Mr. Brown's short statement on the programmes, Mr. Wright said:

"Very fairly Mr. Brown declines to criticise the present programmes of the 'A' class stations, but like every reasonable and thoughtful man agrees that there is room for improvement. Of course, there is. The 'A' class companies never have suggested, and do not suggest, that the programmes to which such tremendous attention is devoted are the best that can be framed. And they will never agree to drift into a static condition in which they can be accused of saying: 'Our programmes are perfect: all is well in the world.'

"Broadcasting is essentially empirical and opportunist. It must be. Just as the theatres have passed through many changes in the last decade, so must broadcasting continuously be adapted to the constantly changing tastes of the public, which it must serve. Mr. Brown was, therefore, perfectly correct when observing that the programmes of 'A' class stations will assuredly improve as time passes. Every honest and impartial critic must confess that there has been a definite advance in quality during the currency of the existing licenses. The entertainment furnished the public has gone from strength to strength, despite extraordinary difficulties and mounting charges, which have often made the companies feel that they have been climbing the climbing wave. The public do not yet appreciate the amazing charges which have to be met for patent and copyright fees. Putting on the air an opera and a half during the recent season cost, for example, sixty guineas in copyright alone.

"With the programmes presented, Australians who have gone abroad, and have listened in England or America or the Continent, have not found fault. They have returned impressed with two outstanding facts:



that our Australian programmes are definitely better than those which are put on the air in other countries, and our transmissions compare more than favorably with stations whose names are world known. The fact is, of course, that the Sydney and Melbourne companies have given to their generous patrons the very best that they could command and have established a standard which it is somewhat difficult to maintain, but their slogan has been 'Nothing but the best,' and though of necessity their efforts have not been fully appreciated in some quarters, they have every reason to know that the vast body of listeners have enjoyed the programmes which have been provided."

On the question of the future relationship between the Advisory Council and the "A" class stations, Mr. Wright could offer no statement except to say that they would be of the most amicable and helpful nature. There were a number of matters which had to be cleared up before broadcasting reached the stable footing suggested by the Royal Commission.

"The companies controlling the 'A' class stations in N.S.W. and Victoria," he said, "have already expressed their views in regard to the interference caused by the wave lengths employed by some of the 'B' class stations, but recognise that a reallocation of wave bands can only be made when the whole question of broadcasting is reviewed in its entirety and with particular reference to the creation of relay stations. As to these, the companies have been eagerly seeking for the means to establish them and have consistently sought the co-operation of the Postmaster-General's Department to this end, but, unhappily, without securing a solution of the very intricate problems which are involved.

"The companies have devoted time and money to extensive research work and have asked the Department to provide lines, and the Department has not been able to do this, and, alternatively, to invent a method by which wireless can be employed, and the Department has had to confess that it cannot at present develop a reliable scheme which would provide proper relay stations. In the circumstances it is no fault of the companies that relay stations have not been built. On the other hand, the companies have, by arranging programmes from country centres, tried hard to discover the possibilities of land line transmissions and to accumulate data which would help the Department in its investigations.

"One other point, and it is of primary importance," added Mr. Wright. "Mr. Brown has announced that the Advisory Committee, ap-

pointed by the Federal Government, is functioning. To its care is being committed the future over-sighting of broadcasting, but there is no hint in the statement which he has made, that this committee will give the present 'A' class stations the benefit of the valuable data which it must gather,

or of the equally valuable advice which it should be in a position to tender. It seems somewhat curious and, if we may say so, definitely regrettable that the committee must mark time until July of next year before the great army of listeners can benefit by its deliberations."

## Trained Men In Broadcasting

By RAY DIO

A BROADCASTING Company has a variety of employees. Varying from the principal executive responsible for the general direction of the whole enterprise to programme experts, clerical force and messengers, the staff covers a wide field of occupations. Many people think it is merely a matter of arranging with artists, lecturers, etc., for items to be broadcast, and fitting the items into a programme. Some of the critics are reasonable enough to realise that the programmes have to be arranged and published weeks ahead, but few, apparently, have any complete idea of the multifarious duties that have to be performed and supervised. Apart from the actual management by the directors and the general manager, the work may be divided into three main divisions—programme, clerical, and engineering. Each has its subdivided functions and staff, needing constant attention, and the whole blending into a complete organism, for the purpose of putting a programme on the air every day and every night.

Take the clerical section, for instance; it may not appear to be very important, yet it has many functions, including correspondence with listeners—complaining and approving—applicants for information, and publicity matter, and many other duties that could be set down and elaborated. It is in the engineering section of a station like 3LO or 3AR, Melbourne, that the wireless men are found—skilled and experienced engineers and operators, and in that section there are no women or girls. There are many phases of wireless work—stations on land, on ships, in out of the way places, and so on—but broadcasting takes men from every sphere of wireless experience.

The trained and qualified radio engineers who built the station must necessarily leave much to the control engineers and operators, who keep the station going. In the control room at the broadcasting studio, the

engineer on duty has a continuous and exacting watch to keep on the performances in the studio. And, when the performance is from some outside hall or church, the necessary equipment, microphone, amplifier, etc., must be taken out and operated, and usually in uncomfortable surroundings. At the station the more technical work is found. Sections of the transmitting apparatus have to be tuned, and a constant watch kept to ensure no variation of the wavelength. The extent and variety of the valves, condensers and coils employed is a surprise to many visitors, and generally the station of to-day kept up to a pitch of efficiency comprises plant of quite large dimensions.

The engineers responsible for operating and maintaining the plant and equipment must be trained wireless men, who invariably have obtained their experience on ships' wireless plants. The large majority of wireless engineers have graduated through the stations on ships and on the coast, after their training in wireless schools. That training is valuable, with its lessons of resourcefulness, responsibility and constant application to duty.

There are many phases of the running of a broadcasting service that would each make an interesting story, but not the least is the organisation and methods of the engineering section, touched on lightly in these notes.

ON TUESDAY, October 9, listeners to 3LO will be introduced to the Metropolitan Orchestra, a fine combination of amateur musicians, who, under the direction of Mr. E. Dunbar Carey, have given several very successful symphony concerts in Melbourne, and were warmly complimented on their work in the "A" Grade Orchestral contest at the British Trades Exhibition in March, 1928.



# A State-wide Drive for Radio Talent

**R**ECOGNISING that the success of broadcasting lies in an ever-changing personnel of artists, the New South Wales Broadcasting Company Limited is again carrying out a comprehensive drive for new talent. On this occasion, the Company has decided to cover practically every avenue of its entertainment programmes, in the Radio Eisteddfod to be carried out during the months of October, November and December.

The total prize money runs into approximately eight hundred pounds, and will not alone cover an actual cash distribution at the time of winning, but will ensure engagements to the successful artists over the next six months. The competitions are to cover choral work for Church choirs, mixed choirs and male and female voice parties. Mixed quartettes, soprano, mezzo-soprano, contralto, tenor, baritone and bass soloists.

In the instrumental section, piano-forte, violin and 'cello solos have been included, also contests for brass and military bands, cornet and saxophone

solos, while a further section has also been established for dance bands. On the elocutionary side, radio sketches and plays, debates and impromptu announcing will be catered for. A popular section has also been arranged for vocalists, male or female, comedians, radio revues and entertainers.

An Australian composition section has also been included in the syllabus, when prizes will be allotted for the best original song, best original pianoforte and violin compositions. A feature in some of the sections will be the arrangement of facilities for the winners to make phonograph and player piano records, and these will be ultimately offered for sale through the trade channels with the accruing benefit in royalty to the winning competitors.

Full copies of the syllabus covering the sections that may interest individual artists can be secured by writing to the New South Wales Broadcasting Company, Limited, 96-98 Market Street, Sydney. Entries for all sections will close on October 12th.

## THE CORNER.

("Mintie.")

There is such a precious corner  
In the little sitting room,  
Since we planned it out together  
It has chased away all gloom.

It's a really magic corner,  
And with joy we've learned to know  
All the pleasures and the profits  
Of the dear old radio.

Magic voice on wings of travel,  
Precious voice of 3LO,  
Now we couldn't be without you,  
We have learned to love you so.

We have fixed it up so proudly,  
And it's really there to stay:  
Now the world can entertain us  
In the magic wireless way.

Could we EVER be without it?  
Let us quickly answer, "NO,"  
There's a fairy in the corner,  
And we call it 3LO.

## NEW SOUTH WALES BROADCASTING COMPANY, LTD.

### RADIO EISTEDDFOD—OCTOBER, NOVEMBER, DECEMBER.

#### SUMMARY OF PRIZE MONEY TO DATE, 27/9/28.

Section.	Cash	Eng'mts.	Donation	Palings	Columbia	touch	Master-Roll	Total
1. Church Choir .....	£5	15	Baton	5				£25
2. Mixed Choir .....	£5	15		5	To record			£25
3. Male Choir .....	£5	15	Baton	5				£25
4. Female Choir .....	£5	15	Baton	5				£25
5. Mixed Quartette ..	£3	12						£15
6. Male Quartette ....	£3	12						£15
7. Soprano .....	£2	22						£24
8. Mezzo .....	£2	22						£24
9. Contralto .....	£2	22						£24
10. Tenor .....	£2	22						£24
11. Baritone .....	£2	22						£24
12. Bass .....	£2	22						£24
13. Duet .....	£3	21						£24
14. Champ. Pianoforte	£4	21		5		Player	Roll	£30
15. Piano (Under 16)	£2	9						£11
16. Champ. Violin ....	£4	21		5	To record			£30
17. Violin (Under 16)	£2	9						£11
18. 'Cello .....	£3	12						£15
19. Bands .....	£20	28			To record			£48
20. B Flat Cornet .....	£2	12						£14
21. Saxophone .....	£2	12						£14
22. Dance Band .....	£7	35			To record			£42
23. Radio Sketches ....	£4	24						£28
24. Radio Plays .....	£5	—						£5
25. Debate .....	£4	16						£20
26. Impromptu Announ'r	£3	—						£3
*27. Popular Vocalist ..	£2	18						£25
28. Comedian .....	£2	12						£14
29. Radio Revue .....	£10	40						£50
30. Entertainers .....	£3	18						£21
31. Aust. Song .....	£5	—		5	To record			£10
32. Aust. Pianoforte ..	£5	—		5		Player	Roll	£10
33. Aust. Violin .....	£5	—		5	To record			£10
34. Grand Vocal Chp.	£25	—			To record			£25
	£160	524		50				£734
Public Voting:								
"Evening News" .....	£50	—						£50
	£210							£784

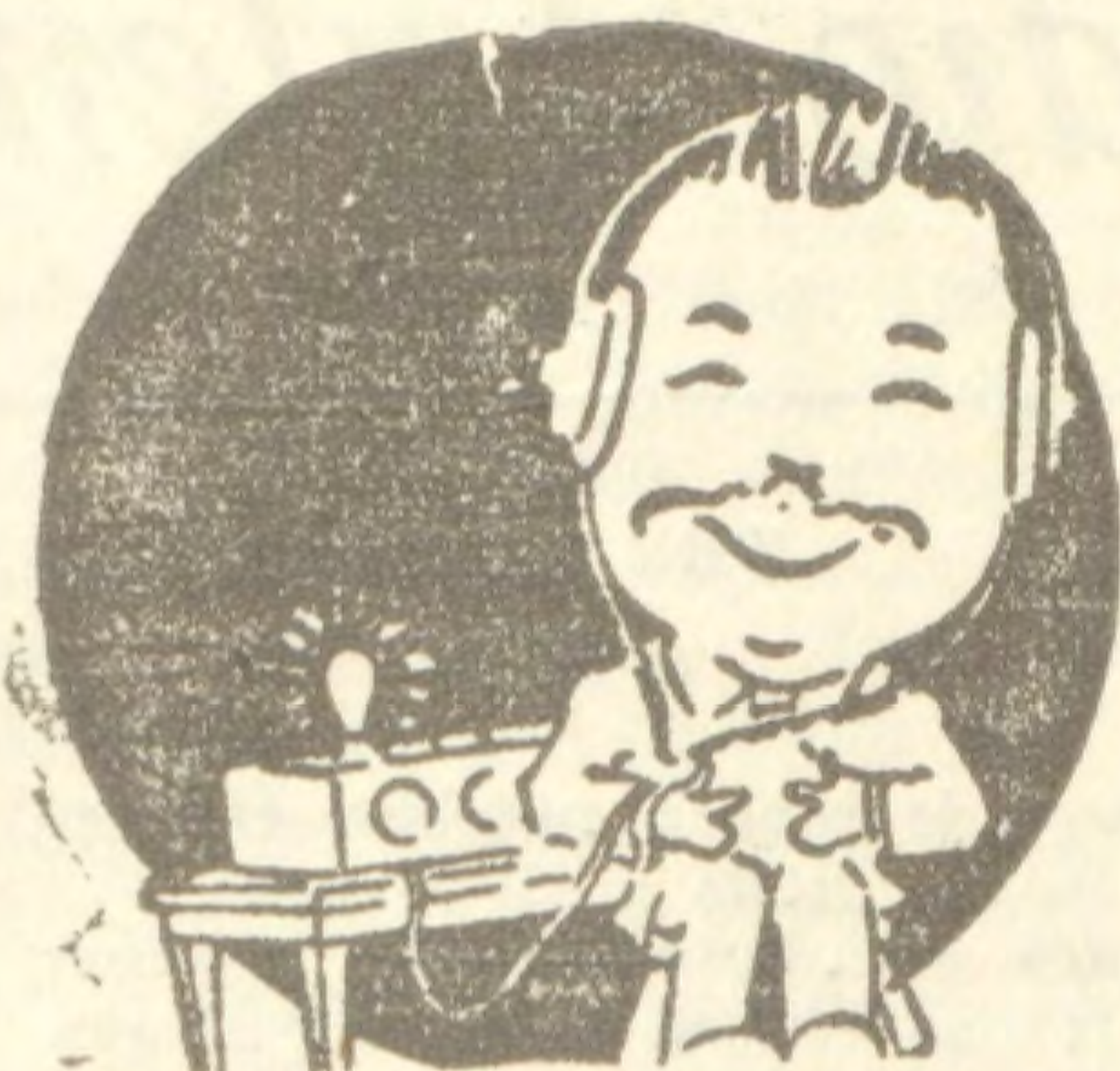
\*Palings will publish the winner's photograph on the song chosen for this Section (No. 27)—"Every Little Thing I do."

OFTEN IT WILL be found that a small fixed condenser of .0005 or .002 mfd. capacity, placed across the speaker terminals, will improve reception considerably. The exact value of this condenser must be found by experiment.

MISS MAISEY BARNETT, the well-known radio artist, was the guest of honor at a musicale, organised by Misses Marjorie Skill and May Nancarrow, and held at the Carrington, Cremorne. All the guests, most of whom are broadcasting artists, brought a china rail ornament in view of Miss Barnett's approaching marriage. Among the company were Mesdames C. C. Faulkner, F. Lee, J. S. Moffat, and B. Newson, Misses Dulcie Blair, Gladys Hart, Mary Neal, Marjorie Plunkett and Gladys Skinner.

STATION WOO, the pioneer Philadelphia (U.S.A.) broadcaster, operated by the John Wanamaker store since 1922, signed off June 1. "Investigations made by special inquiry among radio listeners during the past two years have revealed that broadcasting is not helping the store in general or in an advertising way, hence our decision to discontinue operations indefinitely." Hundreds of U.S. stations, making a similar impartial investigation, are coming to the same conclusion. Maintaining a broadcasting station is a costly operation, and a single retail organisation can no longer justify the expense of running a full time station by the resultant goodwill and sales.





# 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.*

## LOYALTY.

Dear Sir,—There is no need for studio managers to worry about the Children's Sessions. If their evening performances were only up to the high standard of the Children's Sessions studio managers would feel proud of their efforts. I daily hear the respective merits of the Hello Man, Uncle Rus (and Jerry), also Uncle George—discussed by children, and can assure you that the renewal of many licences is due to the loyalty of the children to their favourite radio Uncles.

Yours, etc.,  
K.A.S.

Roseville.

## 4QG BEST.

Dear Sir,—In the last issue of "Wireless Weekly," I read with interest the leading article on the Children's Session.

Of course, we must realise the very difficult task in trying to please the thousands of listeners that you are daily called upon to do, but, judging by the kiddies themselves (I often have them over here), they have no interest in anything but short stories, and more particularly music, and 4QG is the station they want, because there is more music from that station.

I fully realise that, to those kiddies whose names are called on their respective birthdays, it must be perfectly thrilling; but there are only a very small percentage of such children each night, and if some good musical numbers, such as 4QG put over, the kiddies would appreciate it more, I am sure.

In conclusion, I wish to congratulate the company on the excellence of the programmes. They certainly have improved; especially from 2FC is the reception good, but I am afraid that this district is not a good one for the reception of 2BL; it is very weak in the day-time, and distorted at night.

Yours, etc.,  
Coolamon. J. K. STINSIN.

## THE STADIUM AND 2BL.

Dear Sir,—I have been reading with great interest in many of your past issues of "Safety Valve" letters from people objecting to the reception they get from 2BL. Well, I have a six valve Udisco—the poles are 50 feet high, a single wire aerial is used, and an earth wire of two strands of galvanised wire 12 gauge—two feet below the ground—and over a hundred feet long. 2BL are almost faultless. All stations are very clear, and there is no mushiness except when the nights are bad. In my opinion 2BL is the best station operating in N.S.W. If everyone got the same results from 2BL as I do, there would be no complaints whatsoever in "Wireless Weekly."

The broadcasts from the Stadium are good, and the announcer can be followed from start to finish. To close this letter, I might add that if the wrestling is ever stopped again, there will be a very disappointed and dissatisfied chap here, and the radio will hardly be worth listening to on Monday night.

Yours, etc.,  
Wireless Wrestling Enthusiast.  
Curlewis.

## THE CHILDREN'S SESSIONS.

Dear Sir,—I am not surprised that the question of the unsuitability of the Children's Session methods has been raised. I am only surprised that it has not arisen sooner. The psychology of the child mind seems to have been overlooked. You must not strain a child's attention too long. They love variety, vivacity, movement, the dramatic. Why cannot 2FC, for instance, learn from Uncles Ben, Pete, and Ikey of Brisbane?

As things are, there seems to be a lack of enterprise somewhere. The stations do not spend much on the Children's Sessions, do they? That is the solution.

Yours, etc.,  
"GRAFTON."  
Grafton.

## ORSTRAYLYA!

Dear Sir.—Though my letter may not speak of compendiousness, I cannot repress my urgent desire to for-

ward this letter in connection with literary matters.

My complaint, sir, is that radio announcers, in mispronouncing words, are leading our children astray. Only yesterday my daughter came home from school and told me that she did not know the correct way to pronounce "Australia." It appears that at one time, the child was taught to pronounce this word "Orstraylya," but frequent mispronunciation by announcers has had the effect of bringing into vogue the more lazy "Ostralya."

I have heard several other ways of pronouncing this word, yet few announcers ever say it correctly. If we are to pronounce Austria as "Ostria," then we should pronounce Australia "Ostralia." On the other hand, if it is correct for us to pronounce the word "AWstria," that Australia should be pronounced "AWstralia," placing the accent, of course, on the first syllable.

Of course, the term "Ossie" has had a great deal to do with the pronunciation of Australia. Perhaps this explains why announcers say Ostralya. In the same manner some announcers say "England," and others "Ingland."

As an instructor in elocution, I feel that some protest is necessary. For instance, without referring to any special announcer, I was greatly surprised to hear one of them (a well known man) pronounce such a simple word as "compromise" incorrectly.

I can fully understand that a man is not a walking dictionary, and even the best of us are likely to make slips at odd and awkward moments, but frequent repetition of errors leads one to believe that the speaker knows no better English.

That is just an illustration, and is by the way. The question remains, "Which is the correct manner of pronunciation in the noun 'Australia.'"

Others readers' views on the matter may help us to arrive at a definite solution to the problem. As far as I am concerned, I care not whether the word is pronounced "AWstralia," or "OStralia," but I do kick against several pronunciations.

In my capacity as a professional, I find that few Australians can speak correctly—say what you will.

Yours, etc.,  
Sydney. "PROFESSOR."



# 2FC & 2BL

## Coming Features

### in the Programmes

LEO PACKER is producing excerpts from the "Merry Widow" at 2FC, on Wednesday, October 10th. His recent success, "La Mascotte," has left a very pleasant taste in the mouth of the radio critic, whose jaded palate is difficult to titillate, in this day of many diversions.

THROUGH THE COURTESY of J. C. Williamson, Limited, the 1st act of "Student Prince" will be broadcast through 2FC on the evening of Friday, 5th October. Country listeners are anticipating eagerly hearing Beppie de Vries' charming voice once again.

UNDER THE new schedule of hours, 2BL service has been extended from 12.30 to 2 p.m., and during that period a good musical programme is provided. That this innovation is appreciated is amply borne out by the number of letters received from listeners. One writer says: "It demonstrates the New South Wales Broadcasting Company is exploring every possible means to meet public convenience. Carry on the good work between 12.30 and 2 p.m."

DR. T. J. HENRY, who is well known to listeners for the travel talks he has given from 2FC on several occasions, will again be on the air on Friday, 5th October. Dr. Henry has recently travelled round the Mandated Territories of New Guinea, and the Solomons, renewing acquaintance with several islands he had visited before, as well as a number new to him. The doctor does not intend to devote much time to the merely scenic descriptions, but will speak chiefly of the conditions of life, both of the white residents and of the natives. The first talk in his present series will deal with Samarai and Rabaul, while the succeeding talks will speak of a few of the chief centres from the lonely Hermit Islands, almost on the equator, to those of Bougainville and Tuluga, in the Solomons. There will be no attempt to describe a lot of islands, as the speaker's object is to give definite word pictures of conditions on two or three typical islands, rather than to superficially scamper over many.

## New South Wales Broadcasting Company Limited Coming Features of the Week

### 2FC Service

### 2BL Service

#### TALKS

FRIDAY, 5th OCTOBER:

9.5 p.m.—Dr. T. J. Henry:  
"Vignettes of the Pacific Islands."

SATURDAY, 6th OCTOBER:

9.10 p.m.—C. R. Hall:  
"By the Waters of Babylon."

SUNDAY, 7th OCTOBER:

7.20 p.m.—Hon. R. B. Orchard,  
B.E.C.:  
"The Pride of Citizenship."

MONDAY, 8th OCTOBER:

3.45 p.m.—"Pandora": Tea  
Chatter.

TUESDAY, 9th OCTOBER:

9.10 p.m.—Freda Sternberg: Travel.

WEDNESDAY, 10th OCTOBER:

9.5 p.m.—Brunton Gibb:  
"Memories of Kipling."

THURSDAY, 11th OCTOBER:

9.30 p.m.—"Health Week."

FRIDAY, 5th OCTOBER:

7.50 p.m.—Garden Brevities.

SATURDAY, 6th OCTOBER:

7.45 p.m.—"Brings":  
"The Aborigines."

SUNDAY, 7th OCTOBER:

3 p.m.—A Talk on Health Week.

MONDAY, 8th OCTOBER:

9 p.m.—"Health Week."

TUESDAY, 9th OCTOBER:

9.5 p.m.—Hyam Marks: Cricket.

WEDNESDAY, 10th OCTOBER:

9.10 p.m.—S. H. Bowden:  
"Week by Week."

THURSDAY, 11th OCTOBER:

4.20 p.m.—"Radio in the Home."  
Frank Buckell.

#### MUSIC—COMEDY—DRAMA

FRIDAY, 5th OCTOBER:

8 p.m.—1st Act: "Student Prince."

SATURDAY, 6th OCTOBER:

9 p.m.—Harry Graham's Revue.

SUNDAY, 7th OCTOBER:

8.20 p.m.—Vladimir Elin, Baritone.

MONDAY, 8th OCTOBER:

8.16 p.m.—Carlo Ulivi, Basso.

TUESDAY, 9th OCTOBER:

8.10 p.m.—N.S.W. State Military  
Band.

WEDNESDAY, 10th OCTOBER:

9.15 p.m.—"The Merry Widow," un-  
der direction of Leo Packer.

THURSDAY, 11th OCTOBER:

7.35 p.m.—Concert from Liverpool  
Camp.

FRIDAY, 5th OCTOBER:

9.30 p.m.—"Jungle Stories"—E. H.  
Jones and Captain Stevens.

SATURDAY, 6th OCTOBER:

8.17 p.m.—King's Mandoline Orches-  
tra.

SUNDAY, 7th OCTOBER:

8.30 p.m.—Oliver King, Basso.

MONDAY, 8th OCTOBER:

8.15 p.m.—The Four Bright Spirits.

TUESDAY, 9th OCTOBER:

8.15 p.m.—Fraser and His Pierrots.

WEDNESDAY, 10th OCTOBER:

8.37 p.m.—Gwen Neate, Musical En-  
tertainer.

THURSDAY, 11th OCTOBER:

8.25 p.m.—Robert Turner and Tot  
Loudon, Entertainers.

"THE FOUR BRIGHT SPIRITS" continue to live up to their shining reputation, at 2BL. Listeners will, we are confident, accord their performance on Monday, 8th October, another vote of hearty approval.

MR. OLIVER KING has prepared a very attractive recital for his appearance at 2BL on Sunday, 7th October. Mr. King has not only been engaged as principal bass soloist for the Royal Philharmonic Societies in Sydney and Melbourne, and also on classical concert programmes, but frequently appears as a singer of Scottish ballads, of which he made a special study, with Robert Burnett, whilst in Edinburgh. He will include two numbers in his programme at 2BL on Sunday next. He considers that the rendition of Scottish Folk Songs, which are full of alluring charm, is a natural training in interpretation and expression. The Music Club Movement which has recently been launched, and of which Mr. King is founder and president, promises to mark an epoch in the history of the musical life of Australia.

IN THE THIRD TALK of his series, Mr. C. R. Hall delighted his

listeners with an eloquently alliterative sentence: "The Bazaars of Baghdad—far-famed, fascinating and filthy!" It is in the bazaars of the modern Baghdad that one hears the cities' voice, continued Mr. Hall. "Long, low tunnels, they are, which keep out the intense heat and keep in the confusion of smells and odors and noises. There is the strong smell of the leather bazaar, where shoes are made and leather is dressed. There is the pungent odor of the Shorja bazaar, where the air is filled with all the spices of Araby. There is the incessant clamor of the coppersmiths, beating out waterpots and the gentle tap-tap-tap of the silversmiths, shaping anklets and ear rings and jewelry. And then there is the food shop—the pickles and sweetmeats. And silks, and satins, and cottons. Antiques, bricks from Babylon; tablets from Nineveh, brassware from Ispahan. And throngs of people from almost every nation under the sun, Bedouins from the desert, overburdened coolies, veiled women and squalid urchins, and a confusion of tongues to out Babel Babel!" Vivid word pictures of the magic East, Mr. Hall's talk, "By the Waters of Babylon," on October 6th, will find a large air audience.



# 3LO Service

## What's in the Air in Melbourne?

JAMES HILL, whose fine baritone voice will be heard from 3LO on October 8, is already well known as a concert singer in and around Melbourne, and had the distinction of being supporting artist to Mme. Evelyn Scotney when she toured Australia. He completed his vocal training under the veteran musician, Benno Scherek, and in 1915, carried off four championships at the A.N.A. competitions. He has sung several times with the Melbourne Philharmonic Society, his last appearance in "The Damnation of Faust," September 25, winning the warm praise of all concerned.

FEW MUSICAL instruments are so accommodating as the mouth organ. It is easy to carry, not very difficult to learn, and, in the hands of an experienced player can be made to represent anything from a full symphony orchestra downwards. 3LO have secured fifty of the famous crackerjack mouth organs for distribution among their young listeners, and all boys under fifteen who would like one of these splendid instruments should write in to 3LO, giving their age, name and address, and mark their letters "Crackerjack Mouth Organ." The closing date is noon, October 13, after which the drawing will take place, the names of the first fifty being judged the prize winners.

THAT VERY excellent combination of vocalists, "The Harmonists' Quartette," are included in the programme from 3LO on October 10, and, with melodies, old and new, will make a wide appeal. The Harmonists are old friends to a great many listeners, who, apart from hearing them over the air, had the opportunity of seeing them in many fine atmospheric prologues at the Capitol, including "Beau Geste" and "The Volga Boatman," where, for the first time in their lives, they sang in Russian. All are finished soloists, Tom Masters (1st tenor), Horace White (2nd tenor), James Fraser (1st bass), and James Scott (2nd bass), have all won their spurs on the professional field, and give ample proof of their artistry each time they are before the microphone.

### EXTRACT FROM 3LO PROGRAMME

#### SUNDAY, OCTOBER 7:

11.0 a.m.—Morning Service from Wesley Church.  
8.40 p.m.—Elsy Treweek, Soprano.  
9.7 p.m.—Cecil Parkes, Violinist.

#### MONDAY, OCTOBER 8:

12.20 p.m.—Community Singing from Assembly Hall.  
2.48 p.m.—Althouse and McCallum.  
8.10 p.m.—Policy Speech of Rt. Hon. S. M. Bruce, from Dandenong.

#### TUESDAY, OCTOBER 9:

12.30 p.m.—Marcelle Berardi, Soprano.  
2.45 p.m.—Fred Blufft, Comedian.  
9.56 p.m.—One Act Play, "The Difference."

#### WEDNESDAY, OCTOBER 10:

12.53 p.m.—Johnston's Studio Boys.

9.7 p.m.—W. A. Somerset, "Shipwrecks in Australian Waters."  
9.50 p.m.—Elsy Treweek, Soprano.

#### THURSDAY, OCTOBER 11:

4.27 p.m.—Huxham's Serenaders.  
Night.—Radio-Aces, Dance Programme.

8.36 p.m.—Leslie McCallum, Flute.

#### FRIDAY, OCTOBER 12:

3.12 p.m.—Frances Fraser, "Goldsmith and His Love Story."  
9.2 p.m.—"The Mandolians."

10.0 p.m.—Eric Welch, "The First Day of the Caulfield Cup Meeting."

#### SATURDAY, OCTOBER 13:

Afternoon.—Descriptions by Eric Welch of the Races at Caulfield.  
8.50 p.m.—Record Feature of the Week.

8.52 p.m.—Description of the Stadium Events, by Eric Welch.

THE PROGRAMME for the Children's Hour on October 9 is to be arranged by Miss Eileen Pascoe Webb, whose talented pupils are now well known to young listeners. These clever little artists have been most successful in the competition world, both as solo performers and as a juvenile concert party, and as Miss Pascoe Webb, with her wide experience in training young people, knows just the type of programme which will appeal to children, her concert for the 9th should be greatly enjoyed.

MISS ELSY/TREWEEK, who has been delighting South Australian audiences with her rich and excellently trained soprano voice, has now returned to 3LO, where she will be heard in a series of final recitals before she leaves for England to fulfil some important contracts. She often recalls the fact that, as a small child she would insist on singing a song which ended on an unusually high note. "I was always asked to sing my little ditty whenever guests were present," she said, "and I couldn't understand why they should be so convulsed when I sailed on my high 'C,' but I know now." However, Miss Treweek has more than fulfilled the promise of her early youth, and listeners must not only feel proud of their gifted countrywoman, but delighted at this opportunity of hearing her once again before she leaves Australia.

A MOST INSTRUCTIVE and entertaining lecture will be given from 3LO on October 9 by the Rev. W. N. Gunson, Lecturer in Public Speaking to the University Board, who will take for his subject "Old Medieval Guilds." Present-day readers will be interested to know that these old English Guilds—from which the present-day Trade Unions have evolved—held great sway in the Middle Ages—owned many acres of land which now form most of the suburbs of greater London, and which yield an immense revenue. Among the better-known Guilds may be mentioned The Goldsmiths, The Silversmiths, The Haberdashers and The Silk Mercers, and this talk on their history and development will be followed with keen interest.



Miss Kookaburra (Miss Hazel Maude), who delights Children with her beautiful stories during 3LO's Bedtime Hour.



**FRASER AND HIS PIERROTS** promise something unusual in the way of radiocast entertainment at 2BL, on Tuesday, 9th October. A well-thought-out show, with many quartet numbers to break away from the rather monotonous solo, and a goodly sprinkling of the spice of humor which will go a long way toward brightening that hour after dinner for work-weary folk.

**EDITH KILMINSTER**, a Sydney pianist, who has studied much in Germany during her long absences in that country, and in America and England, will give a recital at 2BL on the evening of 9th October. Miss Kilminster's work is clear, decisive, and of advanced style in tone production. "The Times" (London) says: "Miss Kilminster's powers are too considerable to be allowed to pass unnoticed."

**MR. BRUNTON GIBB** will take for the subject of his talk on Wednesday, 10th October, "Memories of Rudyard Kipling." 2FC listeners appreciate the unusual style Mr. Gibb has adopted in handling this series. He does not dwell unduly on the life of the poet, but after a short precis gives outstanding examples of works—early, and more mature. On Wednesday evening he will speak of the origin of Kipling's Christian name; his education, and the first newspaper appointment at Lahore. His many publications, and his amazing versatility, concluding the resume with his present activities.

**VLADIMIR ELIN** is appearing regularly at 2FC, during his short sojourn in Sydney. Mr. Elin is professor of singing at the Manilla Conservatorium, and during his career has sung leading roles on the stage of the celebrated Maryinsky Theatre at Petrograd. He is a thoroughly artistic singer, and has made a decided impression in musical circles in Sydney. His voice is of admirable quality, fine resonance and unusual range. Excellent control, and a well-managed mezza voce are also qualities which enable Mr. Elin to add to a perfect diction much expressive color and perfection in interpretation. He proposes to give three classic song recitals at the Conservatorium, in the near future, which will provide a rare musical treat for Sydney concert goers. It is interesting to note, Mr. Elin met recently in Sydney a brother-in-law of the famous composer Rimsky-Korsakoff, whose features so closely resemble his brilliant relation, it is a very easy matter to commit a mistake in identity. This close resemblance to one of merely a technical relationship is rather remarkable.

**THAT THERE** is something about big game hunting that appeals to all youngsters between the ages of seven—and seventy—is evident from the big mail which flowed in after the exciting adventures recounted by Mr. F. C. Jones at 2BL studios recently, and in response to many requests, another "night in the jungle" is to be staged at 2BL on 5th October. Perhaps the success of this feature is that all those associated with Mr. Jones in the story have had actual experience of big game shooting in the wilds. He himself was a hunter of lions in Central and South Africa; Captain Stevens has been a "shikari" in India and West Africa, while "Uncle Bss" has proved his prowess in the jungles of Malaya. Vivid atmospheric effects are introduced, such as the roaring of the lions, howling of dogs, the chanting of natives round the camp fires, etc., which all tend to heighten listeners' interest, and when the announcement is made, "We are leaving the jungle, and will now return to the studio," they really feel they have come back from the wilds.

**HARRY GRAHAM**, who presented his Snapshots Revue Company for the first time "on the air" at 2FC last Saturday, has received many letters of appreciation from listeners. Judging by the tone of these letters, the speed at which the Revue was presented has been very much to their liking, which proves Mr. Graham achieved his object in endeavouring to eliminate dreary waits between items. As he points out, the listener to a broadcast revue has nothing to entertain him between items. In a stage presentation there are a number of things—music, change of scenery, lighting, etc., to gladden the eye, but these, of course, are missing in broadcasting. Many residents particularly will remember Harry Graham and Dorothy Manning in their association with the "Follies" there, where a record season of forty weeks was played. They have had extensive theatrical experience, and to use Mr. Graham's words: "We only have to appear in Grand Opera and the circus, and we will have sampled EVERY branch of the entertainment business." Listeners to 2FC will be entertained with further "Snapshots" on Saturday, 6th October.

## 3LO's Sporting Notes

**ON SATURDAY**, October 13, the important spring race meetings will be well under way, and on that day the V.A.T.C. Caulfield Cup Meeting will open at Caulfield. This year there is no clashing between the last day of the A.J.C. Meeting in Sydney and the first day of the V.A.T.C. Meeting at Caulfield, as is often the case, and, consequently, it is expected that a greater number of horses will be in Melbourne for the racing on that day than is usually the case. A special train will be run from Sydney on the Sunday night following the last day of the A.J.C. Meeting, and horses with engagements in Melbourne will be carried free by it. The V.A.T.C. is defraying the expense of the train. As it is likely that Limerick will make the trip to Melbourne, it may be possible that he will make his re-appearance in Melbourne on October 13, in the weight for age Caulfield Stakes. With the likelihood of seeing Mollison competing in the Caulfield Guineas, and the best of the two-year-olds in the Debutant Stakes, the meeting will be full of interest. 3LO Melbourne will be represented at the meeting by Eric Welch, who will describe all of the races and give interesting sidelights on the records of the champions who will be running. With the Caulfield Cup down for decision on the following Saturday, listeners will obtain some idea of the chances of

the cup horses from the running of the races on October 13, and Mr. Welch will refer at length to the form of the cup horses who run on that day.

**THE VISITING** English cricket eleven will have its first match in Australia for the season when it meets Western Australia at Perth on Saturday, October 13. Arrangements have been made by 3LO Melbourne to broadcast the progress scores of the match during the afternoon. As Perth time is two hours behind Melbourne time, the first scores will not be broadcast until about three o'clock, Melbourne time.

**ROD MCGREGOR** will be at St. Kilda on Saturday, October 13, to describe the cricket match, St. Kilda v. Hawthorn-East Melbourne. On that day the second round of matches in the Pennant competition will be started, and the match at the St. Kilda Cricket Ground will be the most important of the round.

**AT 10 O'CLOCK** on Friday night, October 12, Eric Welch, 3LO's Special Sporting Commissioner, will broadcast his selections for the first day of the V.A.T.C. Caulfield Cup Meeting. The meeting practically opens the important Spring racing carnival in Melbourne, and the good horses which will be racing at Caulfield will invest the meeting with a great deal of interest to listeners.



# 3AR Studio Notes

LOVERS of literature should enjoy the talk given by the Rev. William Bottomley during the Education Hour from 3LO on October 11, when the "Scarlet Letter," by Nathaniel Hawthorne, will be discussed.

THE MANDOLIANS, that clever band of performers that were heard recently over the air, are broadcasting from 3LO on October 17, and will present a varied programme of Spanish and Neapolitan airs. Under the baton of their organiser and director, Mr. Alfred Davidson, The Mandolians, with banjo, mandolin and Spanish guitar, achieve some very harmonious effects—the richness of tone being greatly enhanced by the mando 'cello, which is by way of being first cousin to the violin 'cello, and is an instrument all too rarely used nowadays.

A SERVICE of interest to a great number of listeners is the broadcasting each night by 3LO Melbourne of a description of one of the wrestlers at present in Australia. In view of the fact that Ted Thye, the light-heavy-weight champion wrestler of the world, will defend his title early in October in the West Melbourne Stadium, the wrestling game has become even more interesting to listeners, and the broadcasting of the descriptions of the wrestlers is a feature which is greatly appreciated, especially by those outback who are unable to see the wrestlers in action in the ring.

MR. H. K. LOVE, whose Friday talks on "Technicalities" have proved such a boon and a blessing to hundreds of wireless fans, has more questions asked him in a week than the average person has in a year. People regard him, and rightly so as quite an Encyclopedia on wireless matters, and queries from the most elementary to the most intricate reach him by every mail. Few people are more competent to deal with all classes of radio maladies—nothing is too great a trouble for him to straighten out—and more than one listener, who now enjoys perfect reception on his home-built set, owes this pleasant state of affairs to the expert advice of Mr. Love.

ON SUNDAY, OCTOBER 7th, 3AR will broadcast the Pontifical High Mass from St. Ignatius Church, Richmond, at 11 a.m. The ceremony will be presided over by Cardinal Cerretti, the Mass will be conducted by the Right Rev. Dr. Ryan, Bishop of Sale, and the preacher will be the Rev. Father Martindale, English envoy to the Eucharistic Congress. During the afternoon the ceremony of the blessing of the new spires will be performed and an address given by the Papal Legate. A choir of sixty picked voices will render the Mass from "The Sacred Heart," and the "Hallelujah Chorus" will close the ceremony.

FOLLOWING its early policy of decentralisation, 3AR has made arrangements to broadcast a concert from Wonthaggi on October 8th. A very excellent programme has been arranged of vocal, orchestral and elocutionary items, and a most enjoyable evening's entertainment is promised.

THE SERIES of midday services arranged by the Rev. Norman G. Dunning, M.A., will be broadcast from the Theatre Royal by 3AR, when the sessions will be run as follows: "The Cross," October 8th; "The Resurrection," October 9th; "The Incarnation," October 11th; and "Christian Discipleship," October 12th.

A FEAST OF English music will be broadcast from 3AR on October 7th, when some excerpts from the familiar "Maritana" will be given. Orchestra selections will be rendered by the Brunswick City Band, under the direction of Mr. Hugh Niven, and the Radio Merrymakers headed by Mr. Graham Burgin will be heard in vocal quartettes, duets and soli.

THE SUNDAY SCHOOL Anniversary in connection with the Aberfeldie Methodist Church, Waverley-street, Essendon, will be held on October 7th, at 7 p.m., an appropriate address will be given by Mr. Horace Book, and the orchestra, under the direction of Mr. J. A. P. Sutherland, with Miss Eunice Francis as pianist will be heard in selections throughout the evening.

HUNDREDS OF young people are keenly interested in the series of talks which are being given from 3AR in connection with the learn to swim week, under the auspices of the Royal Life Saving Society. The next talk will be given on October 11th, and will outline the aims, objects and work of the society, and put forth some very sound arguments as to why everybody should be an active member of the "Learn to Swim" campaign.

AN ORGAN RECITAL by Mr. C. E. Monteath, will be broadcast by 3AR from St. Peters, Eastern Hill, on Saturday, October 13th, and should be greatly appreciated by all lovers of really first-class music. The organ at St. Peters has been in the hands of the builders for the last past few weeks, and is in better tone than ever. Mr. Monteath enjoys a great reputation as an organist in both England and Australia, and will be heard at his best.

INTERESTED LISTENERS are reminded that the next programme of dance music will be broadcast from 3AR on October 9th by Ned Tyrrell and his Radi-o-Aces, who are well known to listeners as musicians whose melodies set every foot tapping and charm the most reluctant dancer out of his shell.

LOVERS OF GRAND OPERA will be glad to learn that the second part of the studio version of "La Traviata" will be heard from 3AR on October 11. The production is under the direction of Madame Elsie Davies, who will sustain the principal soprano role, assisted by Miss Ina Lillycrap, Messrs. John D. Sullivan, Charles Evans and Thomas B. George.

FRIDAY, OCTOBER 12, is Ballarat Night at 3AR, when the community singing sessions from the Trades Hall will be broadcast. The programmes from Ballarat are always enjoyable, the audience under the baton of Mr. Bert Humphreys sing excellently, special soloists are engaged, and no effort is spared by our Ballarat friends to maintain their proud position as leaders of community singing.

SOME DELIGHTFUL programmes are being presented just now by the Huxham Serenaders from 3AR, who, with quartettes, duets, and solo numbers, are making such a wide appeal. Hugh and Edith Huxham will be remembered by many readers for the many successful seasons at St. Kilda, where they reigned supreme as the premier concert party of Australia. They have an extensive repertoire, their excerpts from the tuneful Gilbert and Sullivan operas being particularly pleasing.

THAT TENSE LITTLE one act play, "The Thief," will be produced at 3AR on October 10th, when a thrilling quarter of an hour may be anticipated. The production is under the direction of Miss Dulcie Hall, who, in addition to doing much good work with the J. C. Williamson Co., has been successfully associated with the vaudeville stage, both in England and America. Just now when many people are keen on wrestling, it is interesting to hear that when Miss Hall was touring the United States, she was supporting partner in a comedy-jiu-jitsu act with the famous wrestler, Ad Santel.



# The Wireless Doctor's Prescriptions

**SENSITIVE TELEPHONES** are a necessity in short-wave work, but they usually cost a great deal of money. By boring a small hole in the centre of the diaphragm of a cheap pair of telephones, these will become more sensitive, as they will vibrate with greater ease. The hole should be made with a fret-work drill, and the burred edges should be gently smoothed off with a piece of fine sandpaper. Care should be taken to see that the diaphragms are not bent during drilling. The telephones may be made more sensitive by filing down the whole surface until it is very thin.

**THE ORDINARY** pocket voltmeter may be easily made into a panel instrument by first removing the back cover (which, with the aid of a screw-driver, will slip off easily), and boring a hole through it. A metal thread screw is passed through this, and the lid fastened on again. If necessary, the head of the screw should be filed down, so that it does not make contact with the moving arm, or with the electro-magnet inside the meter. A hole is now drilled in the panel, to take the instrument, and, if desired, the leads from the voltmeter may be taken to two convenient terminals.

**BY USING** ordinary electric-light flex as a cat's whisker, one is certain of finding at least one good spot on the crystal. The frayed ends of the wire should be spread out, in order to cover the entire surface of the crystal.

**SCREEN GRID VALVES** require radio-frequency transformer having a high primary impedance, in order to give the high amplification of which they are capable. This means that the transformer primary should have about the same inductance as the secondary. Less selectivity, but equally good amplification, is obtained with impedance coupling, using a single coil common to both the plate circuit of one valve and the grid circuit of the next.

**HOW TO TEST** your newly-built receiver.—When a radio enthusiast has built a receiver, he often finds some little unknown fault is impeding the set from functioning correctly. With crystal and one-valve sets, there is not much to test, but with sets using radio, detector, and audio stages, the wiring becomes

somewhat complicated to the amateur. In order to find in which stage the trouble lies, first remove the radio stage valves, then place the tips of your telephones across the primary of the first audio transformer. If reception is O.K. for one valve here, this shows your detector stage is in working order. Next plug in the 'phones at the last audio stage. If reception is not as it should be, place the 'phone tips across the primary of the second audio transformer. This should give you two-valve strength. If, so far, reception is O.K., you will know the trouble is in the radio stages. To test these, place your aerial lead to the grid of the first radio valve, and, if signals on local stations are received O.K., test other radio valves in the same manner. The volume on local stations will not be increased by the radio stages, as these are intended to boost up DX signals. If the trouble is found to be in the radio stages, you may listen to local stations at good volume by connecting the aerial to the top of the primary detector coil, and the earth to the bottom, or last, turn of this coil. The trouble may be found in the valve, R.F. transformer, spacing of components, or incorrect wiring.

**WHEN SOLDERING** to lugs on fixed condensers, transformers, and the like, a wet or damp rag should be placed over all but the part to be soldered, as the heat of the iron will, in the first case, melt the wax that insulates the sheets, whilst, in the latter case, the soldered connections inside the transformer may be loosened.

**TO OBTAIN** maximum service from your dry "A" batteries, the rheostat must always be left in the "off" position, when the set is not in use, or the batteries should be disconnected from the receiver entirely. Even the use of a switch does not prevent a small amount of current flowing through, for the two points of most radio switches, being so close together, allow a certain amount of current to pass. This can easily be seen with a galvanometer. Do not use more battery current than is necessary—in other words, turn up your filament rheostat only enough to get good results. It is also harmful to your valves to use too small "A" current on the filaments. As the "A" batteries get older, it will be necessary to turn the rheostat further on, to cut out some of the resistance.

**A MICRO-CONDENSER** can easily be made at home from two old condenser plates, or two half-pennies. If the former are used, first cut them down to the size of a half-penny, then drill a hole in the centre of each. Now put a long metal-thread screw through them, and file down the head until it is almost level with the half-penny face. Two brackets should next be made, which should stand about 2-in. high. A thread is put through the upper part of each bracket,  $\frac{1}{2}$ -in. from the top, and the two screws holding the half-pennies put in. If the half-pennies are not held securely by the screws, they should be neatly soldered. Two ebonite terminal tops are then screwed to the ends, and the brackets mounted an inch apart. To vary the capacity, micrometer control is possible by screwing one of the half-pennies either away or towards the stationary one; whilst, if faster operation is desired, the two may be used at once, in opposite directions.

**VERNIER CONTROL**, with ordinary dials, is possible by the use of an umbrella ring and a length of ebonite rod. The panel should be drilled, in order to take the rod, and the rubber ring slipped over the rod. A bracket support holds the inside of the rod, whilst that end holding the rubber ring is mounted with a suitable dial. The rubber ring is fitted to press firmly, yet lightly, against the tuning dial.

**IF MISS ESTELLE MARK**, the leader of the Estelle Mark Trio, had not come to Australia, it is doubtful whether Margot Sheridan, the gifted young Australian pianiste, would have made such rapid strides in her profession. Before she joined the Estelle Mark Trio, she studied the piano, together with the art of composition and accompaniment, under Waldimir Seidel, afterwards obtaining a position in connection with one of the leading music stores of Australia. As fate would have it, Miss Mark called at the shop one day to "try out" some new numbers, and was so impressed by the touch and technique of the young accompaniste, that she immediately suggested that Margot Sheridan should become a member of the Trio. Since linking up, Miss Sheridan has found time to act as accompanist at the Vocalion Studios, and to compose many dainty trifles which she intends to introduce to listeners during her broadcasting season.



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## Parts for Amplifiers

as described in this week's issue.

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1 MF. Condenser, 1000 volts, 5/3  
100,000 ohm. Resistors ... 2/-  
Philmore ½ meg. Gridleaks, 1/-  
Aerovox ¼ meg. Gridleaks . 2/-  
A.W.A. Super Audio Chokes,  
Price ..... 18/-  
Radiokes R.F. Chokes ... 8/6  
Pollock's R.F. Chokes ... 5/6

De Jur 400 ohm. Potentiometers.  
Price ..... 4/6  
Brachstat Filament Ballasts, 4/9  
2 M.F. Condensers, 500 Volt, 5/6  
2 M.F. Condensers, 1000 Volt,  
Price ..... 7/-  
Engraved Bakelite Terminals.  
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Aluminium  
Screening Panels.  
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# EFFICIENCY IN AUDIO AMPLIFICATION.

*What is an Audio Amplifier? Although many listeners are familiar with the term they have only a hazy notion of its correct application. The Audio Amplifier is that portion of the receiver which changes to audible frequency the radio frequency impulses after rectification. Whether this is done to the best advantage depends entirely on correct design. This article deals briefly on the essentials requiring most attention in a modern Audio Amplifier.*

WITH the advent of better high-mu valves, reliable resistors and high-voltage socket-power operation, the resistance-coupled method of amplification once more comes into its own as a means of obtaining excellent tone quality, together with ample volume.

In the first place, the all-important thing with resistance coupling is to employ high-mu or high amplification valves. To-day there are several available for this very purpose, such as the UX-240, with a mu (or amplification constant) of 30 as compared with about 7 for the usual 201-A type. Furthermore, up till quite recently the high-mu valves available were of the order of 20 mu. Therefore, the present high-mu valves give 50 per cent. greater step-up effect, which is essential in a system in which the amplification is solely a function of the valve itself, without the step-up transformer to help out, as in transformer-coupled amplification.

The second consideration is the use of proper resistances, not only in the matter of correct values, but particularly in stability of operation. Resistance coupling is particularly susceptible to changes in resistance, which alter the results and sometimes introduce serious noises. For this reason it is essential to employ metalized resistors which alone are capable of providing accurate and lasting resistance values, even when handling considerable currents, without danger of resistance changes to cause noises.

The third consideration, and one of great importance, is to have sufficient plate voltage available. It is generally overlooked in resistance coupling that the plate voltage impressed on the plate of the valve must pass

through the plate-coupling resistor, the value of which is usually 100,000 ohms and over. In the case of the 30-mu valve the plate coupling resistor is 250,000 ohms. Obviously, to overcome this high resistance in the circuit and still have sufficient voltage to operate the valve efficiently, it is

## Parts for Resistance Coupled Amplifier.

- 2-Pilot UX valve sockets.
- 2-.01 Electrad or T.C.C. fixed condensers.
- 1-A.W.A. super audio choke.
- 1-Radiokes R.F. choke.
- 2-.25 megohm resistances.
- 2-.1 megohm resistances.
- 1-400 ohm Potentiometer.
- 1-2mfd. T.C.C. fixed condenser.
- 1-Amperite.
- 13-Terminals.

## Parts for Push-Pull Resistance Coupled Amplifier.

- 4-Pilot UX valve sockets.
- 4-T.C.C. 1 mfd. fixed condensers.
- 3-.1 megohm resistances.
- 2-.5 megohm resistances.
- 2-.25 megohm resistances.
- 2-8000 ohm resistances.
- 8-Terminals.

necessary to start out with sufficient voltage, preferably 180 volts, on the plate coupling resistor, or the maximum voltage tap of the usual radio power unit. If B-batteries are employed, there should be four blocks of 45 volts each and of the heavy-duty type to provide the necessary current over a long period of service.

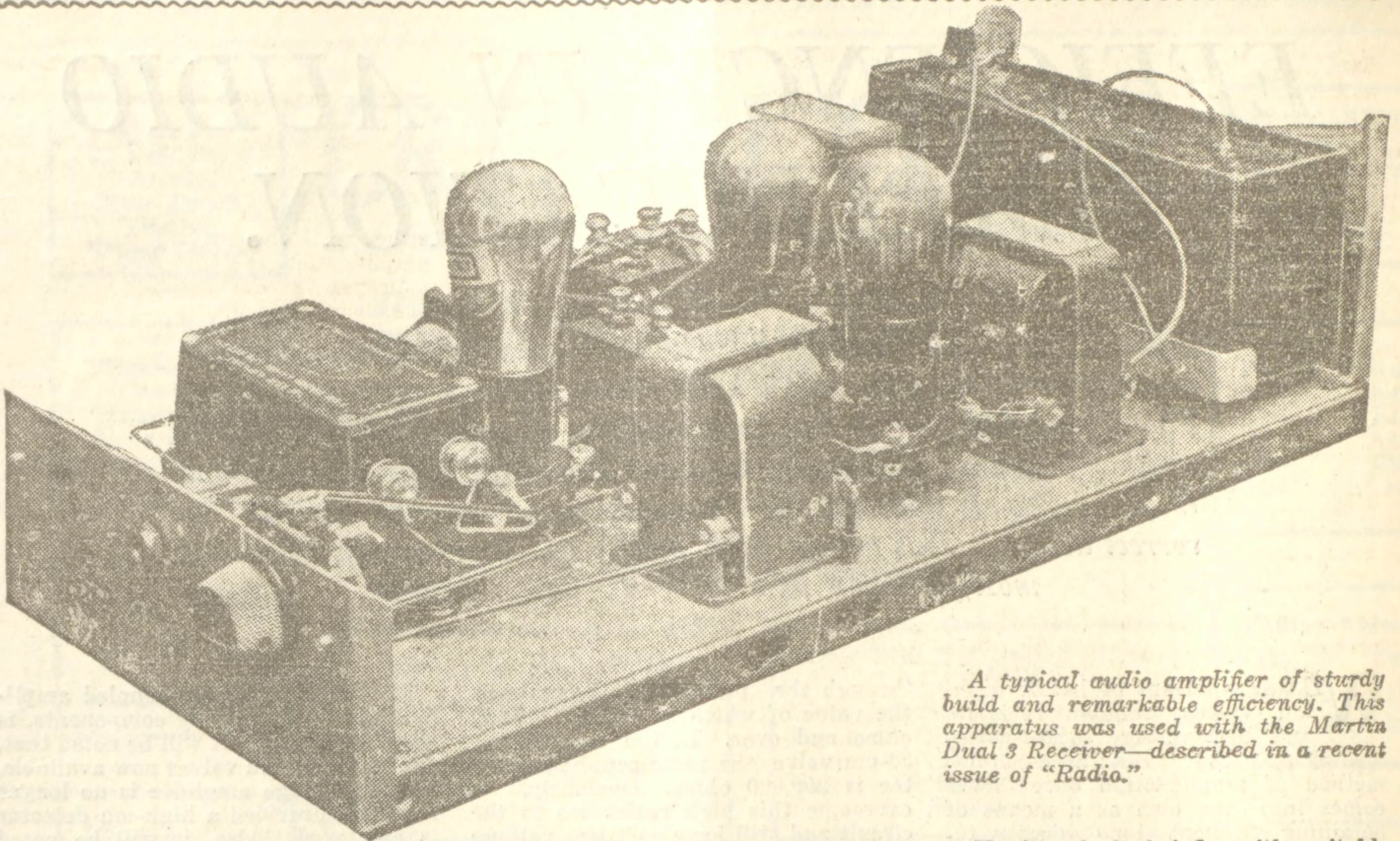
The ideal resistance-coupled amplifier, using present-day components, is shown in Fig. 1. It will be noted that, due to the 30-mu valves now available, the three-stage amplifier is no longer required, provided a high-mu detector is employed. Also, it will be noted that a speaker filter is employed, preferably in the form of a choke coil and series condenser arrangement, so as to introduce no distortion, and also in order to keep the direct-current component out of the loud-speaker. The speaker filter serves to provide the maximum voltage on the plate of the power valve, since the plate current does not have to flow through the high-resistance winding of the loud-speaker as is the case when the latter is connected directly to the amplifier output.

The resistance values here given are based on tests, and do not run as high, in the case of the grid leaks, as those specified for the present high-mu valve. While there is a slight loss in volume, which is certainly not noticeable, there is better assurance of ample grid leakage so as to avoid any possibility of "blocking" or the piling up of successive signals.

The layout shown in Fig. 1, comprising a mu-30 valve for the detector, a mu-30 valve for the first stage, and a 171 or 210 type of power valve for the second stage, will provide as much volume as the usual transformer-coupled amplifier, and with a tone quality noticeably better than even the best of transformers. What is more, this method of amplification provides the highest quality of rendition, in conjunction with a good cone speaker.

The use of a high-mu detector valve serves to obtain considerable amplification as well as signal rectification.





*A typical audio amplifier of sturdy build and remarkable efficiency. This apparatus was used with the Martin Dual 3 Receiver—described in a recent issue of "Radio."*

A 3 megohm metallized resistor should be employed for the detector grid leak, in combination with a .00025 grid condenser.

For those seeking enormous volume together with a remarkable depth and detail, resistance coupling presents many interesting possibilities in conjunction with present-day high-voltage socket-power operation. In Fig. 2 we present an interesting development in the way of a powerful push-pull amplifier with excellent tone quality in conjunction with a good cone-speaker capable of handling the full volume. Indeed, this amplifier provides the volume of a small orchestra, with a realism that is quite startling, even to the blasé radio enthusiasts. The cost of this amplifier is surprisingly low when compared with the necessary array of push-pull transformers and split choke coils and impedance units required with transformer or impedance coupling. With resistance coupling employed in this manner, we remove the possibility of overloaded valves and therefore the last vestige of distortion in power amplification.

The diagram is virtually self-explanatory. All resistors are of the Metallized Resistor type, of the values indicated in megohms, except where followed by the ohm sign. The 8000 ohm resistors should be capable of standing a considerable amount of current. Because of the power handled with this amplifier, none other but reliable metallized resistors can be employed. It will be noted that the plate current must be supplied by a radio power unit capable of supplying 425 volts for the 210

valve plate supply, while the filaments of these large valves operate on  $7\frac{1}{2}$  volts raw A.C. One UX-216-B rectifier will be rather heavily taxed if made to supply two 210 power valves, and the plate voltage is apt to drop down below the necessary value in operating these valves at proper efficiency. A UX-281 rectifier, substituted for the usual 216-B, will help out in this connection. However, for best results the radio power unit should have two 216-B or 281 rectifiers arranged for full-wave rectification, and supplying ample plate voltage and current for the operation of two 210 power valves.

By changing the C battery to 45 volts and the plate voltage to 200 volts, with the output plate resistors of 5,000 ohms each, good results will be obtained with two 171 valves in place of the 210 valves, for those who must operate on B batteries or on moderate voltage radio power units.

While the values given in our diagrams have been found highly satisfactory, there is considerable room for variation. In fact, there is considerable latitude here for experimental work, with the reward in the form of marvellous tone quality and volume. The components are so low in cost that anyone can play with this latest form of amplifier.

Incidentally, in Fig. 2 we have not indicated the filament supply current, but the first stage valves are of the UX-240 type, operating on 5 volts of battery current, while the two power valves are operated on  $7\frac{1}{2}$  volts raw A.C. if of the 210 type, and 5 volts raw A.C. or battery, if of the 171 type.

Having dealt briefly with suitable audio amplifiers, we will now deal with a subject in which most readers will be at once interested. One of the troubles that usually lie in the path of those seeking ideal radio rendition is "motorboating." By that picturesque term is meant that form of low-frequency oscillation due to the high internal impedance of the usual radio power unit, for motorboating is seldom encountered with B-battery operation. Furthermore, motorboating is particularly troublesome when using resistance-coupled or impedance-coupled amplification. The put-put-put sound of the loud-speaker when the set is motorboating is ample cause for calling this trouble "motorboating," even though there is no pleasure connected with it.

Now without going into the whys and wherefores of motorboating, since these are pretty generally understood to-day, let us plunge right into the practical details of the matter, in the hope of finding some relief for the victims of motorboating.

To begin with, the simplest cure, of course, is to operate the receiver in whole or in part on B-batteries. That is a blanket prescription, but hardly an acceptable cure in these days of socket-power radio, when most of us are anxious to eliminate all batteries, if possible. Nevertheless, a simple means of preventing motorboating is to preclude the interaction between successive stages of amplification, and the obvious method is to use a B-battery for the detector alone, while the remainder of the set continues to operate on the B-eliminator. Some



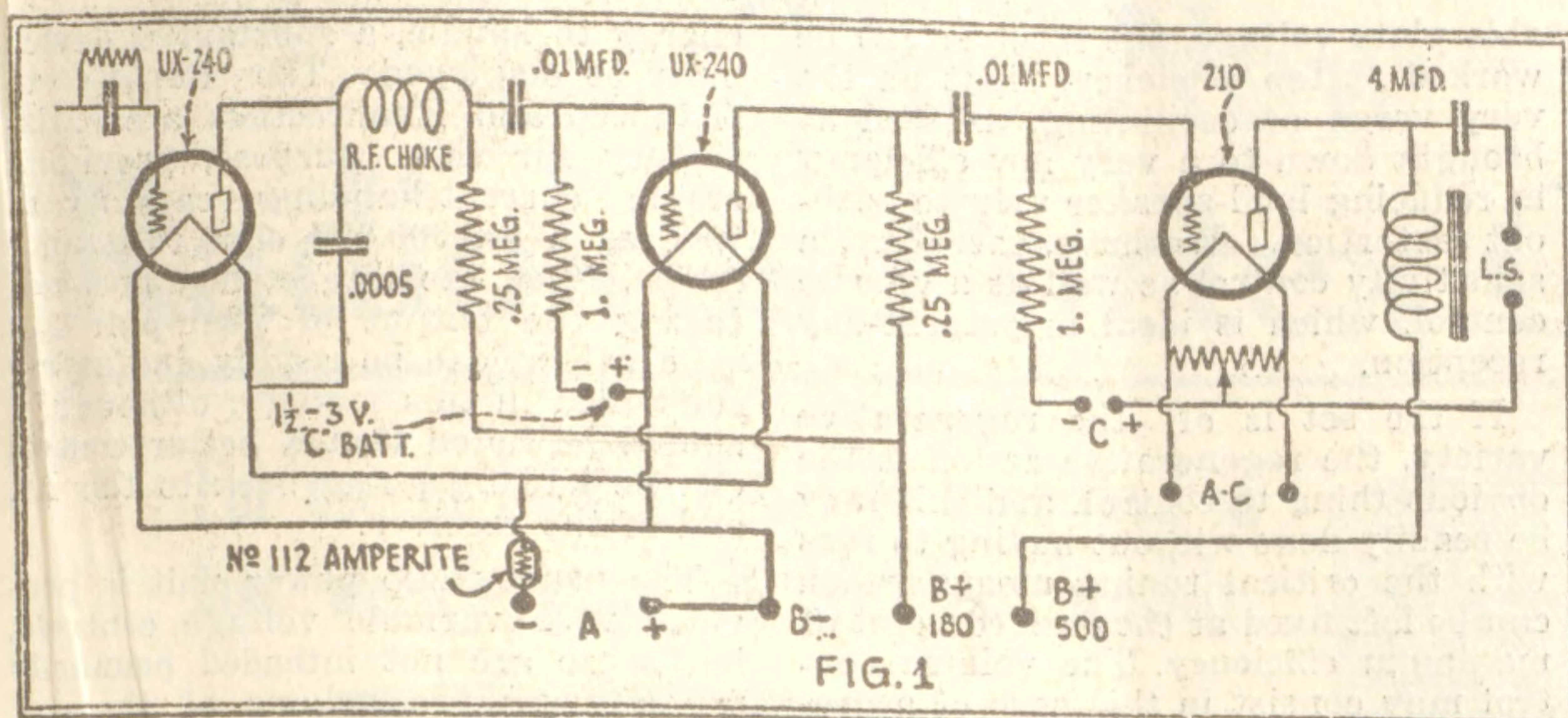


FIG. 1

experimenters even go so far as to operate the entire r.f. end, including the detector, while the audio amplifier remains on socket power. The battery, in such a case, is still subjected to considerable drain, therefore requiring frequent replacement and adding considerably to the cost of operation. Furthermore, motorboating may not always be cured by this expedient, since we still have interaction in the audio amplifier end where trouble is most apt to develop.

Another general means of combating motorboating is to add capacity to the B-eliminator filter circuit. The usual B-eliminator sold at moderate price is often apt to have insufficient capacity for the last condenser, with the result that this "reservoir" or "tank" condenser does not perform as a sufficiently effective electrical fly-wheel to compensate for the uneven drain of fluctuating signals. Consequently, there is an unsteady flow of current which may set up motorboating. The remedy here, obviously, is to add capacity. This may be done externally, by adding the capacity across the minus B and plus B terminals. B-eliminator designers generally do not recommend more than 12 mfd. for this additional capacity, and in our own experiments we have noted no worthwhile gains beyond that value. Obviously, the filter condenser added to the B-eliminator should be of sufficient working voltage rating to handle the maximum output voltage of the unit, hence the low-priced, by-pass condensers are not recommended for this purpose.

In studies on motorboating, it is found that the most common source of trouble is the coupling between audio stages, including the detector, due to (1) Common B or C leads; (2) high resistance of run-down B-batteries or the normal high resistance of most B-eliminators. Another common source, in the case of resistance or impedance coupling, particularly the latter, can be traced to leaky coupling condensers. The practice of many designers and manufacturers of impedance and resistance coupled am-

plifiers to employ paper condensers is to be seriously discouraged, as we are dealing here with audio or, so to speak, hearable currents. Leakage, therefore, becomes a source of extraneous noise, particularly in the case of the powerful amplifier. Mica condensers should be used, and since low values, especially in the case of resistance coupling, give excellent results, there is no real excuse for employing paper condensers.

Then we have found some motorboating, due to open circuits and loose contacts. Sometimes there is an open C or B lead to a valve, or again a loose resistor in the clips, and so on. These things should also be checked over for possible motorboating, and particularly for extraneous noise.

The C bias on all valves requiring biasing is also an important factor.

So much for some of the most likely causes of motorboating. Now for the remedies.

It has long been known that resistance of a precise value and inserted in the proper place, is a likely cure for motorboating. However, the resistance value has to be accurately determined through first-hand experiment, for the resistance that will work in one circuit will not work in another. Furthermore, the resistance value must be so critical that devices working in steps, even if the steps are small, may not be capable of providing the critical resistance value. Once more, the resistance must be

noiseless, without loose discs or conducting particles to introduce extraneous sounds.

In combating motorboating in either resistance or impedance coupled amplification, the first step is to place a proper variable resistor in place of the usual grid leak in the last audio stage, so as to secure the proper leakage. This will also serve as a volume and, to a certain extent, a tone control. The same thing may be repeated in place of other grid resistors in the amplifier.

Another remedy is to place a variable resistor in the C (or grid) and B (or plate) lead of one valve after another, beginning first with the detector valve and then the succeeding audio valve. In this case one must make sure to by-pass the energy from the valve side of the variable resistor (whether through the grid resistor or the plate resistor) to the nearest filament terminal of the valve, by means of a 1 mfd. by-pass condenser.

In certain forms of amplifiers, we have found it helpful to connect a variable resistor between the plate of the first amplifier valve and the grid of the second, or again between the plate of the first and the grid of the last or power valve. In the case of transformer coupling it sometimes aids the tone quality to place a variable resistor between the plate of the detector and the grid of the power valve, with a very high resistance setting.

Of course, the coupling condensers in resistance coupling and impedance coupling, if of paper, should be tested with high voltage current and telephone receivers in series, for signs of leakage. Mica condensers can generally be taken for granted as being entirely satisfactory.

All in all, then, motorboating is not serious to cure, provided we have the necessary tools and sufficient patience to try one thing after the other until the cause of the trouble is wiped out.

Following on the cures for "motorboating," a final advisory description of methods of volume control will provide in this article a wealth of useful information on audio amplification. Several years ago, the main thing was how to obtain volume, irre-

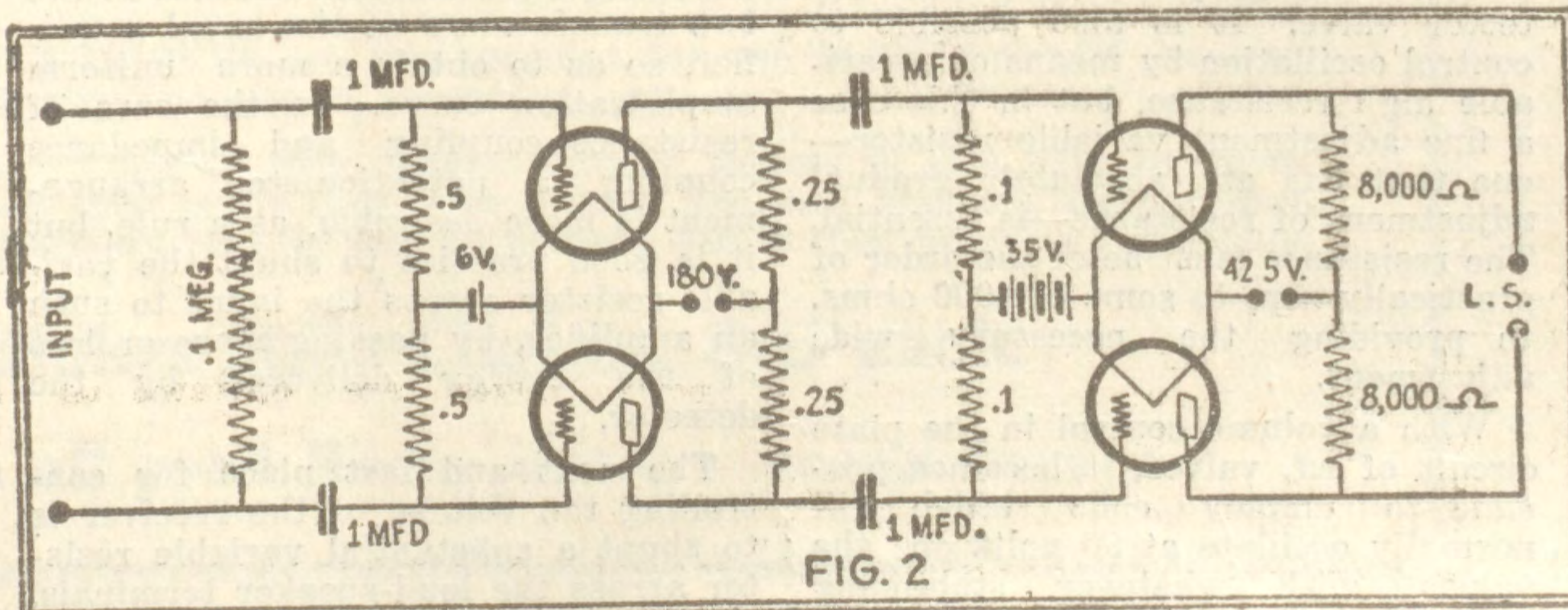


FIG. 2



spective of tone quality. To-day, most sets are capable of producing more than ample volume, so that the main aim is to cut down the volume when desired, without sacrificing tone quality.

Let us bear in mind at the very start of our discussion on volume control, that the radio receiver is a collection of delicately-balanced circuits—or at least it should be so, if the best results are to be obtained. The values of inductances are usually quite critical, so that any change in the inductance of one circuit may unbalance the receiver and result in distortion. For this reason, therefore, the volume control should be of the non-inductive type so that there will be no change in inductance value as the result of a change in resistance.

The cardinal principle in controlling loud-speaker volume, aside from the use of a non-inductive resistance, is to begin as soon as possible in the receiving process. In other words, the nearer the aerial end that the control is put into effect, the better the results and the simpler the control; and vice versa, the nearer the loud-speaker end, the more energy must be handled by the variable resistance and the more likelihood of distortion.

The simplest volume control is a variable high resistance in the antenna lead, which serves to cut down the signal energy, and is of real value especially when intercepting powerful local stations. Sometimes the variable high resistance may be shunted across the aerial and earth terminals of the set. At any rate, with a suitable non-inductive variable resistor, a simple and undistorted volume control is obtained for any receiver. The resistance range must be from practically zero to several million ohms in the case of the resistor placed in the antenna lead, which appears to be the better of the two arrangements.

Now, if we do not control the energy at the very entrance to the wireless set, the next procedure is to control it as soon as possible in the radio-frequency or r.f. stages. Here the best practice is to place the variable resistor in the plus B 90-volt lead, so as to control the plate current of the radio-frequency valves, and, therefore, the energy passed on to the detector valve. It is also possible to control oscillation by means of a variable high resistance, but in this case a fine adjustment variable resistor—one that has an absolutely gradual adjustment of resistance—is essential. The resistance must be of the order of practically zero to some 500,000 ohms, in providing the necessary wide adjustment.

With a volume control in the plate circuit of r.f. valves, it becomes possible to employ coils which will normally oscillate at 90 volts on the valves, with whatever stabilizing method may be used. Then, with vari-

able plate voltage, the receiver can be worked at top efficiency, right on the very verge of oscillating, as well as brought down to a very low efficiency in reducing loud-speaker volume without distortion. We have, therefore, a sensitivity control as well as a volume control, which is ideal in present-day reception.

If the set is of the regenerative variety, the regenerative action is the obvious thing to control, and this may be readily done without having to fuss with the critical tuning means which can be left fixed at the desired point of maximum efficiency. The volume control may consist in this case of a precise variable resistor of at least 0 to 500,000 ohms resistance, shunted across the terminals of the reaction coil. If desired, the set can be tuned to full oscillation, with the variable resistor serving to by-pass more or less of the feed-back energy in getting down below the oscillating point with razor-sharp precision. This is a most popular method of controlling regeneration, and likewise volume, especially in the critical short-wave receivers.

The non-oscillating detector may also be controlled by means of a variable high resistor in the plate lead, especially if 90 volts is applied to the detector so as to have plenty of margin in cutting down to the desired volume. Most of the present-day detector valves being of the high-vacuum type, work best with higher voltage than the former soft or gassy detector valves.

So far, we have been dealing with minute currents, so that a light-duty variable resistor can be employed, provided it maintains its adjustment without fluctuation to cause noisy reception. There is no reason for employing the larger, heavier and more costly variable resistors for such applications.

In going into the audio-frequency field of reception, we begin to encounter real power. Still, the volume can be controlled at the secondary of the first transformer, by means of a variable resistance volume control shunted across it. This variable resistance has the further advantage of matching up the characteristics of the two transformers of the usual amplifier, so as to obtain a more uniform amplification curve. In the case of resistance coupling and impedance coupling, a potentiometer arrangement is more desirable, as a rule, but it is good practice to shunt the variable resistor across the input to such an amplifier, by passing more or less of the energy delivered by the detector.

The next and last place for controlling the volume of the receiver is to shunt a substantial variable resistor across the loud-speaker terminals, and since there is often considerable

energy to handle, a substantial device must be employed. The Royalty resistances and Emmcostads are satisfactory for this purpose, providing ample current-handling capacity as well as a 0-5,000,000 ohm resistance range. Even the largest loud-speaker, taking the output of push-pull 210 type valves, can be readily and safely controlled in this manner, although it should be noted that a better control can be had by going back to the r.f. end of the receiver.

The usual radio power unit is provided with variable voltage controls, but these are not intended primarily for altering the volume of the set. They are meant to establish a balance with the circuits and the tubes of the receiver. Once that balance is attained, these controls should be left alone. Other means of volume control should be employed in the receiver itself or at the loud-speaker, as above outlined.

#### SPORTING RESULTS FROM 5CL.

In view of the importance of the Saturday afternoon sporting results, it has been decided that they will be broadcast from 5CL on Saturday evenings, at 6 p.m., 7 p.m., 7.45 p.m. and 10 p.m.

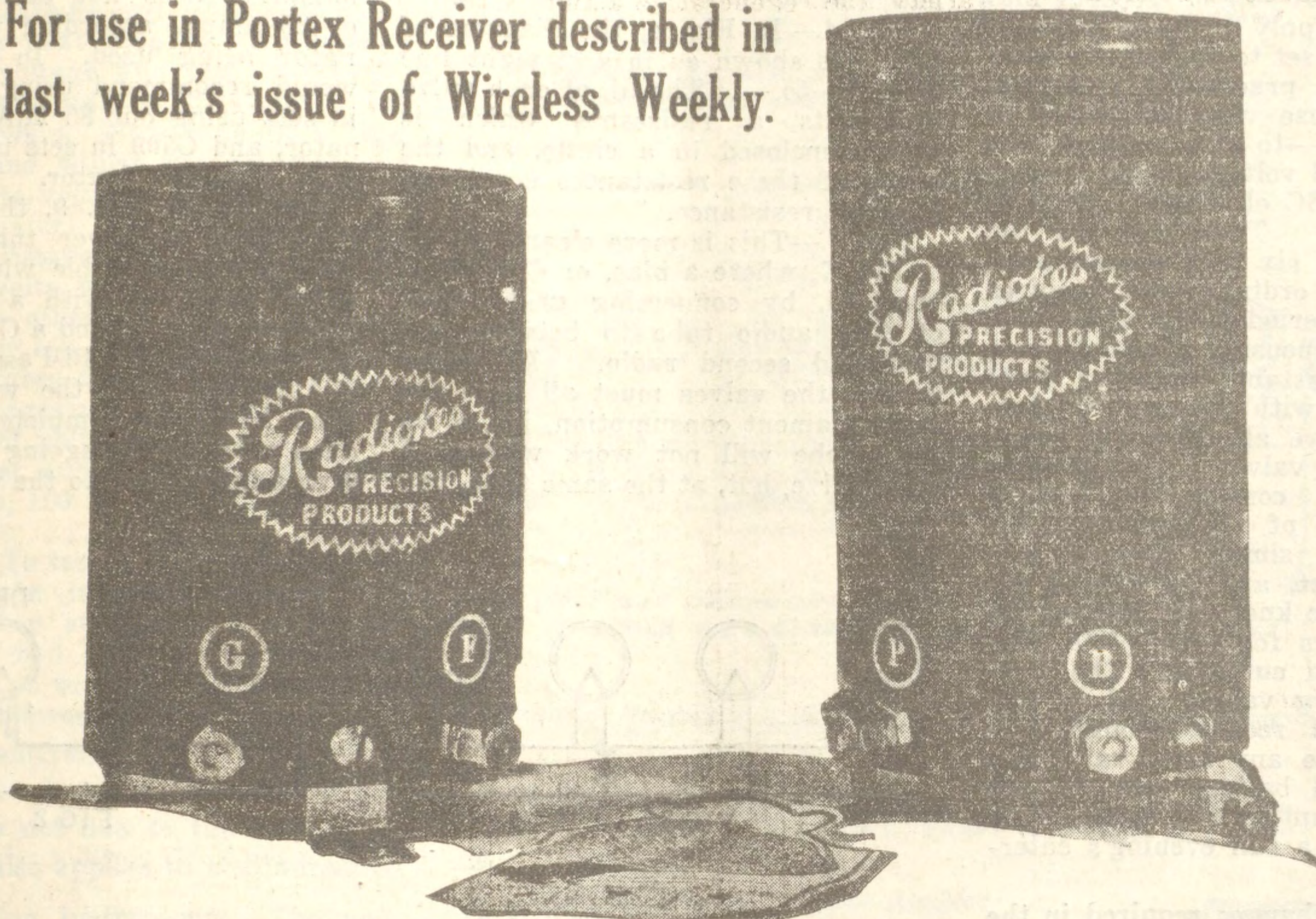
THE CO-ORDINATED system of broadcasting makes it possible to bring about the much desired interchange of artists. Since 3LO became actively associated with 5CL, many famous broadcasting artists have been transferred to 5CL, in exchange for Adelaide artists, who have been greatly appreciated in Melbourne. Miss Margery Walsh, the popular Adelaide soprano, has been booked for a season at 3LO, Melbourne, to commence towards the end of the year, whilst Miss Molly Mackay, the young Gippsland lyrical soprano, who was "discovered" by Walter Kirby, is to come to 5CL from 3LO, to take Miss Walsh's place in the programmes.

"THE KING'S" RIFLEMEN entertained: While the big shooting match of the year is in progress, nightly entertainments are arranged at Liverpool Camp, and on 11th October, a concert party of 2FC artists under the direction of Charles Lawrence will hasten the foot of time for the men who are occupied with much sterner business during the day. Mr. Lawrence, who had charge of the party last year, and who is a general favorite, both on and off the air, promises listeners a good night's fun "quite apart," he naively adds, "from the artistic worth of the programme." He promises to go warily, however, bearing in mind the significant fact that his audience are good shots.



# The New Radiokes Portex Coil Kit

For use in Portex Receiver described in last week's issue of Wireless Weekly.



This represents the latest development in Kits for semi-portable receivers, and is a production of which the manufacturers of Radiokes are proud.

Quite small, the illustration shown is approximately life size, and of very high efficiency—this Kit is eminently suited for use with the popular screen-grid type tubes.

The windings are dopeless, and are carried out in brilliant green silk covered wire, on 'formers of highest grade polished bakelite, which is machined with micrometric precision.

This accurate construction makes for correct and permanent characteristics; and the workmanship and materials place these Radiokes products second to none in the world.

Set builders realise the value of Radiokes precision craftsmanship, and stick invariably to our famous trade mark and perpetual guarantee. New fans coming into the field are advised by their older experimenting friends, to play safe and always buy Radiokes, remembering that the house of Radiokes is at your service.

## This New Portex Kit sells for 25/-

RADIOKES RADIO FREQUENCY CHOKES are also specified for use in this splendid receiver, because of their high efficiency, small size, and ease of assembly.

It is the wish of "Wireless Weekly" that all their readers achieve success in sets built by them, and are satisfied and are kept satisfied—that is the main reason that Radiokes products are specified, for the technical staff realise that Radiokes manufacturers will stand behind their products perpetually.

### Price of Radiokes R.F. Chokes, 8/6 each.

**Obtainable from all good Radio dealers everywhere**



# Batteryless Power

By C. TURNER

(Chief Engineer Electricity Meter Co. Ltd.)

TO dispense with ALL batteries for ALL time—to supply direct from your light socket into your set—to supply A, B and C power to enable your set to operate for hour after hour at practically negligible cost—to dispense with all worry in radio reception—to give uniform current unchanged voltage—that is what the Emmco ABC eliminators make it possible to do. They eliminate the heavy four or six volt accumulator, which, on the ordinary set, requires re-charging periodically; they dispense with expensive dry batteries, with their constant replacing cost; they do away with the dry "C" battery, and, above all, they allow you to use power valves in multi-valve sets without considering battery cost. Either of the Emmco ABC eliminators is simply plugged into the light socket, and, by simple adjustment of the knob, you control the correct voltages for your plate, filament, and grid currents. The Raytheon rectifying valves used in this eliminator will rectify enough current to operate any multi-valve set, and your total battery cost for the current consumption will be less than one penny for a full evening's entertainment.

The simple changes required in the wiring of your receiver, to adapt it, may be easily accomplished. These are fully explained in the diagram, and instructions. Particulars for installing a power tube with this type of eliminator will be found under the heading of "How to wire the set." Conversion of Set Wiring for "ABC"

## Eliminator Operation.

Fig. 1.—In Fig. 1 is shown a rough diagram of the principle of the ordinary set wiring, where the filaments are lit by an accumulator or dry batteries.

Fig. 2.—In Fig. 2 is shown a typical example of the series filament wiring, which is used in conjunction with the "A.B.C." eliminator. A study of this diagram will show that the "A" minus filament goes through the filament of all the other valves before it reaches the "A" battery supply again, at the "A" plus end.

Fig. 3.—The filament wiring should then be carried out on the system shown in Fig. 3. It is necessary to take the "A" minus lead to the detector first, as this is the most sensitive portion of the circuit, as regards picking up a.c. hum, and this

tendency is materially lessened when the detector is at the lowest, or earth, potential.

Fig. 4.—In Fig. 4, the diagram of Fig. 3 is shown as in a straight line from A—to—. The fil of each valve represents a resistance which is shown enclosed in a circle, and the whole of these resistances constitute a series resistance.

Fig. 7.—This is more clearly shown in Fig. 7, where a bias, or C volts, is obtained, by connecting grid return of first audio tube to between the first and second radio. In series wiring, the valves must all have the same filament consumption, i.e., a .06 amp. tube will not work with a .1 amp. valve, but, at the same time, you

can use 3-volt and 6-volt valves together, so long as their filament consumption does not exceed .06 amp. or 25 amps., according to the eliminator being used. In general, we would recommend using A609 tubes in sets using our 85 M.A. type eliminator, and C509 in sets using our 350 M.A. type eliminator.

Fig. 9.—In Fig. 9, the method of connecting a power tube is shown. This is only possible with our eliminator, equipped with a power tube filament winding and a C bias control.

Adjustment of Bi-Pass Resistance.—Assuming that the wiring of the Stad has been completed in accordance with the foregoing instructions, give a final check to the wiring, using

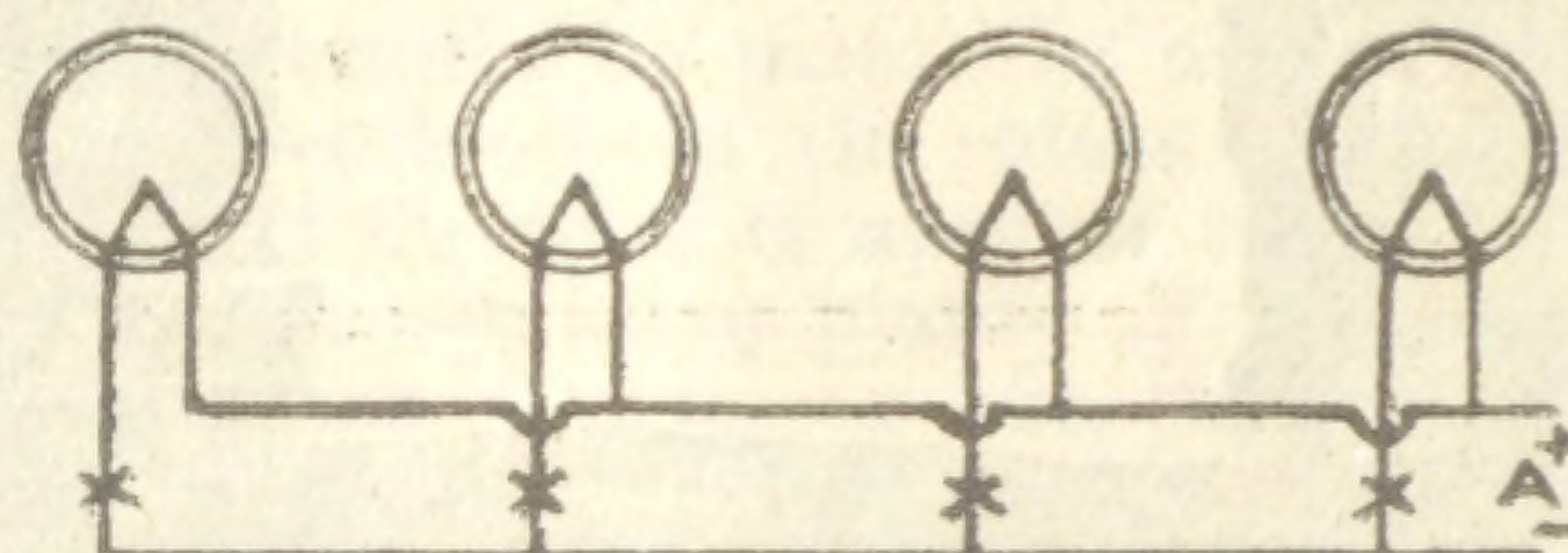


FIG-1

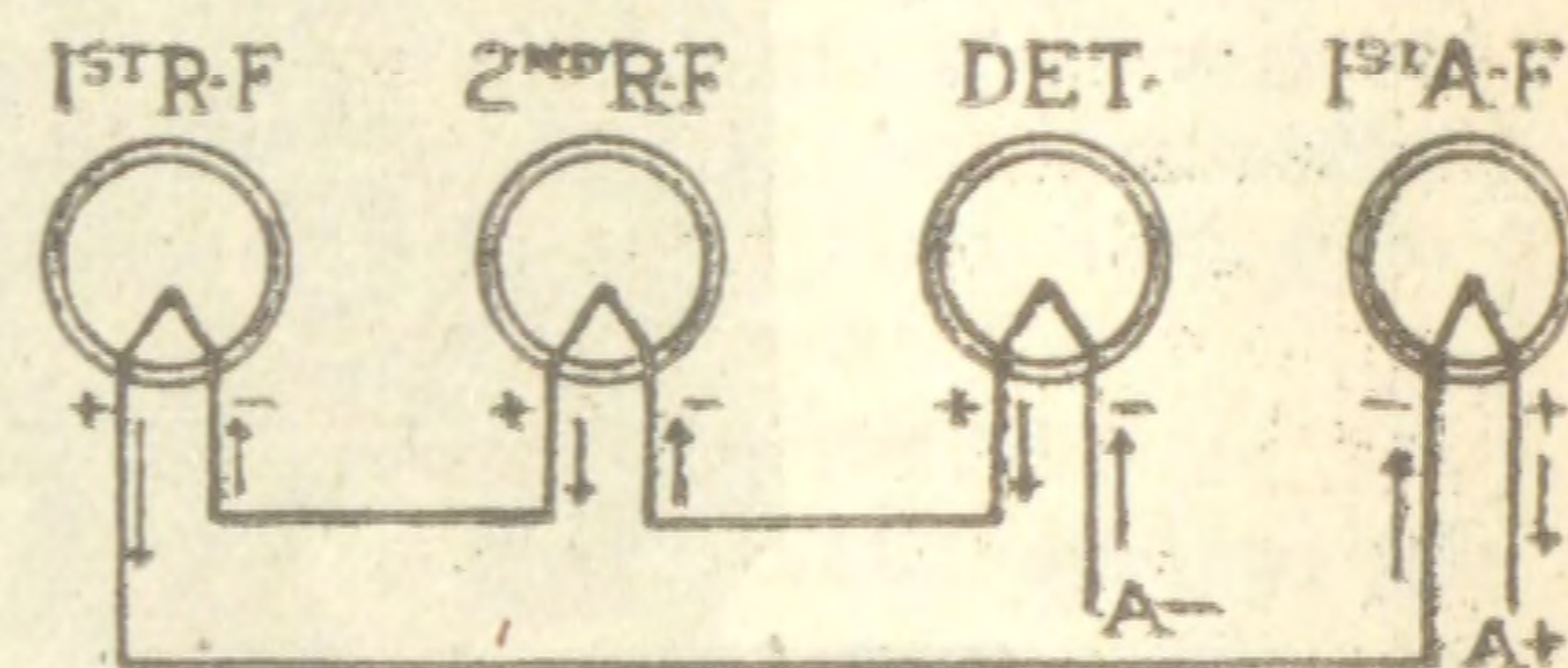


FIG-2

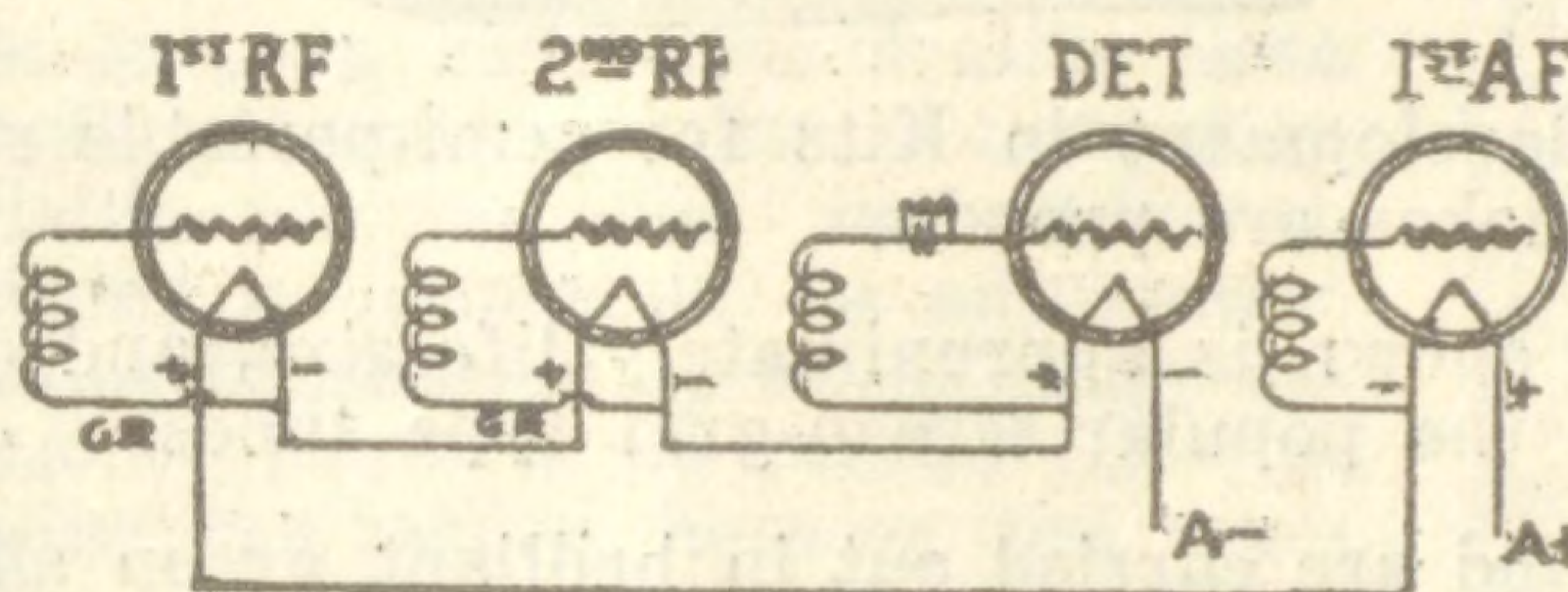


FIG-3

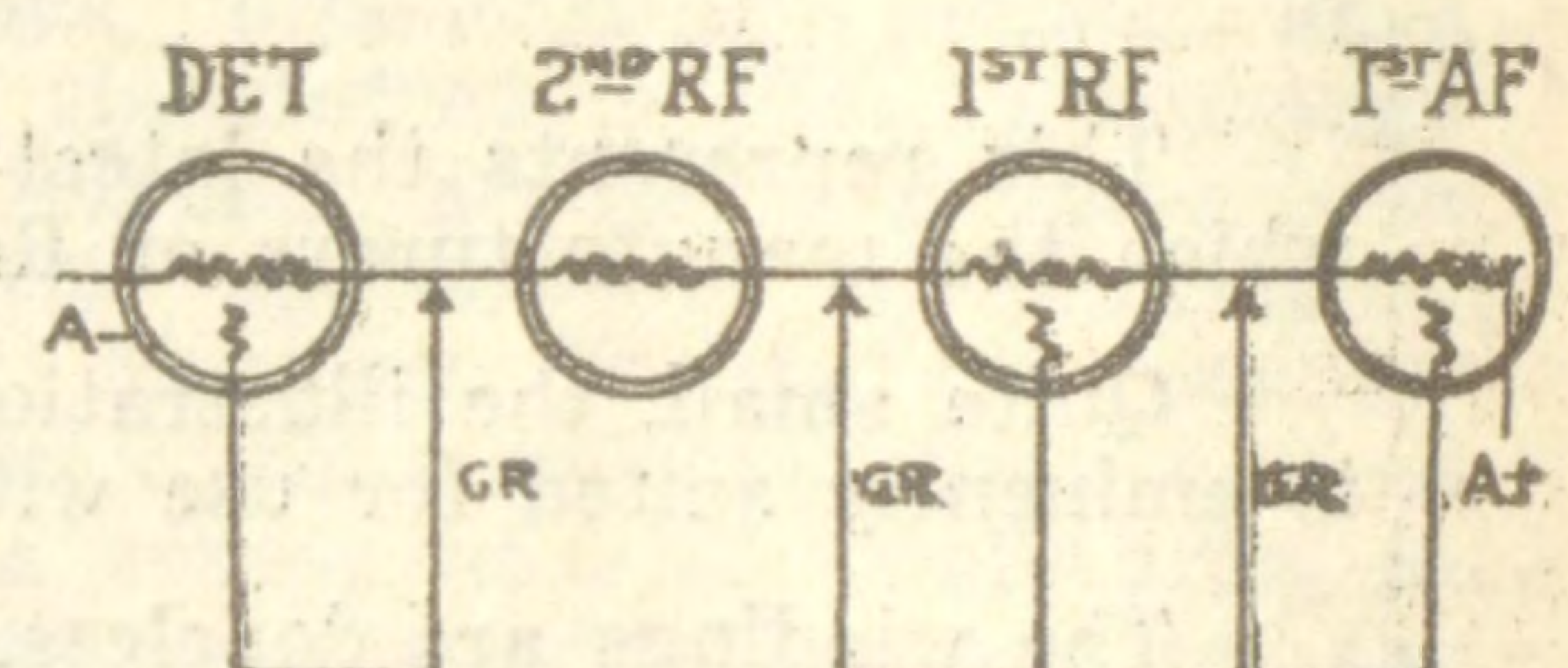


FIG-4

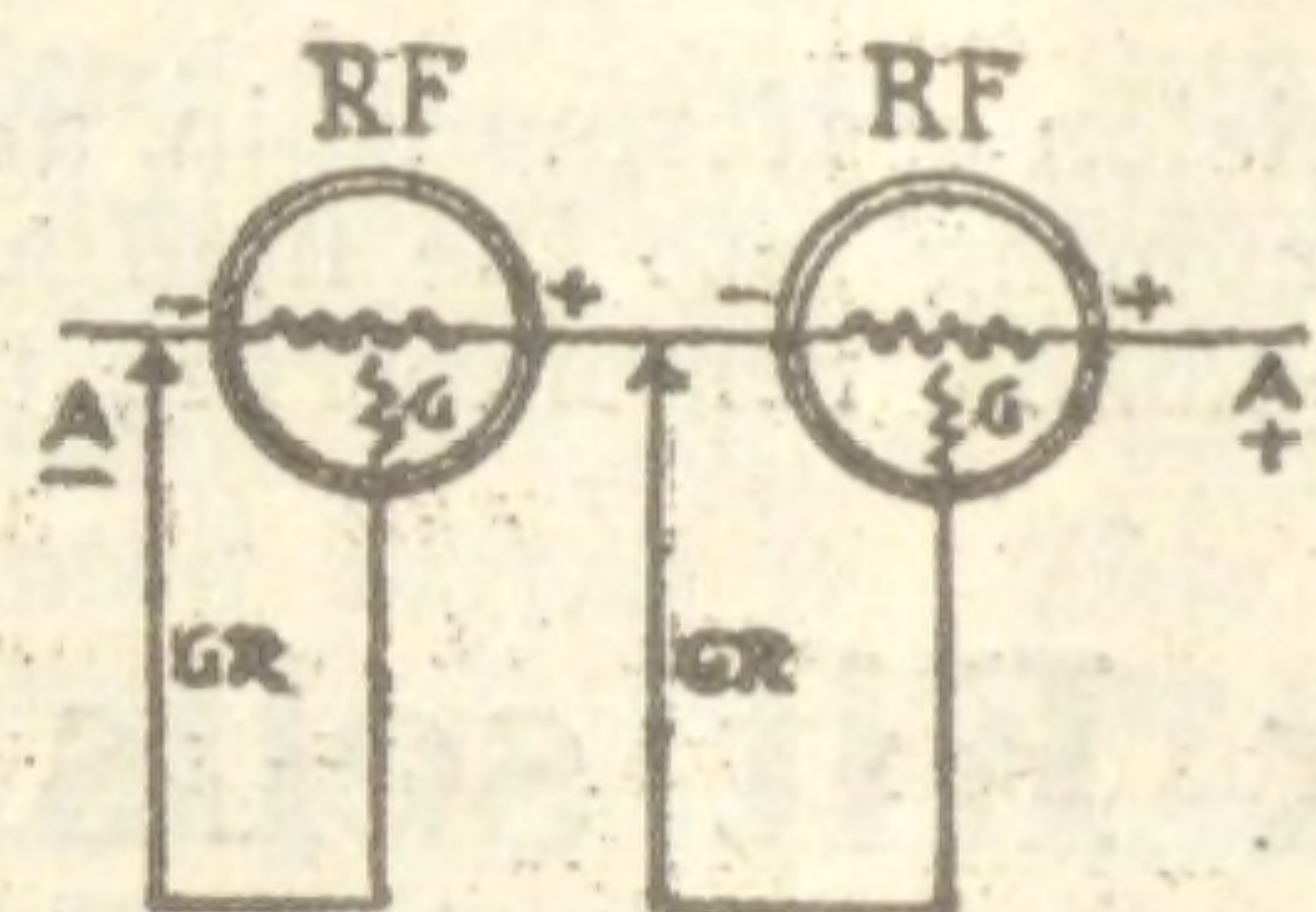


FIG-5

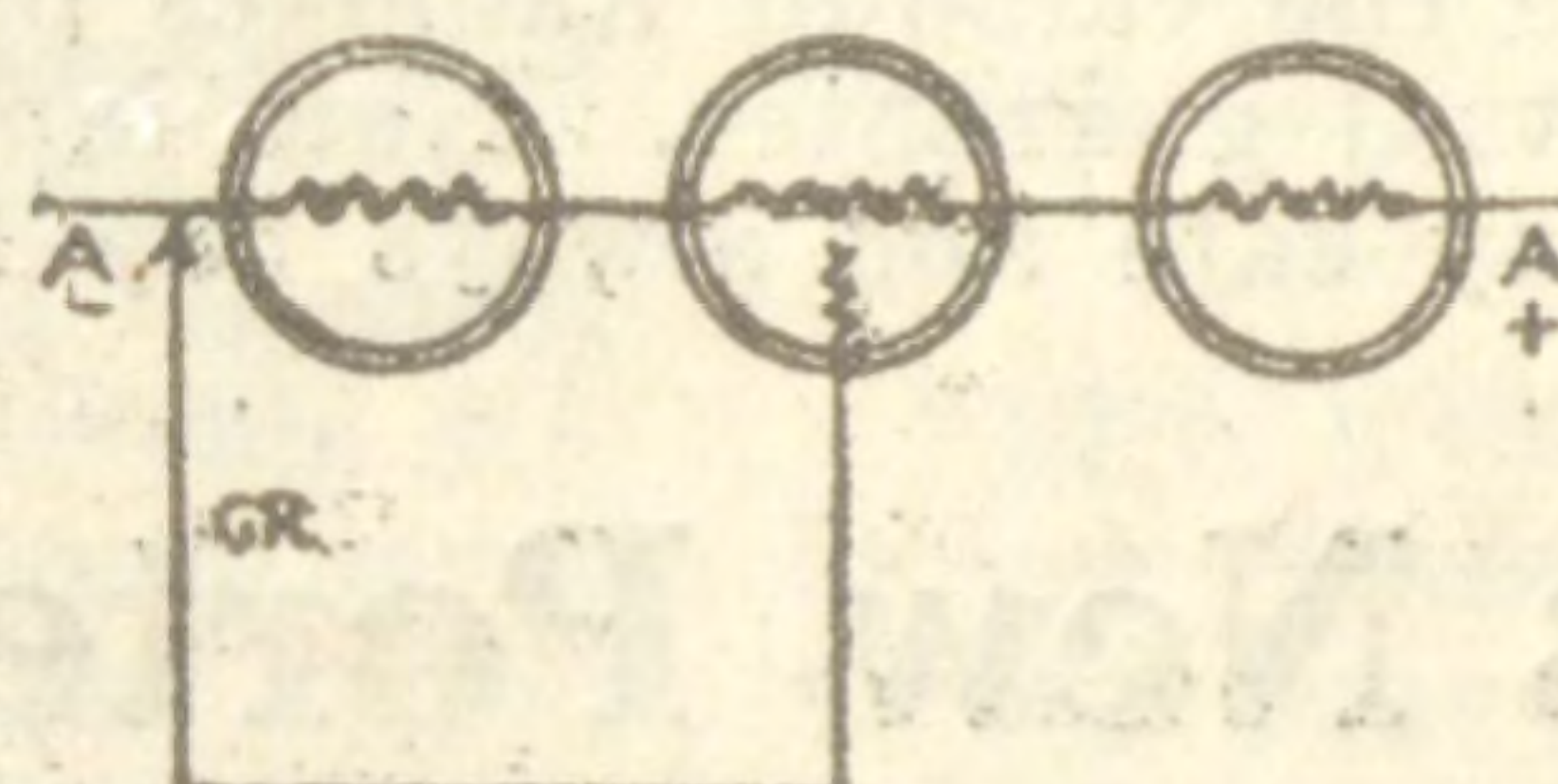


FIG-6



FIG-9

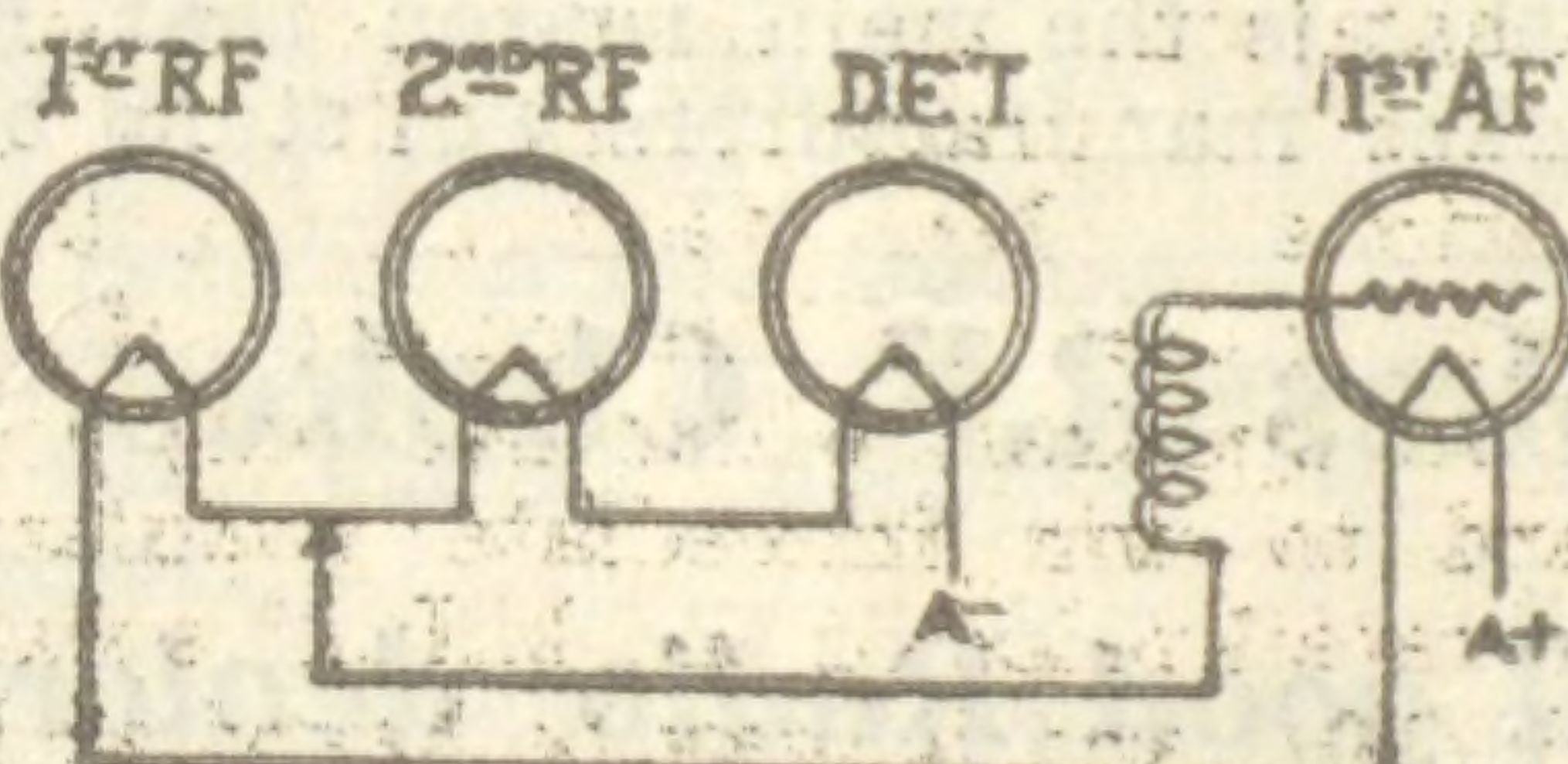


FIG-7

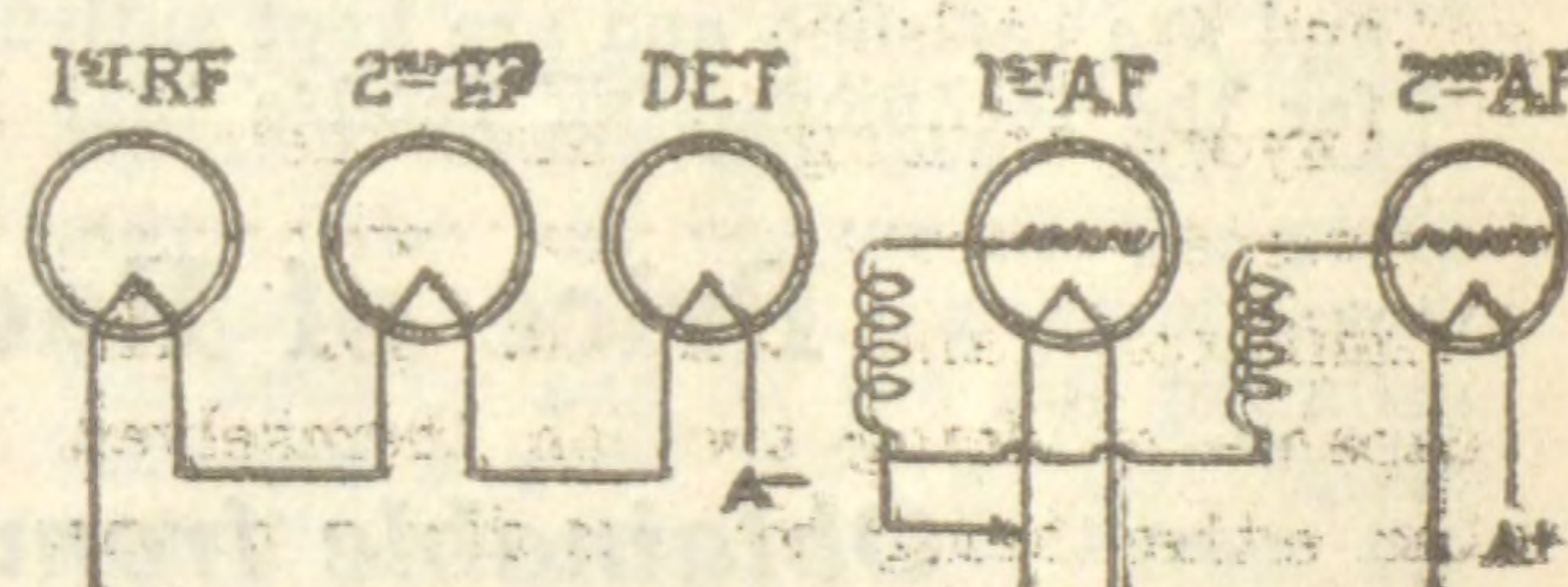


FIG-8



the standard diagram as a guide. Now unscrew all the stads on the radio set, and adjust the knobs on the eliminator in the following order:—Output control, out; detector, three-quarters in; radio, three-quarters in; audio, three-quarters in; filament, half in.

**Note.**—Never switch an eliminator on unless the tubes are in their sockets and eliminator connected, or you will probably damage the ABC. It is now safe to switch the eliminator on. The next step is: Adjust the filament voltage and plate voltage—detector and radio, 4 to 4½ volts; first audio, 5 volts. Now tune in a local station, and adjust the detector and audio plate voltages by the knobs on the eliminator. For best results, use a high-resistance high-voltage meter, 0 to 200 volts, with at least 800 ohms per volt, otherwise the adjustment will be far too high. **Note.**—If A609 or 201A tubes are used, the following plate voltages will be satisfactory:—Radio, 100 volts; detector, 45 to 90 volts; first audio, 100 to 120 volts; last audio, 100 to 180 volts.

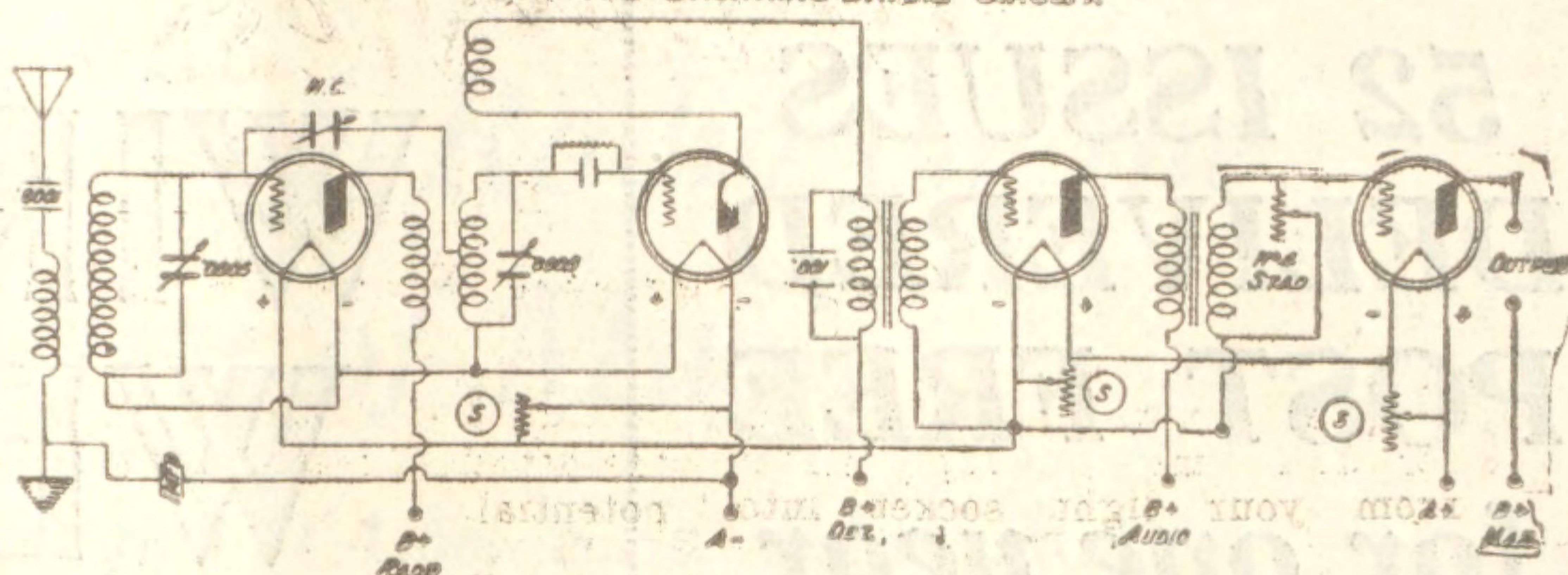
**Hum.**—To test a radio set for hum, do not tune in a station, as some broadcasting stations are notorious for their bad filtering. The best method is to tune your set to a silent position between stations, and then listen attentively. There are a lot of causes for hum in a modern set, which are not due to the eliminator, and this also applies to B eliminators.

**Measuring Instruments.**—The volt-meters necessary for accurate adjustment of sets using ABC eliminators must be very high resistance. As most set-builders cannot afford to buy these more or less expensive instruments, it would be of great advantage if they were able to hire them from some local wireless dealers. We are arranging with dealers in Sydney and Melbourne, to have available volt-meters of the required type for hire, at a nominal fee, and this will help those people who do not wish to buy their own instrument to accurately adjust their sets.

The volt-meters recommended are the 800 or 1000 ohm per volt type—Jewell or Ferranti.

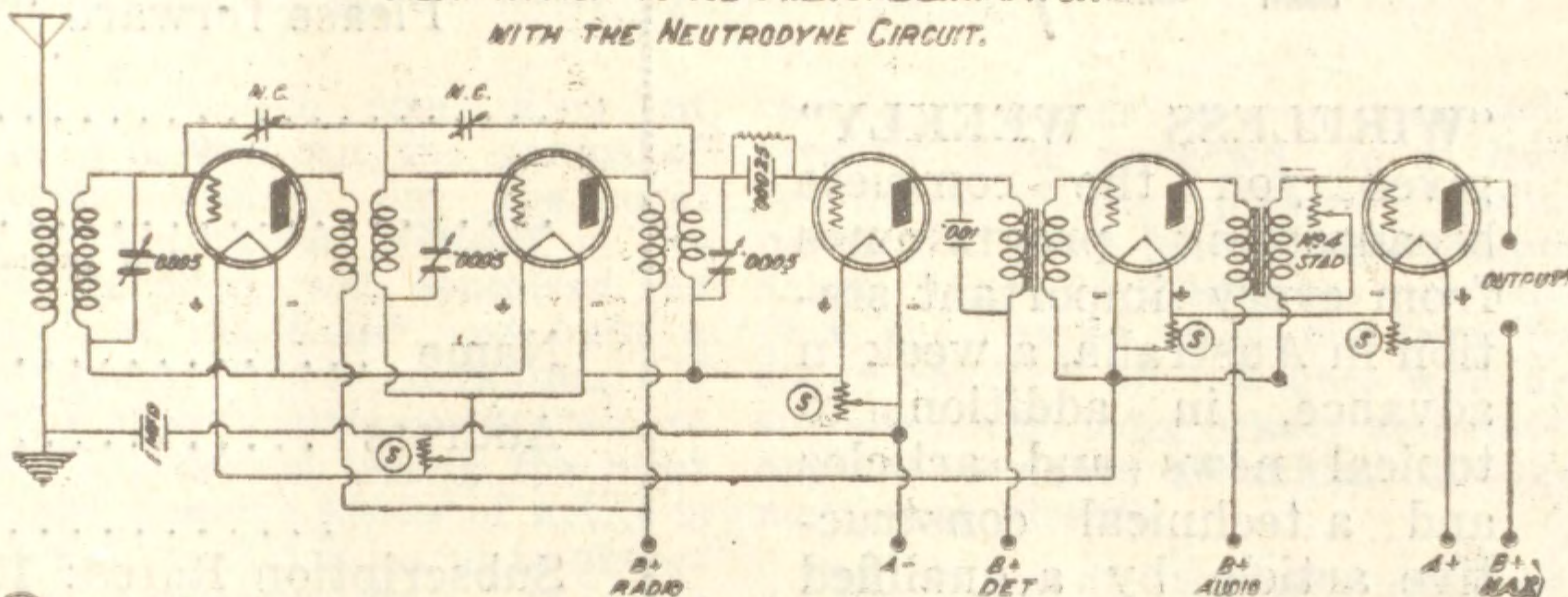
Anyone wishing to have their set converted over for use with this eliminator, and who is not fully capable of doing the job themselves, can either bring the set direct to the factory, or consign it to us through their local dealer.

#### ADAPTATION TO USE A.B.C. ELIMINATOR WITH THE BROWNING DRAKE CIRCUIT.



(S) = No. 2 ENICO STADS FOR USE WITH 85 M.A. A.B.C. ELIMINATOR.  
If 350 M.A. A.B.C. ELIMINATOR IS USED THESE STADS MUST BE No. 1A.

#### ADAPTATION TO USE A.B.C. ELIMINATOR WITH THE NEUTRODYNE CIRCUIT.



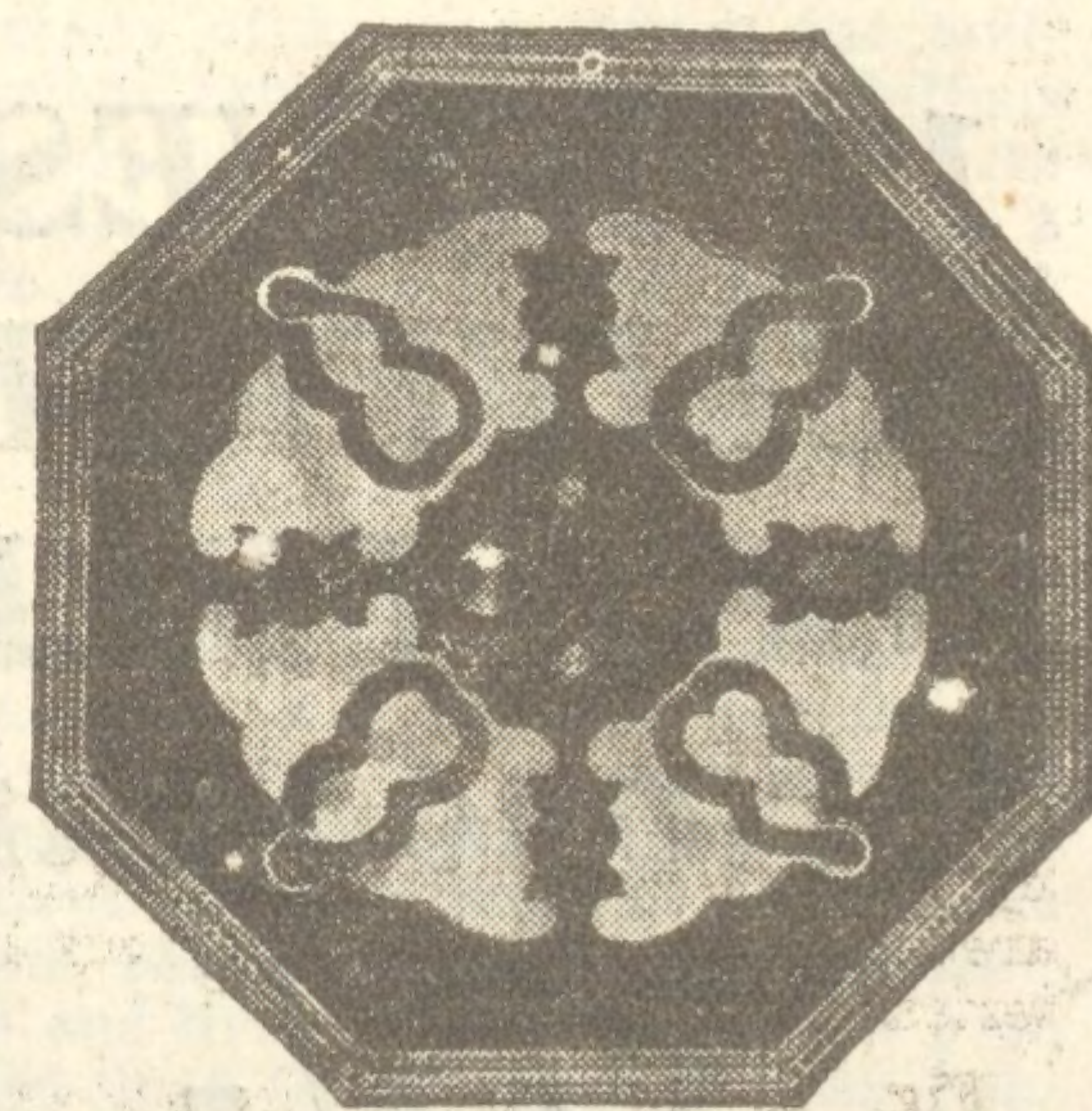
(S) = No. 2 ENICO STADS FOR USE WITH 85 M.A. A.B.C. ELIMINATOR.  
If 350 M.A. A.B.C. ELIMINATOR IS USED THESE STADS MUST BE No. 1A.

## M.P.A.—A Remarkable New Speaker

A UNIQUE type of loud-speaker of British manufacture is about to be introduced to the Australian market. The M.P.A. Loud-Speaker Agency is handled by Mr. C. D. Maclurcan, who has recently returned to Sydney from Europe with some very interesting agencies.

A demonstration of the M.P.A. speakers convinced us that the engineer responsible for their design has completely surmounted many obstacles in the design of cone type loud-speakers. Under a full load from a power amplifier, and checked by a milliammeter, there was no sign of distortion, which was very evident when a comparison was made with certain well-known makes of loud-speakers.

The Maclurcan Tone Purifier proved itself a valuable asset in these demonstrations, and should be in great demand for gramophone pick-up combinations. Mr. Maclurcan is to be congratulated in his choice of the M.P.A. speaker, which has only to be heard to win immediate popularity. The retail price of the M.P.A. speaker is £2/10/, and it may be heard at Mr. Maclurcan's office, 4th floor, Pratten Buildings, Jamieson Street, Sydney.



The new M.P.A. Speaker brought out from England by Mr. C. D. Maclurcan recently. It embodies an entirely new Cone principal.

A valuable testimonial regarding this loud-speaker was received by Mr. Maclurcan from Mr. E. J. Simmonds (EG-20D), the famous English experimenter, who states that this speaker is equal to the very best and most expensive loud-speakers on the market, and much above the average. He believes it to be the best thing he has handled among loud-speakers.



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# The Influence of Radio on the Evolution of Music

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

*Another Interesting Article by the World Famous Scientist and Inventor.  
This Article deals with an important aspect of Broadcasting which is  
giving our musicians a great deal of thought*

THERE are some fifty million wireless listeners in Europe and America. Over two hundred broadcasting stations are engaged every day in pouring out a stream of music for the amusement and delectation of this vast audience. While ten years ago the greatest audience assembled to listen to the performance of a piece of music rarely exceeded ten thousand, nowadays the limit is nearer ten million. What will the effect of this enormous extension of its sphere of influence be upon music itself? Will it be good or evil? Will it mean the destruction of music as a fine art or its rise to ever greater heights of power and splendour?

In order to appeal to the greatest number, music has to be simple. The negro tomtoms and war-drums make a strangely stirring appeal even to civilised men. The muezzin calls the faithful to prayer with a chant on three notes. Folk music in all Europe is based upon a scale of five, six, or seven notes at most, and the variety of emotions expressed by these simple scales is astonishing. Indeed, it is doubtful whether any new emotion is expressed by the most elaborate modern music, clever though it may be. The simpler kinds of music have a universal appeal, and if we wish to be understood by the millions, we must speak a simple language they can understand.

Music, like all the other fine arts, owes its greatest development and finest elaboration to the patronage of the wealthy. The connoisseur can perceive in the lines of an Etruscan vase or the intricacies of a Chinese carving a wealth of beauty which is hidden from the ordinary man. It is the same with music. It is not everybody who can appreciate the music of Bach, Schumann, and Wagner, not to speak of Debussy and Stravinsky. Their appeal is to the minority, to the few for whom they originally composed, whose appreciation led them forth and gave them an opportunity of challenging a larger world. How many of Wagner's masterpieces could have been produced without the

patronage of the mad King of Bavaria? It was not the genius of the German people, but the royal genius who drowned himself in the lake of Starnberg who conceived the "Twilight of the Gods" and built a theatre worthy of the conception. If Richard Wagner's romantic operas are now to be reckoned among the most universally popular works of art it is because the world has learnt to understand and appreciate them. It is not they who have descended to the popular level. The world has been levelled up.

The community of music lovers is anxiously awaiting the result of broadcasting upon the development of musical taste. The rapid spread of American jazz music over Europe has given rise to some misgivings. It is regarded as a sign of the general degeneration of music to the level of the negro tribes of Central Africa. Another view, based on the words which usually accompany American jazz music, fears that the new standards will be those of the American underworld, whose mental horizon is bounded by elementary animal appetites, in the expression of which every verse of every song, sung in a reedy nasal voice, commences with the word "I" and ends with the word "you." But there is no reason to suppose that this influence will extend beyond England and America, where the standard of vocal performance is notoriously low, and where the only hope of progress lies in the Welsh and Scottish elements of the population. France has reacted to the jazz influence by producing some very amusing parodies, while Germany has produced a distinctive kind of jazz which emphasises the sinister and macabre elements of African tradition.

Critics of broadcast music should remember that, although a considerable amount of inferior music is broadcast, yet actually the amount of first-class music brought to the ears of the millions is very much larger than it was before the days of broad-

casting. Classical music was until recently quite unknown to at least two-thirds of the present listening population. The lack of appreciation shown here and there does not come from the less educated, but from the spoilt children of fortune, who are surfeited with mere beauty and whose appetite demands something strange, novel, and bizarre.

The danger of broadcast music lies in standardisation, which means commercialisation and a dull uniformity. There is good ground for apprehension if we look upon the terrible fate of the moving picture since it was commercialised in America. The outlook and sentiment are those of the semi-civilised and half-submerged masses of the American people who flock to the cinema theatres. The necessity of keeping within the multifarious regulations and prohibitions imposed by the 48 States of North America, in order to exhibit over a wide area, has killed all spontaneity and originality. There is no room for anything except a dead level of mediocrity.

Such standardisation must be avoided at all costs, and the best way of avoiding it is to emphasise the national element in music. The very success of jazz shows how easily a distinctive racial type of music can attain popularity. The most expressive and living music has always been based upon themes derived from folk-music. It gains new strength from contact with the earth whence it sprang.

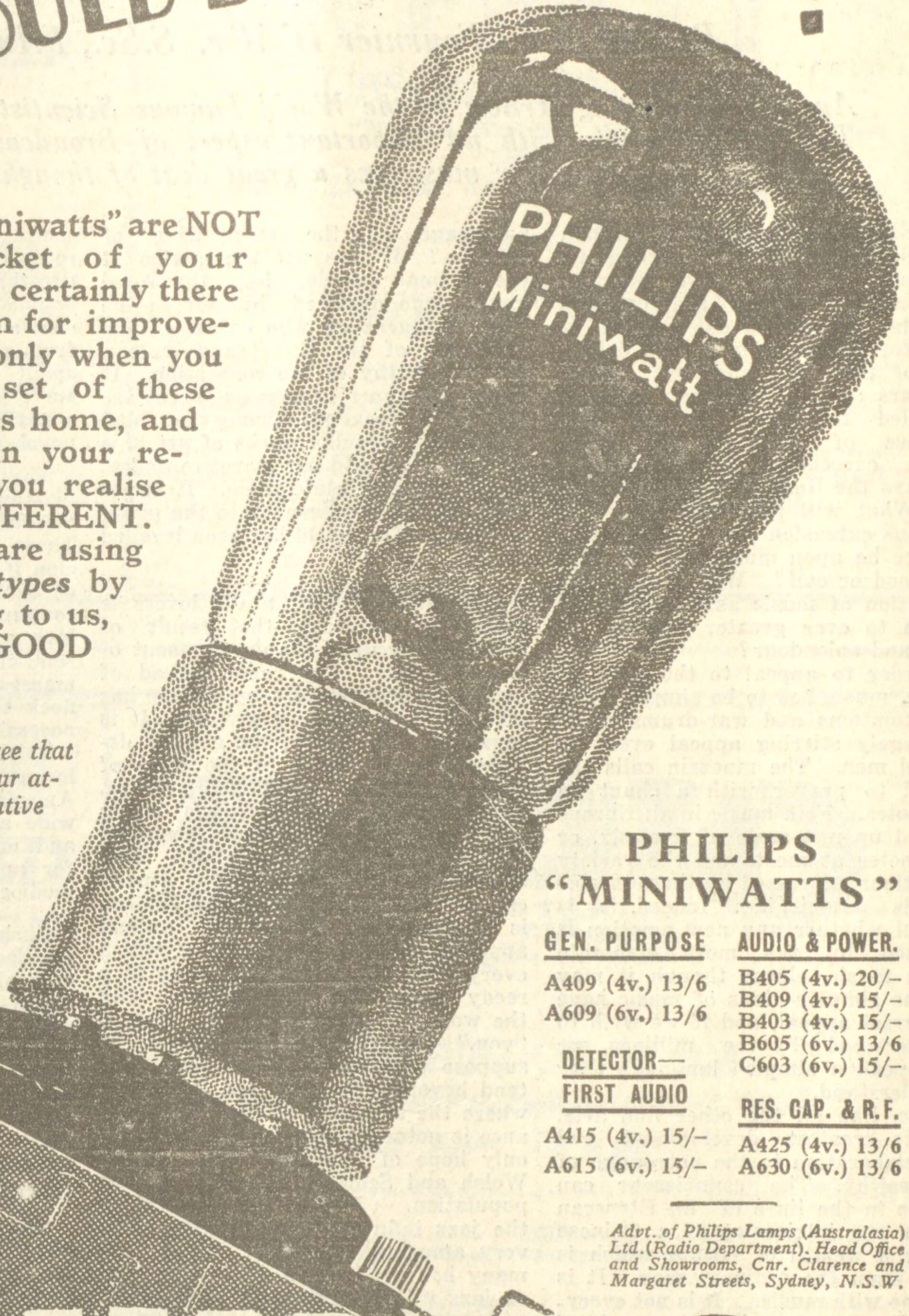
The vitality of any language is directly proportional to the number of people speaking it, and to the sincerity and beauty of the thoughts expressed by it. Music is a universal language, and nothing will be lost by increasing the number of people who understand it and use it. They will gradually learn to master it completely, even to the highest artistic expression. And having tasted the most luscious fruits of musical art, they will not be content with anything less.



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# PHILIPS

## "MINIWATTS"

8R31



# BROADCASTING PROGRAMMES

## For the COMING WEEK

### Friday, October 5

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 talk on Home Cooking and Recipes by Miss Ruth Furst.
- 11 a.m.—"Big Ben."
- A.P.A. and Reuter's Cable Services.
- 11.5 a.m.—Close down.

#### MIDDAY SESSION.

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

#### AFTERNOON SESSION.

- 2.30 p.m.—Programme announcements.
- 2.32 p.m.—Educational Session for the Schools: Talk: "Adventure—General Topics," interspersed with suitable music.
- 3 p.m.—"Big Ben."
- From the Petersham Congregational Church: Organ Recital by Ambrose Gibbs.
- 3.20 p.m.—From the Studio: One-Act Play by Pupils of the MacCunn School of Dramatic Art, under the direction of H. W. Varna: "Women's Strategy."
- 3.35 p.m.—From the Petersham Congregational Church: Items from the Organ Recital by Ambrose Gibbs.
- 3.55 p.m.—From the Studio: A Talk.
- 4.5 p.m.—Howard McKenzie, baritone.

- 4.12 p.m.—Esther Herford, soprano:
  - (a) "With Courtly Grace" (Montague Phillips).
  - (b) "Sea Lullaby" (Edward German).
- 4.17 p.m.—From the Petersham Congregational Church, concluding items of the Recital by Ambrose Gibbs.
- 4.32 p.m.—From the Studio: One-Act Play, entitled "The Street Musician," by Pupils of the MacCunn School of Dramatic Art (under the direction of H. W. Varna).
- 4.45 p.m.—Stock Exchange, third call.
- 4.47 p.m.—Howard McKenzie, baritone.
- 4.54 p.m.—Phyllis Broadbent, soprano.
- 5 p.m.—"Big Ben." Close down.

#### EARLY EVENING SESSION.

- 5.30 p.m.—The chimes of 2FC.
- 5.32 p.m.—Music for the little folk. Letters and stories.
- 6 p.m.—"Big Ben."
- The "Farmyard Five" from Kookaburra Gully.
- 6.15 p.m.—Studio music.
- 6.20 p.m.—Dalgety's market reports (wool, wheat and stock).
- 6.30 p.m.—Fruit and vegetable markets.
- 6.33 p.m.—Stock Exchange information.
- 6.40 p.m.—Weather and shipping news.
- 6.43 p.m.—Late sporting news.
- 6.50 p.m.—"Evening News": late news service.
- 6.55 p.m.—Rugby wireless news.
- 7 p.m.—The 2FC Racing Commissioner will give the latest racing information.
- 7.10 p.m.—Dinner music.

#### NIGHT SESSION.

- 7.30 p.m.—Programme announcements.
- 7.35 p.m.—Pianoforte selection.
- 7.52 p.m.—Ernest Archer, tenor:
  - (a) "English Rose" (Edward German).
  - (b) "I hear a Thrush at Eve" (Cadman).
- 8 p.m.—"Big Ben." From Her Majesty's Theatre (by permission of J. C. Williamson, Ltd.) The First Act of "The Student Prince."
- 9 p.m.—"Big Ben." From the Studio: Late weather forecast.
- Vladimir Elin, Russian baritone:
  - (a) "After a Dream" (Gabriel Faure).
  - (b) "La Procession" (Cesar Franck). (With Obligato—cello and violin.)
- 9.8 p.m.—Wendling and Molloy, the Radio Melody Makers:
  - (a) March.
  - (b) "I'm in Love with Sheila O'Shay" (Hargreaves).
  - (c) "Don't cry, Baby" (Fiorito).
  - (d) "Too Busy" (Miller).
- 9.20 p.m.—Ernest Archer, tenor:
  - (a) "Look down, Dear Eyes" (Fisher).
  - (b) "Little Green Balcony" (Coates).
- 8.28 p.m.—Hilda Sutton, violinist, and Leila Job, coon song:
  - (a) "Orientale" (Cui).
  - (b) "Fat lil' feller wid his Mammy's eyes."
  - (c) "Dew, Dew, Dewy Day."
- 9.38 p.m.—Dr. T. J. Henry will commence a series of talks, "Around the Mandated Territory."
- 9.53 p.m.—Wendling and Molloy, the Radio Melody Makers:
  - (a) "Where do you work, John?" (Warren).
  - (b) "Chiquata" (Wayne).
  - (c) "Is it gonna be long?"

- 10.3 p.m.—Vladimir Elin, Russian baritone:
  - (a) "The truth is suspected," from Opera Life for the Czar (Glinka).
  - (b) "The Cuckoo" (Tchaikowsky).
- 10.10 p.m.—Hilda Sutton, violin, and Leila Job, coon songs:
  - (a) "Czardas" (Monti).
  - (b) "Mah Lindy Lou" (Strickland).
  - (c) "Golden Gate"
- 10.20 p.m.—Dance music.
- 10.27 p.m.—Late news and to-morrow's programme.
- 10.30 p.m.—National Anthem.
- Close down.
- Studio accompanist, Carlton Fay.

### 2BL, SERVICE.

FRIDAY, 5th OCTOBER, 1928.

Wave Length, 353 Metres

#### 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.—Musical Programme from the Studio.
- 8.15 a.m.—G.P.O. Clock and Chimes. News from the "Daily Telegraph Pictorial."
- 8.25 a.m.—Musical Programme from the Studio.
- 8.30 a.m.—G.P.O. Clock and Chimes. Musical Programme from the Studio.
- 8.35 a.m.—Information, Mails, Shipping, Arrivals, Departures and Sailings.
- 8.38 a.m.—New from the "Daily Telegraph Pictorial."
- 8.45 a.m.—G.P.O. Clock and Chimes. Musical Programme from the Studio.
- 9.0 a.m.—G.P.O. Clock and Chimes. Musical Programme from the Studio.
- 9.30 a.m.—A Reading.
- 9.40 a.m.—Musical Programme from the Studio.
- 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.
- 11.30 a.m.—The Electric Home of Comfort: "Electricity in the Home."
- 12.0 noon.—G.P.O. Clock and Chimes. Special Ocean Forecast and Weather Report.
- 12.3 p.m.—Musical Programme from the Studio.
- 12.30 p.m.—Shipping and Mails.
- 12.35 p.m.—Market Reports.
- 12.48 p.m.—"Sun" Midday News Service.
- 1.0 p.m.—Musical Programme from the Studio.
- 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.

- 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.—"Sun" News Service.



4.5 p.m.—Miss Lotys Lescaut, soprano:  
 (a) "Dear hands, that gave me violets" (Haydn Wood).  
 (b) "Perhaps" (Forster).  
 4.12 p.m.—Mr. J. Knight Barnett, entertainer.  
 4.19 p.m.—Miss Eleanor Stanton, contralto.  
 4.23 p.m.—Romano's Restaurant Dance Orchestra.  
 4.30 p.m.—Mr. Wm. Everard, tenor.  
 4.37 p.m.—Romano's Restaurant Dance Orchestra.  
 4.45 p.m.—Miss Lotys Lescaut:  
 (a) "Sing Joyous Bird" (D'Hardelot).  
 (b) "Je l'aimais tant" (Lust).  
 4.52 p.m.—Mr. J. Knight Barnett.  
 4.59 p.m.—Romano's Restaurant Dance Orchestra.  
 5.5 p.m.—Miss Eleanor Stanton:  
 "Four Desert Love Songs" (Coningsby Clarke).  
 5.12 p.m.—"Sun" news service.  
 5.22 p.m.—Mr. Wm. Everard.  
 5.29 p.m.—Studio Music.  
 5.37 p.m.—Miss Eleanor Stanton:  
 "Slow Horses Slow" (Mallinson).  
 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.  
 Young Children's Session.  
 6.15 p.m.—Elder Children's Session.  
 6.30 p.m.—Gulbransen Dinner Music.  
 7 p.m.—G.P.O. Clock and Chimes.  
 Racing resume.  
 Australian Mercantile Land and Finance Co.'s Report.  
 Weather report and forecast by courtesy of Govt. Meteorologist.  
 Producers Distributing Society's Fruit and Vegetable Market report.  
 Stock Exchange report.  
 Grain and Fodder report ("Sun.")  
 Dairy Produce report ("Sun.")  
 7.15 p.m.—"Sun" News Service.

## EVENING SESSION.

Accompanist ..... G VERN BARNETT  
 8 p.m.—G.P.O. clock and chimes.  
 Mr. Robert Gilbert, baritone.  
 8.7 p.m.—"Some More Lion Stories," by Mr. F. C. Jones and Captain A. C. C. Stevens.  
 8.52 p.m.—Miss Dorothy Dewar, soubrette:  
 (a) "Come day, go Day" (Lory)  
 (b) "Loretta" (Davis).  
 8.59 p.m.—Weather report and forecast by Courtesy of Government Meteorologist.  
 9 p.m.—G.P.O. clock and chimes.  
 Mr. C. Dexter, the "Sune's" turf expert, will take on the prospects of Saturday's racing.  
 9.15 p.m.—From the Sydney University: Carillon recital.  
 9.30 p.m.—Mr. Robert Gilbert.  
 9.33 p.m.—The New South Wales Broadcasting Company's Orchestra.  
 9.48 p.m.—Miss Dorothy Dewar:  
 (a) "You gave me all my Sunshine" (Haydn Wood).  
 (b) "Lady Moon" (Klickman).  
 9.55 p.m.—The New South Wales Broadcasting Company's Orchestra.  
 10.10 p.m.—Mr. Robert Gilbert.  
 10.13 p.m.—The New South Wales Broadcasting Company's Orchestra.  
 10.28 p.m.—Resume of following day's programme.  
 10.32 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.—G.P.O. clock and chimes.  
 National Anthem.

## 2GB, SYDNEY

Theosophical Broadcasting Service.

Wave Length, 316 Metres.

FRIDAY, 5th 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.—Social Chat by Mrs. Dorothy Jordan.  
 2.30 p.m.—Music.  
 3 p.m.—Address by Mr. H. Morton.  
 3.30 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.—Opening Chorus.  
 8.2 p.m.—Orchestral Music.  
 8.17 p.m.—Announcements.  
 8.22 p.m.—Songs by Mr. Robert Scott.  
 8.29 p.m.—Pianoforte Solo by Miss Mollie Jones.  
 8.37 p.m.—Mr. Jack Win and Miss Nora Windle in Comedy Selections from their Repertoire.  
 8.45 p.m.—Address by Professor E. Wood.  
 9 p.m.—Weather report.  
 9.2 p.m.—Orchestral selections.  
 9.17 p.m.—Resume of Programme.  
 9.22 p.m.—Songs by Mr. Robert Scott.  
 9.29 p.m.—Orchestral Selections.  
 9.44 p.m.—Mr. Jack Win and Miss Nora Windle.  
 9.51 p.m.—Selections w .  
 10 p.m.—Close down.

## 3LO, MELBOURNE.

Broadcasting Co. of Aust.

Wave Length, 371 Metres.

FRIDAY, 5th 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.  
 8 a.m.—Time signal. Express train information.  
 8.1 a.m.—Morning melodies.  
 8.15 a.m.—Close down.

## MORNING SESSION.

11 a.m.—3LO'S CULINARY COUNSELS, or How to Create Creature Comforts with a Minimum of Cash.  
 RECIPE.—WELSH RAREBIT.  
 ½ lb. cheese.  
 2 tablespoons cream.  
 Salt.  
 ½ teaspoon mustard.  
 Cayenne pepper.  
 Buttered toast.  
 Make buttered toast, and keep hot. Grate cheese, add salt, pepper, cream, and mustard; stir over the fire till hot (do not let it boil). Pile on the buttered toast, brown in oven or griller, and serve at once.  
 11.5 a.m.—RUPERTE WOOD, Dietitian:  
 "What food is and how it produces body poisons."  
 11.20 a.m.—Musical interlude.  
 11.25 a.m.—"AU FAIT";  
 "Tennis Frocks and Coats."  
 11.40 a.m.—Musical interlude.  
 11.45 a.m.—Under the auspices of the Department of Health, SISTER PECK, P.H.D., will peak on: "Exercise for Infants."

## MIDDAY SESSION.

12 noon.—Melbourne Observatory Time Signal.  
 12.1 p.m.—Prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. British

Official Wireless news from Rugby. Reuter's and the Australian Press Association cables.  
 "Argus" news service.

12.15 p.m.—Newmarket Stock Sales. Special reports by John McNamara and Co.

12.20 p.m.—THE STRAD TRIO:  
 "Trio Op. 11 in B Flat" (Beethoven).  
 Allegro con brio.  
 Adagio.  
 Variations.

12.39 p.m.—Stock Exchange information.  
 12.42 p.m.—MARCELLE BERARDI, Soprano:  
 "A Little Birdie."  
 Selected.

12.49 p.m.—CECIL PARKES, Violin:  
 "Ballet Music from Rosamunde" (Schubert).  
 "Traumerei" (Schumann).  
 "Zaphirs" (Hubay).

12.57 p.m.—J. HOWARD KING:  
 "The Deep No More" (Tchaikowsky).  
 "The Two Grenadiers" (Schumann).

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

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

1.18 p.m.—J. HOWARD KING:  
 "The Inn" (Schubert).  
 "The Linden Tree" (Schubert).

1.25 p.m.—THE STRAD TRIO:  
 "Air" (Bach-Parkes).  
 "Andante" (Beethoven).  
 "March Militaire" (Schubert).

1.35 p.m.—MARCELLE BERARDI, Soprano:  
 "Non so piu cosa son"—The Marriage of Figaro (Mozart).  
 "Enough" (Homers).

1.42 p.m.—Close down.

## AFTERNOON SESSION.

2.15 p.m.—THE STATION ORCHESTRA:  
 Selection: "Sybil" (Jacobi).

2.25 p.m.—LEN MAURICE, Baritone:  
 "Wireless Whispers."

2.32 p.m.—THE STATION ORCHESTRA:  
 Selection, "Maid of the Mountains" (Simpson).

2.42 p.m.—FRED. BLUETT, Comedian:  
 Selection from his repertoire.

2.49 p.m.—THE STATION ORCHESTRA:  
 Selection, "Hit the Deck" (Youmans).

## AN INTERLUDE.

3 p.m.—FRANCES FRASER:  
 "Charles Lamb—the Weir."

3.15 p.m.—THE STATION ORCHESTRA:  
 "La Belle Espagnola" (Tobani).

3.25 p.m.—HUXHAM'S SERENADERS:  
 3.50 p.m.—THE STATION ORCHESTRA:  
 Suite, "Italian Scenes" (Brand).

4 p.m.—LEN MAURICE, Baritone:  
 "Wireless Whispers."

4.7 p.m.—WALTER SMITH, Cornet:  
 "In An Old Fashioned Town" (Squire).

4.12 p.m.—MARCELLIE BERARDI, Soprano:  
 "Qi la voce"—Puritani (Bellini).  
 "Lilacs" (Rachmaninoff).

4.19 p.m.—THE STATION ORCHESTRA:  
 "Woodland Sketches" (McDowell).

4.29 p.m.—FRED. BLUETT, Comedian:  
 Selected.

4.36 p.m.—JOSEPH BARRILLIE, Flute:  
 Selected.

AN ORCHESTRA LAPPRECIATION OF  
 "OUR OWN SWEET NELL."

REMINISCENCES OF NELLIE STEWART.  
 Arranged and Orchestrated by  
 Frederick Hall.

4.41 p.m.—THE STATION ORCHESTRA:  
 "Nell Gwynn's Call—Who'll buy my Oranges"

## NEWS SESSION.

5 p.m.—"Herald" News Session.  
 Stock Exchange information.

5.10 p.m.—Close down.

## EVENING SESSION.

## CHILDREN'S HOUR.

6 p.m.—Answers to Letters and Birthday Greetings by "BILLY BUNNY."  
 6.25 p.m.—Musical interlude.



6.30 p.m.—And now, Children, for a wonderful surprise. Here is your old friend, CAPT. DONALD MacLEAN, back again with you, and we are wondering what stories of adventure he has to tell this time! Will they be about Pirates or will they be tales of the Bush? Well, just you wait and see

## NIGHT SESSION.

## PARLEZ VOUS FRANCAIS?

6.50 p.m.—MADAME SOWARD:

"French without tears."

7.5 p.m.—Stock Exchange information.

## STOCK EXCHANGE.

## MARKET REPORTS.

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

7.43 p.m.—BIRTHDAY GREETINGS.

## OUT OF THE PAST.

7.45 p.m.—On October 5, 1915, the Allies landed in Salonika; and Damascus, was captured by the British in 1918.

7.46 p.m.—C. H. J. WILLIAMS will speak on "To-morrow's Stadium Event."

## PROGRAMME ANNOUNCEMENTS.

8.1 p.m.—Under the auspices of the Department of Agriculture, N. A. BOWMAN, Sheep and Wool Expert:

"Classing and Baling Wool for Marketing."

## BRASS BAND CONCERT.

8.15 p.m.—COLLINGWOOD CITIZENS' BAND:

Grand selection, "Bohemian Girl."

8.25 p.m.—JOHN D. FRASER, baritone:

"Serenade" (Schubert).

"The Hawk" (Coningsby-Clarke).

8.32 p.m.—COLLINGWOOD CITIZENS' BAND:

Waltz, "The Blue Danube."

8.40 p.m.—MARK MACK, contralto:

"Ships of Arcady" (Head).

"Sonny Boy" (Curren).

8.47 p.m.—COLLINGWOOD CITIZENS' BAND:

Cornet solo, "Sad and Lonely."

(Ada B. Rutherford).

## INTERLUDE.

8.52 p.m.—H. K. LOVE will speak on "Technicalities."

## CHAMBER MUSIC.

9.2 p.m.—THE STATION STRING QUARTETTE:

"Quartette" (Beethoven).

9.12 p.m.—JOHN D. FRASER, baritone:

"Eri Tu" (Vrði).

"Song of the Coat" (Puccini).

9.19 p.m.—AGNES FORTUNE, Piano, and BERTHA JORGENSEN, Violin:

"Sonata" (Beethoven).

9.26 p.m.—MARY MACK, contralto:

"Four by the Clock" (Mallinson).

"The Cloths of Heaven" (Dunhill).

9.33 p.m.—THE STATION STRING QUARTETTE:

"Maori Quartet" (Hill).

## SPORTING.

9.43 p.m.—ERIC WELCH will speak on tomorrow's Races at Flemington.

## CHORAL ITEMS.

9.53 p.m.—COLLINGWOOD CITIZENS' BAND:

"The Bridal March" (Lohengrin).

10 p.m.—SOUTHERN CHORAL SOCIETY—MALE CHORUS:

"Song of the Northmen" (Maunder).

"Twilight" (Buck).

10.17 p.m.—HUXHAM'S SERENADERS:

Quartette: "Dear Old Songs."

Hugh Huxham, Tenor:

"Kiss Your Daddy."

The Station Orchestra:

"Valse Caprice" (Rubenstein).

Quartette—Novelty:

"Marriage on a Bike."

The Station Orchestra:

"Prelude" (Jarnfelt).

Operatic Quartette:

"Companions."

## NEWS SESSION.

10.37 p.m.—"Args" News Service. British Official Wireless News from Rgby. Meteorological information. Road Notes supplied by the Royal Automobile Club of Victoria. Announcements.

3LO'S WEEKLY SEASONAL GARDENING REMINDER, compiled by Leslie Brunning.

10.47 p.m.—SOUTHERN CHORAL SOCIETY, accompanied by THE COLLINGWOOD CITIZENS' BAND:

"Gloria."

"Hallelujah Chorus."

10.54 p.m.—THE STATION ORCHESTRA:

"Rondo Capriccioso" (Mendelssohn).

## DANCE MUSIC.

11.1 p.m.—LEN MAURICE and THE RADIO-ACES Collaborate.

11.8 p.m.—THE RADIO-ACES.

11.40 p.m.—GOD SAVE THE KING.

## 3AR, MELBOURNE.

Associated Radio Co.

Wave Length, 484 Metres.

FRIDAY, 5th 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.

Ocean forecast.

10.25 a.m.—Age shipping reports.

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.—Studio Orchestra:

Suite, "Cyrano de Bergerac" (Rosse).

"Spanish Dance" (Moskowski).

11.15 a.m.—Ivy Price, soprano:

"Elegie" (Massenet).

"Sing Sweet Bird" (Ganz).

11.22 a.m.—Edna Davies, xylophone:

"Poet and Peasant" (Suppe).

"Annie Laurie" (played with six mallets).

11.30 a.m.—Lionel Pain, Baritone:

"Bianca."

"Mate O'Mine" (Sanderson).

11.37 a.m.—Studio Orchestra:

"Country Gardens" (Grainger).

Selection, "The Red Mill" (Herbert).

11.52 a.m.—Althouse and McCallum, Soprano and Pianist, Baritone and Flute.

Musical moments.

12.5 p.m.—Studio Orchestra:

"Dance Bohemienne" (Bizet).

"Dance of the Tumblers" (Rimsky-Korsakoff).

12.15 p.m.—Jessie Shmith, contralto:

"Sylvelin" (Sinding).

"Bois Epais" (Sully).

12.22 p.m.—Edna Davies, xylophone:

"You Don't Like It, Not Much" (Twiker).

"Raymond" (Thomas).

12.29 p.m.—British Official Wireless news. Announcements.

12.39 p.m.—Ivy Price, soprano:

"The Second Minuet" (Besly).

"Vainka's Song" (Wishaw).

12.46 p.m.—Studio Orchestra:

Selection of Haydn Wood's songs.

12.56 p.m.—Lionel Pain, baritone:

"A City by the Sea."

"Land of Long Ago."

1.3 p.m.—Studio Orchestra:

"Canzone" (Pirani).

"Nubian Desert Song" (Amani).

"Beecause" (Cui).

1.13 p.m.—Jessie Shmith, contralto:

"If I Might Come to You."

"The Sweetest Flower that Blows" (Hawley).

1.20 p.m.—Studio Orchestra:

"Scenes Napolitaines" (Massenet).

1.30 p.m.—Close down.

## EVENING SESSION.

5 p.m.—A recital of the best and latest records.

## NIGHT SESSION.

8.15 p.m.—Community Singing transmitted from the Town Hall, Malvern.

From The Studio:

10.15 p.m.—Studio Orchestra:

Selection, "Aida" (Verdi).

10.25 p.m.—Althouse and McCullum soprano and Pianiste, Baritone and Flute. Selections from their repertoire.

10.35 p.m.—Studio Orchestra:

"I'm a'Longing for You" (Hathaway).

Selection, "The Student Prince" (Romberg).

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, 5th 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.—From the Paris Cafe:

Lunch-hour music.

1.58 p.m.—From the Brisbane Observatory:

Time signals.

2 p.m.—Close down.

## AFTERNOON SESSION.

3 p.m.—From the studio:

A programme of electrically reproduced records.

3.30 p.m.—Mail train running times.

3.31 p.m.—From St. John's Cathedral:

The items will be announced from the Cathedral, and Mr. Sampson will briefly comment on each one.

4 p.m.—From The Studio:

A further programme of electrically reproduced records.

4.15 p.m.—This afternoon's news.

4.30 p.m.—Close down.

## EARLY EVENING SESSION.

6 p.m.—From the Studio:

Mail train running times; mail information; shipping news.

6.5 p.m.—From the Paris Cafe:

Dinner music.

6.25 p.m.—From the studio:

Commercial announcements.



6.30 p.m.—Bedtime stories conducted by "The Sandman."  
 7 p.m.—News in brief.  
 7.5 p.m.—Stock Exchange news.  
 7.6 p.m.—Metal quotations.  
 7.7 p.m.—Market reports.  
 7.25 p.m.—Fenwick's Stock report.  
 7.30 p.m.—Weather information.  
 7.40 p.m.—Announcements.  
 7.43 p.m.—Standard time signals.  
 7.45 p.m.—To-morrow's sporting fixtures reviewed.

## NIGHT SESSION.

8 p.m.—From The Studio:  
 The Federal Band (Conductor, W. H. Davis):  
 March, "Full of Go" (Hutchinson).  
 Selection, "The Girl in the Taxi" (Gilbert).  
 John Steel, tenor:  
 "I Hear You Calling Me" (Marshall).  
 The Federal Band:  
 Euphonium solo, "The Alpine Rose" (Rimmer).  
 (Soloist, Mr. J. Gayton).  
 Suite, "Unrequited Love" (Linke).  
 John Steel, tenor:  
 "The Jealous Lover" (Quilter).  
 The Federal Band:  
 Fox trot, "Caravan" (Nicholls).  
 Fox trot, "If You See Sally" (Donaldson).  
 Two-step, "Bom-Bom-Bay" (Carroll).  
 Half An Hour With Stephen Adams.  
 8.30 p.m.—Half an hour of Stephen Adams' music.  
 J. P. Cornwell, bass:  
 "They All Love Jack."  
 "The Holy City" (with organ accompaniment).  
 The Studio Orchestra:  
 Selection Stephen Adams' Songs—Part I.  
 George Williamson, tenor:  
 "Adieu Marie."  
 "Thora."  
 The Studio Orchestra:  
 Selection Stephen Adams' Songs—Part II.  
 Stanley Tambyln, bass:  
 "The Veteran's Song."  
 "Star of Bethlehem."  
 9 p.m.—Metropolitan weather forecast.  
 9.1 p.m.—For Motorists:  
 Week-end road information officially supplied by the Royal Automobile Club of Queensland.  
 Mr. Arthur Sharman's Party.  
 9.10 p.m.—A programme arranged by Mr. Arthur Sharman:  
 Arthur Sharman, pianist.  
 Ivy Plane, soprano:  
 "All Souls' Day" (Larsen).  
 "April's Here" (Landon Ronald).  
 Morris Cran, violinist:  
 "Souvenir" (Drdla).  
 Bryth Evans, baritone:  
 "Youth" (Allitsen).  
 "Prince Ivan's Song" (Allitsen).  
 Arthur Sharman, pianist:  
 "Nocturne in B Major" (Chopin).  
 "Study in G Flat" (Friml).  
 Morris Cran, violinist:  
 "Benedictus" (McKenzie).  
 "Elfin Dance" (Haydn Wood).  
 Ivy Plane, soprano:  
 "Ballad Monger" (Martin).  
 "Langley Fair" (Martin).  
 "Three" (Aylward).  
 Bryth Evans, baritone:  
 "Friendships" (Lohr).  
 Arthur Sharman, pianist:  
 "Dance in the Twilight" (Roger Quilter).  
 "La Jongaleuse" (Moskowski).  
 Ivy Plane, soprano:  
 "Ave Maria" (Percy Kahn).  
 (With violin obligato by Morris Cran).  
 10 p.m.—Late news, weather news.  
 Close down.

## 5CL, ADELAIDE.

Central Broadcasters, Ltd.

Wave Length, 395 Metres.

FRIDAY, 5th OCTOBER, 1928.

## MORNING SESSION.

11 a.m.—G.P.O. Chimes.  
 11.1 a.m.—Studio "Recreator."  
 Recital of Columbia Recordings.

## 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.—Bertha Davies, mezzo:  
 "The Winds in the South" (Scott).  
 12.24 p.m.—Geoff Goldsworthy, 'cello.  
 12.31 p.m.—Bertha Davies, mezzo:  
 "The Yellow Hammer" (Lehmann).  
 "Songs my mother taught me."  
 12.38 p.m.—Geoff Goldsworthy, 'cello.  
 12.50 p.m.—S. W. Ward and Co.'s Stock Exchange Information.  
 12.57 p.m.—Meteorological information.  
 1 p.m.—G.P.O. Chimes.  
 1.1 p.m.—Community Singing:  
 Transmitted from the Adelaide Town Hall.  
 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.—Studio "Recreator":  
 Recital of Columbia Recordings.  
 3.15 p.m.—Dismal Desmond, comedian:  
 In dismal moments.  
 3.22 p.m.—Marion Lightfoot, Instrumentalist:  
 Steel Guitar solos.  
 3.29 p.m.—Studio "Recreator":  
 Columbia recordings.  
 3.52 p.m.—Dismal Desmond, comedian:  
 In some more dismal moments.  
 4 p.m.—G.P.O. Chimes.  
 4.1 p.m.—Marion Lightfoot, Instrumentalist:  
 Banjo solos.  
 4.7 p.m.—Studio "Recreator":  
 Recital of Parlophone 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 Parlophone 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 by "Silvius."  
 7.20 p.m.—Cricket talk by "Willow."

## NIGHT SESSION.

7.30 p.m.—Malcolm Reid's Orchestra:  
 Transmitted from showrooms.  
 Overture.  
 7.40 p.m.—Frank McCabe, baritone:  
 "When song is sweet" (Sans Souci).  
 "The Lute Player" (Allitsen).  
 7.47 p.m.—Malcolm Reid's Orchestra:  
 Orchestral selections.  
 7.55 p.m.—Dismal Desmond, comedian:  
 In Dismal moments.  
 8.2 p.m.—The Estelle Mark Trio:  
 In selected works from their repertoire.  
 8.17 p.m.—Malcolm Reid's Orchestra:  
 Orchestral selections.  
 8.27 p.m.—Keith Desmond, Monologue Entertainer.  
 Dramatic Selections.  
 8.36 p.m.—Malcolm Reid's Orchestra:  
 Orchestral selections.  
 8.45 p.m.—Frank McCabe, baritone.  
 8.52 p.m.—Malcolm Reid's Orchestra:  
 Orchestral selections.  
 9 p.m.—G.P.O. Chimes.  
 9.1 p.m.—Meteorological information.  
 9.2 p.m.—Overseas Grain Report.  
 9.3 p.m.—Adelaide Lyric Quartet.  
 9.10 p.m.—Marion Lightfoot, Instrumentalist.  
 English Concertina Solos.  
 9.17 p.m.—The Estelle Mark Trio:  
 Selections from their repertoire.  
 9.32 p.m.—Dismal Desmond, comedian:  
 In dismal moments.  
 9.39 p.m.—Marion Lightfoot, Instrumentalist.  
 Banjo solos.  
 9.46 p.m.—Adelaide Lyric Quartet.  
 9.53 p.m.—Keith Desmond, Monologue Entertainer:  
 Dramatic Selections.  
 10 p.m.—G.P.O. Chimes.

10.1 p.m.—"The Advertiser" General news service.  
 10.10 p.m.—British Official Wireless news.  
 10.15 p.m.—The Maison Dance Band:  
 Transmitted from Glenelg.  
 Dance numbers.  
 10.57 p.m.—Meteorological information and Programme announcements.  
 11 p.m.—G.P.O. Chimes and God Save the King.

## 6WF, PERTH

Westralian Farmer's.

Wave Length, 1250 Metres.

FRIDAY, 5th OCTOBER, 1928.

## MIDDAY SESSION.

12.50 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.  
 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, Hay Street.  
 Vocal and instrumental numbers from the Studio.  
 4.30 p.m.—Close down.

## EVENING SESSION.

6.54 p.m.—Tune in.  
 The evening transmission is broadcast on 104.5 metres as well as the usual wavelength.  
 6.48 p.m.—Musical session for the Kiddies by Uncles Henry, Percy and Duffy and Aunties Amy and Molly.  
 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: Stereophonic Transmission:  
 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.  
 Station announcements.  
 Weather report and forecast.  
 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, 5th OCTOBER, 1928.

## MIDDAY SESSION.

11.30 a.m.—Special Midlands Weather forecast.  
 11.31 a.m.—Selections on the studio "Recreator."  
 11.55 a.m.—Tasmanian Station 3 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.—Selections on the studio "Recreator."

12.11 p.m.—British Official Wireless news.

12.20 p.m.—Selections on the studio "Recreator."

12.29 p.m.—Announcements.

12.33 p.m.—Selections on the Studio "Recreator."

12.55 p.m.—"Mercury" news service.

Produce sales held at Railway.

1.10 p.m.—Selections on the studio "Recreator."

1.30 p.m.—Close down.

#### AFTERNOON SESSION.

3 p.m.—G.P.O. Clock chimes the hour.

3.1 p.m.—Selections on the Studio "Recreator."

3.5 p.m.—Weather information.

3.10 p.m.—Selections on the studio "Recreator."

#### A STUDIO CONCERT.

3.15 p.m.—The Animato Trio:

"O Star of Eve" (Wagner).

Fox trot, "Petrushka."

Marguerite Morrisby, piano solo:

Waltz "So Blue" (de Sylva).

"Menuet Antique" (Elkin).

The Animato Trio:

Valse, "Love here is my heart" (Lao Silein)

Fox trot, "Breeze" (Irving Berlin).

Ena Twibell, violin:

"Valse Brunette" (Edmund Severn).

The Animato Trio:

"El Campeador" (R. Brumel).

Marguerite Morrisby, piano solo:

Selected, Courier Personalities.

4.15 p.m.—An Educational Talk.

4.50 p.m.—Close down.

#### EARLY EVENING SESSION.

##### CHILDREN'S HOUR.

6.15 p.m.—Answers to Letters and Birthday Greetings by "Uncle David."

6.20 p.m.—Musical Selection on the Studio "Recreator."

6.30 p.m.—The Storey Lady—a story for the Children.

"Atalanta's Race."

6.45 p.m.—Selections on the studio "Recreator."

7.15 p.m.—Sid Jones will speak on to-morrow's Football.

#### EVENING SESSION.

7.30 p.m.—Liela Read:

Piano, Selected.

7.35 p.m.—Edward Bailey, baritone:

"Less than the Dust" (Finden).

"Salaam" (Lang).

7.41 p.m.—Gertrude Sneddon, Mezzo-soprano:

"Daffodil Gold" (Hodgson).

"The Market" (Carew).

7.45 p.m.—Molly Whitelaw, violin:

"Cradle Song" (Brahms).

"Souvenir" (Dryda).

7.55 p.m.—Rita Witton, contralto:

"The Arrow and the Song" (Balfé).

"An Old Fashioned Town" (Squire).

8.2 p.m.—Victor Pharaoh, Banjoist:

"Fifty Million Frenchmen."

"Sometimes I'm Happy" (Yeomans).

8.3 p.m.—Edward Bailey, baritone:

"Shipmates of Mine" (Sanderson).

"Invictus" (Huhn).

8.15 p.m.—Liela Read, pianist:

Selected.

8.20 p.m.—Gertrude Sneddon, Mezzo Soprano:

"Will ye no come back again."

"Castles in the Air" (Smith).

8.27 p.m.—Molly Whitelaw, Violin:

"Schen Rosmarin" (Kreisler).

"Ave Maria" (Bach-Gounod).

8.34 p.m.—Rita Witton, contralto:

"My dear Soul" (Sanderson).

"Leaves Old Sweet Song" (Molloy).

8.41 p.m.—Victor Pharaoh, banjoist.

8.45 p.m.—J. M. Counsell:

"A musical half hour with the old Masters"

"The History and Development of Music."

8.15 p.m.—"Come to Tasmania."

#### NEWS SESSION.

9.30 p.m.—British Official Wireless news.

"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 Amateur

Cycling Association.

Athletic news by the Amateur Athletic As-

sociation of Tasmania.

Market reports from Messrs Wise and

Sterling.

Messrs Roberts and Co., and Messrs A. G.

Webster and sons.

10 p.m.—G.P.O. Clock chimes the hour.

God Save the King.

Close down.

## Saturday, October 6

New South Wales Broadcasting  
Company, Limited.

### 2FC, SERVICE.

#### EARLY MORNING SESSION.

7 a.m.—"Big Ben" and announcements.

7.5 a.m.—Studio music.

7.20 a.m.—Country Session: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services, river reports.

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

7.35 a.m.—Wool sales, breadstuffs markets, interstate markets, produce markets.

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

7.50 a.m.—Studio music.

8 a.m.—"Big Ben." Close down.

#### MORNING SESSION.

10 a.m.—"Big Ben" and announcements.

10.2 a.m.—Studio music.

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

10.25 a.m.—Studio music.

10.30 a.m.—Last minute sporting information by the 2FC Racing Commissioner.

10.40 a.m.—Studio music.

10.45 a.m.—A talk on Gardening by "Redgum" (G. J. Lockley).

11 a.m.—"Big Ben."

A.P.A. and Reuter's Cable Services.

11.5 a.m.—Close down.

#### MIDDAY AND AFTERNOON SESSIONS.

12 noon.—"Big Ben" and announcements.

12.2 p.m.—Stock Exchange information.

12.4 p.m.—Studio music.

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

12.15 p.m.—Rugby wireless news.

12.20 p.m.—Studio music.

Note: Events of the A.J.C. Spring Meeting at Randwick (final day) will be described in the running by the 2FC Racing Commissioner.

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

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

1.20 p.m.—Studio music.

Note: During racing intervals the following artists will be heard from the Studio:

Carlos Fabela, novelty pianist.

Richard Parry, basso.

Florence Page, songs at the piano.

Aldyth Hern, soprano.

From the Ambassadors:

The Ambassadors Dance Orchestra, conducted by Manuel Hyman.

4.45 p.m.—Complete sporting resume.

5 p.m.—"Big Ben." Close down.

#### EARLY EVENING SESSION.

5.30 p.m.—The chimes of 2FC.

5.32 p.m.—Music for the little ones.

Letters and stories.

6 p.m.—The "Farmyard Five" from Kookaburra Gully.

6.15 p.m.—Studio music.

6.30 p.m.—Weather intelligence, shipping, Stock Exchange.

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

6.40 p.m.—Rugby wireless news.

6.45 p.m.—Late sporting news.

7 p.m.—"Big Ben."

The 2FC Dinner Quartet, conducted by Horace Keats:

(a) "The Rustle of Spring" (Sinding).

(b) "Paradise Isle" (Pettis).

(c) "Carmen" (Bizet).

(d) "On the Way to Kew" (Clarke).

(e) "Coquette" (Lombardo).

#### NIGHT SESSION.

7.30 p.m.—Programme announcements.

7.35 p.m.—Pianoforte selection

7.50 p.m.—Dance music.

8 p.m.—"Big Ben." Harry Graham's Snapshots Revue Company:

1. Musical Snapshot, "The Overture."

2. An Introductory Snapshot, "We beg to introduce Ourselves."

3. Humorous Snapshot, "A rise in Wages."

4. Concerted Snapshot, "The Green Grass Grew."

5. Sketchy Snapshots, "The Absent-minded Doctor."

6. Vocal Snapshot, "Espanita."

7. Humorous Snapshot, "India."

8. Concerted Snapshot, "Seaside Courtship."

9. Vocal Snapshot, duet, "In the Garden of my Heart."

10. Sketchy Snapshot, "By-gones and Might-be's."

11. Finale Snapshot, "Good-night."

9 p.m.—"Big Ben." The N.S.W. Broadcasting Company's Orchestra. Conductor, Willie Redstone.

9.15 p.m.—Rosina Madell, soprano.

9.23 p.m.—The N.S.W. Broadcasting Company's Orchestra.

9.38 p.m.—C. R. Hall will continue his series of talks entitled, "Out and About in Iraq and Persia." No. 4, "By the Waters of Babylon."

9.53 p.m.—The N.S.W. Broadcasting Company's Orchestra.

10.8 p.m.—Rosina Madell, soprano.

10.15 p.m.—The N.S.W. Broadcasting Company's Orchestra.

10.30 p.m.—Late weather forecast.

Dance music.

10.40 p.m.—The Ambassadors' Dance Orchestra. Conductor, 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.

Studio accompanist, Carlton Fay.

### 2BL, SERVICE.

SATURDAY, 6th 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.—Musical Programme from the Studio.

8.15 a.m.—G.P.O. Clock and Chimes.

News from the "Daily Telegraph Pictorial."

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

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.

Musical Programme from the Studio.

9.0 a.m.—G.P.O. Clock and Chimes.

Musical Programme from the Studio.



8.30 a.m.—G.P.O. Clock and Chimes.  
A Reading.  
9.40 a.m.—Musical Programme from the Studio.  
10.0 a.m.—G.P.O. Clock and Chimes.  
Close Down.

## MIDDAY SESSION.

1.30—2.0: J. KNIGHT BARNETT.  
11.0 a.m.—G.P.O. Clock and Chimes.

## WOMEN'S SESSION:

11.30 a.m.—Talk on Gardening, by Mr. G. Cooper, Parks Superintendent, City Council.  
12 noon.—G.P.O. Clock and Chimes.  
Special Ocean Forecast and Weather Report.  
12.3 p.m.—Musical Programme from the Studio.  
12.30 p.m.—"Sun" News Service.  
12.40 p.m.—What's on at the Pictures and Theatres.  
12.45 p.m.—Pianoforte Recital from the Studio.  
1.0 p.m.—G.P.O. Clock and Chimes.  
Musical Programme from the Studio.  
1.30 p.m.—"Sun" News Service.  
1.40 p.m.—Musical Programme from the Studio.  
2.0 p.m.—G.P.O. Clock and Chimes.  
Close Down.

## AFTERNOON SESSION.

3 p.m.—G.P.O. Clock and chimes.  
Note: During the afternoon race results from the A.J.C. Spring Meeting at Randwick will be broadcast by courtesy of the "Sun" newspapers.  
From the Crystal Palace Theatre: Harry Cross and the Crystal Palace Orchestra.  
3.20 p.m.—"Sun" News service.  
3.30 p.m.—Miss Ethel Law, mezzo soprano: "Bridal Dawn" (Martin).  
3.33 p.m.—Hawaiian Guitar Trio:  
(a) "Aloha Oe" (Liluokalani).  
(b) "Hilo March" (Pale).  
(c) "Souvenirs" (Nicholls).  
3.43 p.m.—Studio Music.  
3.55 p.m.—From the Crystal Palace Theatre: Harry Cross and the Crystal Palace Orchestra.  
4.15 p.m.—Miss Ethel Law: "Powder and Patches" (Phillips).  
4.18 p.m.—From the Crystal Palace Theatre: Harry Cross and the Crystal Palace Orchestra.  
4.40 p.m.—The Hawaiian Guitar Trio:  
(a) "Honolulu March" (Traditional).  
(b) "Hanohano Hanalei" (Alohibea).  
(c) "Kawaihau Waltz" (Traditional).  
4.50 p.m.—Racing resume.  
5 p.m.—G.P.O. Clock and chimes.  
Close down.

## EARLY EVENING SESSION.

5.45 p.m.—G.P.O. Clock and chimes.  
Young Children's Session.  
6.30 p.m.—2BL Dinner Orchestra:  
(a) "Catherine" (Tchaikowsky).  
(b) "O Star of Eve" (Wagner).  
(c) "Rag Doll" (Brown).  
(d) "A Kiss in the Dark" (Herbert).  
(e) "That's my Mammy" (Baer).  
7 p.m.—G.P.O. Clock and Chimes.  
Complete Racing Resume.  
Complete Sporting resume.  
7.30 p.m.—"Sun" news service.

## EVENING SESSION.

8 p.m.—G.P.O. clock and chimes.  
King's Mandolin Orchestra.  
8.7 p.m.—Mr. H. C. Gilson, tenor:  
(a) "At Dawning" (Cadman).  
(b) "The Living God" (O'Hara).  
8.14 p.m.—Mr. Robert Turner, elocutionist:  
(a) "Soft as Oi Looks" (Lyser).  
(b) "You must have a little bit of Fun" (Wood and Gilson).  
8.21 p.m.—Miss Lola Estelle:  
Songs at the Piano.  
8.28 p.m.—Studio programme.  
9.30 p.m.—King's Mandolin Orchestra.  
9.37 p.m.—Talk on the Aborigines, by Bringa.  
9.52 p.m.—Mr. Ray James, novelty pianist:  
(a) "Rag Doll" (Brown).  
(b) "Laugh, Clown, Laugh" (Fiorito).  
9.59 p.m.—Mr. H. C. Gilson:  
(a) "Mountain Lovers" (Squires).  
(b) "Till I Awake" (Finden).

10.6 p.m.—Mr. Robert Turner:  
(a) "Publishing the Banns" (Thomas, arr. Turner).  
(b) "Waratah and Wattle" (Lawson).  
10.13 p.m.—Mr. Ray James:  
(a) "Ice Cream" (Noel-King).  
(b) "Ramona" (Wayne).  
10.20 p.m.—Miss Lola Estelle.  
10.27 p.m.—Resume of following day's programme.  
10.30 p.m.—The Wentworth Cafe Dance Orchestra, under the direction of Mr. Jimmy Elkins, broadcast from the Wentworth. During intervals between dances, "Sun" news will be broadcast.  
11.30 p.m.—G.P.O. clock and chimes.  
National Anthem.

## 3LO, MELBOURNE.

SATURDAY, 6th 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 p.m.—Time signal. Express train information.  
8.1 a.m.—Morning Melodies.  
8.15 a.m.—Close down.

## MORNING SESSION.

11 a.m.—THE STATION ORCHESTRA:  
"Italian Scenes" (Brand).  
"Chanson D'Automne" (Hall).  
11.10 a.m.—LEN MAURICE, baritone:  
"Wireless Whispers."  
11.17 a.m.—THE STATION ORCHESTRA:  
"Ballet of the Flowers" (Hadley).  
11.27 a.m.—ERIC WELCH will speak on to-day's races at Flemington.  
11.37 a.m.—LEN MAURICE, the Wireless Wag: "Whispers."  
11.44 a.m.—THE STATION ORCHESTRA:  
Suite, "Indian Summer" (Lake).  
"Two Sketches" (Frommel).

## MID-DAY 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. Reuter's and the Australian Press Association cables. "Argus" news service.

## NOT SO MODERN!

12.20 p.m.—THE STATION ORCHESTRA:  
Suite, "Imaginary Ballet" (Taylor).  
12.30 p.m.—MARCELLE BERARDI, Soprano:  
"Lo' Here the Gentle Lark" (Bishop).  
"Chanson Indoue" (Korsakoff).  
12.37 p.m.—Stock Exchange information.  
12.40 p.m.—GUILDFORD BISHOP, Violin:  
"Sonatina" (Hall).  
12.47 p.m.—THE STATION ORCHESTRA:  
Two Classics from Schubert.  
12.57 p.m.—Description of October Hurdle, 2 miles, V.R.C. Races, at Flemington, by ERIC WELCH.  
1.5 p.m.—FRED. BLUETT, Comedian:  
Selections from his repertoire.  
1.12 p.m.—Meteorological information.  
Weather forecast for Victoria, Tasmania, South Australia and New South Wales.  
Ocean forecasts. River reports.  
1.20 p.m.—HUXHAM'S SERENADERS:  
Quartette: "Nothing to do but Love."  
1.37 p.m.—Description of Maribyrnong Trial Stakes (colts and geldings), 4½ furlongs, V.R.C. Races, at Flemington, by ERIC WELCH.  
1.45 p.m.—THE STATION ORCHESTRA:  
Selection, "Lucretia Borgia" (Donizetti).  
1.55 p.m.—Close down.

## AFTERNOON SESSION.

2.15 p.m.—SONORA RECITAL.  
2.27 p.m.—Description of Stand Handicap, 1¼ miles, V.R.C. Races, at Flemington, by ERIC WELCH.  
2.35 p.m.—Description of Cricket, Carlton v. Fitzroy, by Rod McGregor.  
3 p.m.—Description of Dockerty Cup Final, Soccer, by R. H. Owen.  
3.7 p.m.—Description of Maribyrnong Trial Stakes (for fillies), 4½ furlongs, V.R.C. Races, at Flemington, by ERIC WELCH.  
3.15 p.m.—Description of Dockerty Cup Final, Soccer, by R. H. Owen.  
3.30 p.m.—Description of Cricket, Carlton v. Fitzroy, at Carlton, by Rod McGregor.  
3.42 p.m.—Description of October Steeplechase, 2 miles ½ furlong, V.R.C. Races, at Flemington, by ERIC WELCH.  
3.50 p.m.—Description of Dockerty Cup Final, Soccer, by R. H. Owen.  
4 p.m.—Description of Cricket, Carlton v. Fitzroy, at Carlton, by Rod McGregor.  
4.22 p.m.—Description of October Stakes, one mile, V.R.C. Races at Flemington, by ERIC WELCH.  
4.30 p.m.—Description of Dockerty Cup Final, Soccer, by R. H. Owen.  
4.40 p.m.—Description of Cricket, Carlton v. Fitzroy, at Carlton, by Rod McGregor.  
4.57 p.m.—Description of Paddock Handicap, six furlongs, V.R.C. Races at Flemington, by ERIC WELCH.

## NEWS SESSION.

5 p.m.—Herald news session.  
5.10 p.m.—Close down.  
During the afternoon, results of the Wodonga races will be given as they come to hand.

## EVENING SESSION.

5.50 p.m.—Sporting results.  
6 p.m.—Answers to letters and birthday greetings by "Little Miss Kookaburra."  
6.25 p.m.—Musical interlude.  
6.30 p.m.—"Little Miss Kookaburra" will tell a fairy story for the weeny ones and for the bigger ones.  
"The Story of John Gilpin's Ride."

## NIGHT SESSION.

## STOCK EXCHANGE.

7.5 p.m.—Stock Exchange information.

## MARKET REPORTS.

7.15 p.m.—Official report of Newmarket Stock Sales, by the Associated Stock and Station Agents, Bourke Street, Melbourne. Fish market reports by J. R. Borrett Ltd. Rabbit prices. River reports. Market reports by the Victorian Producers' Co-operative Company Ltd. Poultry, grain, hay, straw, jute, dairy produce, potatoes and onions. Market reports of fruit, by the Victorian Fruit-growers' Association. Wholesale prices of fruit by the Wholesale Fruit Merchants' Association, Citrus Fruits.  
7.43 p.m.—Birthday greetings.

## OUT OF THE PAST.

7.45 p.m.—Of great interest to historians is the fact that New Zealand was first sighted by Captain Cook on October 6, 1769. Lord Tennyson, the Poet Laureate, died in 1892, and the Austro Germans invaded Serbia on October 6, 1915.  
7.46 p.m.—DR. J. A. LEACH—"Swallows." These aerial birds are closely associated with man. They use his verandahs, barns, chimneys, and even deserted mining shafts for nesting places. Go for a walk over a windy grass-land and swallows sweep round one to gather up the insects disturbed. See a swallow from the window of the East-West express train in the Australian "desert," and soon a station or camp appears. Obtaining food entirely from the air, swallows are sensitive to any diminution of supply in cold weather, and leave for a warmer winter home. Four types with quite different nesting habits have one representative each in Australia.



## A MAKER OF HISTORY.

8 p.m.—To-day is of special interest to musicians, for it is the birthday of JENNY LIND.

## A STUDIO CONCERT.

- 8.1 p.m.—THE STATION ORCHESTRA:  
"Prelude to Tristan and Isolde" (Wagner).  
8.7 p.m.—THE IVANHOE STROLLERS:  
"The Winds Whistle Cold."  
"Spin, Spin."  
8.14 p.m.—TASMA TIERNAN, 'cello:  
Selected.  
8.20 p.m.—DOROTHY HUMPHRIES, soprano:  
"Spring is Here."  
"Coming Home," by special request.  
8.27 p.m.—THE STATION ORCHESTRA:  
"Valse Caprice" (Rubenstein).  
8.34 p.m.—THE IVANHOE STROLLERS:  
"By Celia's Arbor."  
"The Beleaguered."  
8.41 p.m.—THE STATION ORCHESTRA:  
Selection, "Fedora."  
8.47 p.m.—The Record Feature of the Week.

## THE STADIUM.

8.50 p.m.—ERIC WELCH will describe the Wrestling Match for the Championship of the World.

## FROM THE STUDIO.

- 10.15 p.m.—THE STATION ORCHESTRA:  
Suite—"From India"—Part 1 (Popy).  
10.22 p.m.—DOROTHY HUMPHRIES,  
Soprano:  
"Twas April."  
DOROTHY HUMPHRIES and EDWIN GRAINGER, Duet:  
"At Love's Beginning."  
10.30 p.m.—A. ANDERSON, Clarinet:  
"Roberto tu che Adoro" (Meyerbeer).  
10.35 p.m.—LEN MAURICE, baritone:  
"Wireless Whispers."  
10.42 p.m.—THE STATION ORCHESTRA:  
Suite—"From India"—Part II.  
10.47 p.m.—THE IVANHOE STROLLERS:  
"The Pastorale."  
"On the Sea."  
10.52 p.m.—Late Sporting Results.  
THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS—  
"Be careful of poisons and poisonous plants."

## DANCE MUSIC.

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

## 3AR, MELBOURNE

SATURDAY, 6th 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:  
11.15 a.m.—Melba Stocks, mezzo:  
"Quand tu Chantes."  
"Silent Noon" (Vaughan Williams).  
11.22 a.m.—Radi-o-aces.  
11.37 a.m.—Melba Stocks, mezzo:  
"Love" (Liszt).  
"Thou Art Like a Tender Flow'ret" (Liszt).  
11.44 a.m.—Radi-o-aces.

## AFTERNOON SESSION.

- 2 p.m.—Laying the Foundation Stone of the addition of St. Vincent's Hospital, Melbourne by His Eminence Bonaventure Cardinal Cerretti, Papal Legate.

- 3.32 p.m.—Horace Calvert, tenor:  
"Star Vincino" (Salvator Rosa).  
"She Is All So Slight" (Brahe).  
3.39 p.m.—Edna Davies, xylophone:  
"Dancing Tambourine."  
Selected.  
3.46 p.m.—Althouse and McCallum, soprano and pianist, baritone and flute:  
Ten minutes with the classics.  
3.56 p.m.—Studio Orchestra:  
Suite, "Gitanela" (Lacome).  
4 p.m.—Announcements.  
4.10 p.m.—Iris Turner, soprano:  
"The Lass with the Delicate Air" (Arne).  
"Carmena" (Wilson).  
4.17 p.m.—Studio Orchestra:  
Selection, "Queen High" (Gensler).  
4.27 p.m.—Edna Davies, xylophone:  
"Marche Hongroise" (Kowalski).  
"Together We Two" (Berlin).  
4.34 p.m.—Horace Calvert, tenor:  
"Siciliana" from Cavalleria Rusticana (Mascagni).  
"Serenade" (Schubert).  
4.41 p.m.—Studio Orchestra:  
"Colinette" (Beaumont).  
"Salut a Pesth" (Kowalski).

## EVENING SESSION.

- 5 p.m.—A recital of the best and latest records.

## NIGHT SESSION.

- 8 p.m.—E. E. Pescott, a talk on, "Australasian Lants, entitled "Spider Orchids."  
8.15 p.m.—Under the auspices of "Advance Bendigo and the North League"—a talk on "Charlton."  
8.30 p.m.—Studio Orchestra:  
Selection, "Faust" (Gounod).  
8.45 p.m.—De Reske Four:  
"Ye Banks and Braes" (Bell).  
"Talk About Jerusalem Morning."  
8.52 p.m.—Edna Davies, xylophone:  
Selected.  
9 p.m.—Althouse and MacCallum, soprano and pianist, baritone and flute.  
9.10 p.m.—Studio Orchestra:  
Duet for trumpet and trombone, "A Night in Venice" (Lucantoni).  
"Dance of the Egyptian Maidens" (Shelley).  
Japanese intermezzo, "Fuji Ko" (Shelley).  
9.25 p.m.—De Reske Four:  
"Lass of Richmond Hills" (Hook).  
"Carry Me Back to Old Virginny" (Bland).  
9.32 p.m.—One Act Play: "A Marriage Has Been Arranged," by Alfred Sutro.

## CAST.

- Mr. Harrison Crockstead .... Eric Donald.  
Lady Aline de Vaux ..... Betty Rae.  
9.47 p.m.—Edna Davies, xylophone:  
Selected.  
9.54 p.m.—Bel Luscombe, soprano:  
"Come, for It's June" (Dorothy Forster).  
"Since Last I Saw You" (Oscar Allan).  
10.1 p.m.—Studio Orchestra:  
"Echoes of the Metropolitan Opera House" (Tobani).  
"To Spring" (Grieg).  
10.15 p.m.—De Reske Four:  
"Return Soft Gentle Evening" (Emerson).  
"Mellow Melon" (Richardson).  
10.22 p.m.—Studio Orchestra:  
Selection, "Wildflower" (Youmans).  
10.32 p.m.—Bel Luscombe, soprano:  
"Sometimes in My Dreams" (Guy d'Hardelet).  
"The Rose of Perfect Love" (Wilfred Sanderson).  
10.40 p.m.—Studio Orchestra:  
"A Southern Rhapsody" (Hosmer).  
Overture, "The Jolly Robbers" (Suppe).  
10.55 p.m.—Age News Service, exclusive to 3AR.  
10.58 p.m.—Weather forecast.  
11 p.m.—God Save the King.

## 4QG, BRISBANE.

SATURDAY, 6th OCTOBER, 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.—From Buranda:  
Seventh Day Adventist Church service.  
12.15 p.m.—Close down.

## AFTERNOON SESSION.

- From Albion Park:  
B.A.T.C. race meeting.  
Music from the studio between races.  
5 p.m.—Close down.  
EARLY EVENING SESSION.  
6 p.m.—From the studio.  
Mail train running times.  
Special "Queenslander" bi-weekly news service for distant listeners.  
6.30 p.m.—Bedtime stories conducted by "Uncles" Ben and Pete.  
7.15 p.m.—To-day's race results in brief.  
7.20 p.m.—General sporting notes.  
7.30 p.m.—Sailing notes.  
7.40 p.m.—Announcements.  
7.43 p.m.—Standard time signals.

## NIGHT SESSION.

- 8 p.m.—From the Savoy Theatre:  
Half-an-hour's programme of orchestral music by the Savoy Orchestra.  
8.30 p.m.—From the studio:  
An entertainment by the London Trio:  
Mary L. Spanjer, contralto, and Basil Stirling, baritone:  
Vocal duet, "Are You Going to Dance" (from "Count of Luxemburg"—Lehar).  
Lucy Baker, pianist:  
"Staccato Caprice" (Vogrich).  
Mary L. Spanjer, contralto:  
"Still as the Night" (Bohm).  
Basil Stirling, baritone:  
"Song of the Volga Boatman."  
Lucy Baker, pianist:  
"Automne" (Chaminade).  
Mary L. Spanjer, contralto:  
"The Dear Homeland" (Slaughter).  
Basil Stirling, baritone:  
"Queen of My Heart" (Chillier).  
Lucy Baker, pianist:  
"Valse Caprice" (Rubenstein).  
Mary L. Spanjer, contralto:  
Negro Spiritual, "Were You There" (Thomas).  
Basil Stirling, baritone:  
"Long Ago in Alcalá" (Messenger).  
Lucy Baker, pianist:  
"Krakowek" (Paderewski).  
Mary L. Spanjer, contralto, and Basil Stirling, baritone:  
"Sincerity" (Clarke).  
9.30 p.m.—From Lennon's Ballroom:  
Dance music by Douglas Draughn and his Lennon's Hotel Orchestra.  
At suitable times during the evening, descriptions of the main events will be relayed from the Davies Park Speedway.  
10 p.m.—From the studio:  
Late news, weather news. Close down.

## 5CL, ADELAIDE

SATURDAY, 6th OCTOBER, 1928.

## MORNING SESSION.

- 11 a.m.—G.P.O. Chimes.  
11.1 a.m.—"The Advertiser" General news service.  
11.15 a.m.—British Official Wireless news.  
11.20 a.m.—Studio "Recreator."  
Recital of Parlophone recordings.  
11.55 a.m.—5CL's Sporting Calendar.  
12 noon.—G.P.O. Chimes and Close down.

## AFTERNOON SESSION.

- 1 p.m.—G.P.O. Chimes.  
1.1 p.m.—Relay from the Morphettville Race course. A running description of the South Australian Jockey Club's events by Mr. Arnold Treloar. Interspersed with Musical numbers on the Studio "Recreator," and Flemington 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 Sporting.  
 6.10 p.m.—Children's Happy Moments: Birthday Greetings, Correspondence, Songs and Stories by "The Wattle Lady."  
 6.40 p.m.—Dinner Music: Recital of Parlophone 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.  
 7.10 p.m.—Rev. G. E. Hale, B.A.: Will speak on "Tolstoy."  
 7.25 p.m.—Talk on the afternoon's Sporting events.  
 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.—Special Surprise programme, relayed from 3LO Melbourne, including a description by Mr. Eric Welch of the World's Light heavy weight championship Wrestling contest from the Melbourne Stadium.  
 10.12 p.m.—5CL's Sporting Service.  
 10.25 p.m.—Relay from 3LO Melbourne (continued).  
 A Modern Dance programme by the famous Radi-o-aces.  
 11.10 p.m.—God Save The King.

## 6WF, PERTH.

SATURDAY, 6th OCTOBER, 1928.

## MIDDAY SESSION.

- 12 noon.—Tune in.  
 12.5 p.m.—Musical programme, including pianoorte selections by Miss Audrey Dean.  
 12.47 p.m.—Markets, News and Cables.  
 1 p.m.—Time signal.  
 1.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.  
 Station announcements.  
 1.2 p.m.—Close down.

## AFTERNOON SESSION.

- 2.15 p.m.—Tune in.  
 2.20 p.m.—Sporting Session.  
 Racing results, and progress scores (Quarter time) of the Grand Final Football match, Musical programme from the studio, including vocal and instrumental numbers.  
 5.30 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 Uncle Duffy and the Radio Bird. Fairy stories for the Tiny Tots by Auntie Amy.  
 7.5 p.m.—Sports results.  
 7.30 p.m.—Markets, News and cables.  
 7.45 p.m.—Talk.  
 8 p.m.—Time signal.  
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.  
 Station announcements such as alterations to programmes, etc.  
 8.3 p.m.—Music and Song.  
 Musical programme from the studio, including vocal and instrumental artists; Items by Madame Bennett-Wilkinson's Concert Party;  
 Motor cycling events described in detail, relayed from the Claremont Speedway,  
 Dance music by Patman's Orchestra, relayed from the Unity Theatre.  
 9 p.m.—Late News items by courtesy of "The Daily News" Newspaper Co.  
 Ships 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, 6th OCTOBER, 1928.

## MIDDAY SESSION.

- 11.30 a.m.—Special Midlands Weather forecast.  
 11.31 a.m.—Selection on the studio "Recreator."  
 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.—Selections on the studio "Recreator."  
 12.11 p.m.—British Official Wireless news.  
 12.20 p.m.—Selections on the Studio "Recreator."  
 12.29 p.m.—Announcements.  
 12.33 p.m.—Selections on the Studio "Recreator."  
 12.55 p.m.—"Mercury" news service.  
 Produce sales held at Railway.  
 1 p.m.—Running description of October Hurdle 2 miles, at V.R.C. Flemington, Victoria.  
 1.5 p.m.—Selections on the Studio "Recreator."  
 1.30 p.m.—Close down.  
 1.40 p.m.—Running description of Maribyrnong Trial Stakes (for colts and geldings) 4½ furlongs V.R.C. Races, at Flemington, Victoria.  
 1.45 p.m.—Close down.

## AFTERNOON SESSION.

- 2.30 p.m.—Running Description of Stand Handicap 1¼ miles V.R.C. Races, at Flemington, Victoria.  
 2.35 p.m.—Description of Football Match Carlton v The League at North Hobart Football Ground, by Sid Jones.  
 3.5 p.m.—Running description of Maribyrnong Trial Stakes (for fillies) 4½ furlongs, V.R.C. Races, at Flemington, Victoria.  
 3.10 p.m.—Description of Football Match, Carlton v. The League, at North Hobart Football Ground, by Sid Jones.  
 3.20 p.m.—Results of ¼ time Tasmanian League Football and repeat of all Sporting information to hand.  
 3.25 p.m.—Description of Football Match, Carlton v The League, at North Hobart, Football Ground, by Sid Jones.  
 3.40 p.m.—Running description of October Steeplechase 2 miles ½ furlong, V.R.C. Races, at Flemington, Victoria.  
 3.45 p.m.—Description of Football Match, Carlton v. The League, at North Hobart Football Ground, by Sid Jones.  
 3.55 p.m.—Half Time Tasmanian League Football.  
 4 p.m.—Description of Football Match, Carlton v. The League, at North Hobart, Football Ground, by Sid Jones.  
 4.15 p.m.—Running description of October Stakes, 1 mile, V.R.C. Races, at Flemington, Victoria.  
 4.20 p.m.—Results of Melbourne Football League ½ time scores; Tasmanian League ¾ time scores.  
 4.25 p.m.—Description of Football Match, Carlton v. The League at North Hobart Football Ground, by Sid Jones.  
 4.45 p.m.—Running description of Paddock Handicap 6 furlongs, V.R.C. Races, at Flemington, Victoria.  
 4.50 p.m.—Description of Football Match, Carlton v. The League at North Hobart Football Ground, by Sid Jones.  
 Repeat of all sporting information.  
 5 p.m.—Close down.  
 Progress results of the 15 mile Modified Marathon will be given during the afternoon as they come to hand.

## EARLY EVENING SESSION.

## CHILDREN'S HOUR.

- 6.15 p.m.—Musical selections on the Studio "Recreator."

- 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.—Selections on the Studio "Recreator."  
 7.15 p.m.—"Mercury" special information.  
 Hobart Stock Exchange quotations.  
 To-day's Tennis, Golf, Athletic, Racing, Football, and Cycling results.

## EVENING SESSION.

- 7.30 p.m.—Miss Irvine will give a talk on: "Cookery."  
 7.45 p.m.—Roy Johnson, will give an: "Educational Talk."  
 8 p.m.—G.P.O. Clock chimes the hour.  
 Fifty years ago to-day.  
 "All our past proclaims our future."  
 Swinburne.  
 8.1 p.m.—Under the Auspices of the Child Welfare Organisation Lady Nichols will speak on: "The aims and Objects of the Association."  
 8.10 p.m.—Selections on the Studio "Recreator."  
 8.20 p.m.—Winner of today's 15 mile Marathon will broadcast his experiences of to-days race.  
 8.30 p.m.—Transmission from the Continental, Macquarie Street, Hobart.  
 Dance music by the Continental Orchestra.  
 During this session Vocal selections on the "Recreator" will be broadcast from The Studio.

## NEWS SESSION.

- 10.20 p.m.—British Official Wireless news.  
 "Mercury" special Interstate news service.  
 Ships within wireless range.  
 Tasmanian District Weather reports.  
 10.24 p.m.—God Save the King.  
 Close down.

## Sunday, October 7

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.  
 10.50 a.m.—From the Christ Church, St. Laurence: The Morning Service.  
 12.15 p.m.—Close Down.

## AFTERNOON SESSION.

- 2.30 p.m.—Programme Announcements.  
 2.32 p.m.—Children's Session.  
 3.0 p.m.—"Big Ben." Studio Music.  
 3.15 p.m.—From the Sydney Town Hall: Organ Recital by the City Organist, Ernest Truman.  
 4.15 p.m.—From the Studio:  
 Clyde Thorpe, Violinist:  
 (a) "Rondino" (Beethoven-Kreisler).  
 (b) "Chanson Polonaise" (Emilio Pente).  
 4.22 p.m.—Molly Neill, Mezzo:  
 (a) "Sunday" (Molly Carew).  
 (b) "Baby Eyes" (Hermann Lehr).  
 4.27 p.m.—William Bowyer, Basso:  
 4.33 p.m.—Clyde Thorpe, Violinist:  
 (a) "Gavotte" (Gossec-McMahon).  
 (b) "Tarantella" (Papini).  
 4.40 p.m.—Molly Neill, Mezzo:  
 (a) "Birds in the Nest" (Choveaux).  
 (b) "The Fiddler of June" (Leslie Elliot).  
 4.46 p.m.—William Bowyer, Basso:  
 4.55 p.m.—Studio Music.  
 5.0 p.m.—"Big Ben." Close Down.



EVENING SESSION.

- 6.0 p.m.—"Big Ben" and Programme Announcements.  
 6.2 p.m.—The "Tuneful Three," Instrumentalists.  
 6.15 p.m.—Winifred Batchelor, Soprano:  
 (a) "Turn Thee to Me" (Dvorak).  
 (b) "By the Wayside" (Forster).  
 6.23 p.m.—The "Tuneful Three," Instrumentalists.  
 6.35 p.m.—A Talk in Connection with Health Week.  
 6.45 p.m.—Winifred Batchelor, Soprano:  
 (a) "The Asra" (Rubinstein).  
 (b) "A Necklace of Love" (Nevin).  
 6.52 p.m.—The "Tuneful Three," Instrumentalists.  
 7.0 p.m.—"Big Ben." A. G. Ellis, Baritone:  
 (a) "Isobel" (Frank Bridge).  
 (b) "Eleanor" (Coleridge Taylor).  
 7.3 p.m.—The "Tuneful Three," Instrumentalists.  
 7.20 p.m.—A. G. Ellis, Baritone:  
 (a) "The Philosopher's Song" (Easthope Martin).  
 (b) "Harvest" (Del Riego).  
 7.28 p.m.—The "Tuneful Three," Instrumentalists.  
 7.40 p.m.—Responsibilities of Citizenship: A series of talks by Public Men.  
 1. "An Australian's Greatest Inheritance." by the Hon. R. B. Orchard, C.B.E.  
 8.0 p.m.—"Big Ben." Concert arranged by the New South Wales Broadcasting Company Limited in aid of the United Charities' Fund.  
 Overture, "John O'Gaunt" (Rimmer).  
 March, "The Cossack" (Rimmer).  
 The Metropolitan Band. Conductor, John Palmer.  
 8.17 p.m.—Baritone Solo, Selected:  
 Vladimir Elin.  
 8.27 p.m.—Violin, "Concerto" (Paganini).  
 Rene Rich.  
 8.37 p.m.—March, "Royal Artillery" (Ord Hume).  
 Metropolitan Band.  
 8.44 p.m.—Soprano, "Nobil Signor" (Les Huguenots), (Meyerbeer).  
 Mabel Batchelor.  
 8.54 p.m.—Violin, "Hejre Kati" (Hubay).  
 Rene Rich.  
 9.4 p.m.—Fantasia, "Sabbath Chimes" (with Bell Accompaniment), (Round).  
 Metropolitan Band.  
 9.15 p.m.—Baritone, Selected,  
 Vladimir Elin.  
 9.25 p.m.—Trombone, "The Village Blacksmith" (Weiss).  
 Soloist, F. D. Lowe (Metropolitan Band).  
 9.33 p.m.—Soprano, "Le Saran Rose" (Arditti).  
 Mabel Batchelor.  
 9.45 p.m.—Selection, "Lortizing" (Round).  
 Metropolitan Band.  
 At the Piano: Horace Keats.  
 10.0 p.m.—From the Studio:  
 Pianoforte Recital.  
 10.30 p.m.—National Anthem. Close Down.

2BL, SERVICE.

SUNDAY, 7th OCTOBER, 1928.

MORNING SESSION.

- 11.0 a.m.—Service Broadcast from Chalmers' Presbyterian Church, City. 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.  
 Pleasant Sunday Afternoon.  
 4.0 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 Bas and the Kiddies.  
 7.0 p.m.—Service Broadcast from Petersham Baptist Church. Minister, Rev. G. A. Craike.  
 8.30 p.m.—From the Studio: Miss Bertha Waters (Soprano).  
 8.37 p.m.—Mr. Bryce Carter (Cellist):  
 "Kol Nidrei" (Bruch).  
 8.47 p.m.—Mr. Stanley R. Catlett (Tenor):  
 (a) "L'Ultima Canzone" (Tosti).  
 (b) "Desiree" (Parker).  
 8.54 p.m.—Mr. Marcus Burkitt (Piano Solos).  
 9.1 p.m.—Weather Report and Forecast by courtesy of Government Meteorologist.  
 Mr. Oliver King (Basso):  
 (a) "A Man's a Man for a' that" (Burns).  
 (b) "Ailie Bain" (Old Gaelic).  
 (c) "The Arrow and the Song" (Balfe).  
 9.8 p.m.—Mr. James Compton (Cornetist).  
 9.15 p.m.—Miss Bertha Waters.  
 9.22 p.m.—Mr. Bryce Carter:  
 "Andante," from "Sonata in G" (Marcello).  
 "Allegro," from "Sonata in G" (Marcello).  
 "Grave," from "Sonata in G" (Marcello).  
 "Allegro," from "Sonata in G" (Marcello).  
 9.29 p.m.—Mr. Stanley R. Catlett:  
 (a) "Like Stars Above" (Squire).  
 (b) "The Lazy Seas of Devon" (Clarke).  
 9.36 p.m.—Mr. Marcus Burkitt.  
 9.43 p.m.—Mr. Olive King:  
 (a) "Honour and Arms" (Handel).  
 (b) "Sittin' Thinkin'" (Fisher).  
 9.50 p.m.—Resume of Following Day's Programme.  
 9.53 p.m.—Mr. James Compton.  
 10.0 p.m.—National Anthem.

3LO, MELBOURNE

SUNDAY, 7th OCTOBER, 1928.

MORNING SESSION.

- MORNING SERVICE FROM WESLEY CHURCH, LONSDALE STREET, MELBOURNE.  
 10.30 a.m.—Bells from St. Paul's Cathedral.  
 10.45 a.m.—Express Train Information. British Official Wireless News from Rugby. News from yesterday's papers.  
 11 a.m.—MORNING SERVICE FROM CENTRAL MISSION WESLEY CHURCH, conducted by REV. J. H. CAIN.  
 Doxology.  
 Invocation.  
 Hymn, "Was There Ever Kindest Shepherd."  
 Prayer.  
 Hymn, "I Need Thee Every Hour."  
 Solo.  
 Scripture Reading, Psalm 139.  
 Anthem.  
 Notices and Offering.  
 Children's Hymn, "My Jesus I Love Thee."  
 Sermon.  
 Hymn, "I Am Trusting Thee, Lord Jesus."  
 Benediction.  
 12.15 p.m.—Close down.

AFTERNOON SESSION.

- 2 p.m.—SONORA RECITAL OF THE WORLD'S MOST FAMOUS RECORDS:  
 SONG: "Ay, Ay, Ay" ("Guyana"—Osman Perez Freire) (In Spanish).  
 Sung by TITO SCHIPA, tenor.  
 'CELLO SOLO: "O Star of Eve" (Tannhauser—Wagner). PABLO CASALS.  
 ARIA: "Prize Song—The Mastersingers of Nuremberg." (Morning Was Gleaming with Roseate Light) (Wagner). In English.  
 JOSEPH HISLOP, tenor.  
 SACRED SONG: "O Come All Ye Faithful" (Adeste Fideles). In Latin—with male chorus.  
 JOHN McCORMACK, tenor.  
 BAND: "Henry VIII. Dances" (German).  
 Band of H.M. Coldstream Guards (Conducted by Lieut-Col. J. Macquenzie-Rogan, M.V.O., Mus.Doc., Hon. R.A.M.).  
 PIANOFORTE SOLO: "Liebestraume"—No. 3 (Liszt). Wilhelm Backhaus.

- 3 p.m.—PLEASANT SUNDAY AFTERNOON, from the CENTRAL MISSION, WESLEY CHURCH, LONSDALE STREET, MELBOURNE.  
 Chairman—Rev. J. H. CAIN.  
 Hymn No. 20, "Hail Thou Once Despised Jesus."  
 Prayer, Rev. C. Irving Benson.  
 Orchestral Selection, Mr. G. M. Williams, Conductor.  
 Hymn No. 81, "There's Not a Friend."  
 Solo, Mr. J. M. Hill.  
 Orchestra.  
 Solo, Mr. J. M. Hill.  
 Notices, Offering and Orchestra.  
 ADDRESS.  
 National Anthem.  
 Benediction.  
 Orchestra.  
 4.30 p.m.—Close own.

EVENING SESSION.

CHILDREN'S HOUR.

- 5.45 p.m.—Shipping information.  
 5.46 p.m.—Answers to Letters and Birthday Greetings by "Billy Bunny."  
 6.25 p.m.—"BROTHER BILL":  
 "Make Hay While the Sun Shines."  
 6.45 p.m.—Bells from St. Paul's Cathedral.

NIGHT SESSION.

- 6.50 p.m.—Organ Voluntary: Prelude and Fugue on "St. George" (Marchant).  
 E. T. PRENTICE.  
 7 p.m.—Hymn, "Come Let Us Join with Faithful Souls" (Tarrant).  
 Opening Sentences and Prayer, REV. WILLIAM BOTTOMLEY.  
 Solo, "I Love My God and He Loves Me" (Bullock).  
 MARJORIE HATCHARD, A.R.A.M.  
 Meditative Poem from the "Gitanjali" (Tagore).  
 REV. WILLIAM BOTTOMLEY.  
 Solo, "Nearer, My God, to Thee" (Carey).  
 M. J. PETTIGROVE.  
 Reading, "The Miraculous Wine" (St. John 2: 1-10).  
 Solo, "The Heart Worships" (Holst).  
 MARJORIE HATCHARD, A.R.A.M.  
 Anthem, "Comes, at Time, a Stillness" (Woodward).  
 THE CHOIR.  
 ANNOUNCEMENTS.  
 Hymn, "We Love the Venerable House" (Emerson).  
 SERMON, "THE WINE OF LIFE,"  
 REV. WILLIAM BOTTOMLEY.  
 Organ Voluntary, "Ave Maria" (Schubert).  
 E. T. PRENTICE.  
 Solo, "Beyond the Dawn" (Sanderson).  
 A. L. CUNNINGHAM.  
 Hymn, "Softly the Silent Night" (Blatchford).  
 BENEDICTION.  
 VESPER.  
 Organ Voluntary, "Gran Choeur" (Mozart).  
 E. T. PRENTICE.  
 ORGANIST AND CHOIR MASTER, E. T. PRENTICE.

FROM THE STUDIO.

- 8.30 p.m.—Birthday Greetings and Programme Announcements.  
 8.33 p.m.—MALVERN TRAMWAYS BAND:  
 Overture, "Poet and Peasant" (Suppe).  
 (By request).  
 8.40 p.m.—ELSY TREWEEK, soprano:  
 "With Verdure Clad" (Hayden).  
 8.47 p.m.—THE STRAD TRIO:  
 "Variations, Op. 121" (Beethoven).  
 9 p.m.—MELBOURNE CHORAL UNION:  
 "Come to the Fair."  
 "Trust Thee, My Baby."  
 9.7 p.m.—CECIL PARKES AND MAY BRODERICK, violin and piano:  
 "Sonata in A Major for Violin and Piano" (Cesar Franck).  
 Recitative—Fantasia.  
 Allegretto poco mosso.  
 9.19 p.m.—ELSY TREWEEK, soprano:  
 "Nearer, My God, to Thee" (Carey).  
 Selected.



- 9.26 p.m.—THE STRAD TRIO:  
"Trio in G Major—Gipsy Rondo" (Haydn).  
Andante.  
Poco Adagio Cantabile.  
Gipsy Rondo.  
9.39 p.m.—MELBOURNE CHORAL UNION:  
"Little Bo-peep."  
"O Favoured Isle."  
9.46 p.m.—MALVERN TRAMWAYS BAND:  
Air Varie (Sacred).  
"Sandon" (Rimmer).

## NEWS SESSION.

- 9.55 p.m.—"Argus" news service. Announcements. Meteorological information.  
10 p.m.—Close down.

## 3AR, MELBOURNE

SUNDAY, 7th OCTOBER, 1928.

## MORNING SESSION.

- 10.45 a.m.—Announcements.  
11 a.m.—Pontifical High Mass, St. Ignatius' Church, Richmond. Presided over by the Papal Legate, Cardinal Cerretti.  
Celebrant: The Right Rev. Dr. Ryan, C.M., Bishop of Sale.  
Sermon after the first Gospel by the Rev. Charles Martindale, S.J., English representative to the Eucharistic Congress.  
The Choir of sixty voices will render the Mass of the Sacred Heart. At the conclusion of the Mass the Choir will sing Handel's "Hallelujah Chorus."

## MIDDAY SESSION.

- 12.15 p.m.—A recital of the best and latest records.  
2 p.m.—Close down.

## AFTERNOON SESSION.

- 2.30 p.m.—Solemn Blessing of the New Spire by his Eminence Cardinal Cerretti, the Papal Legate, after which a meeting will take place in the quadrangle behind the church, when a welcome will be given to his Eminence the Cardinal.  
4.30 p.m.—Close down.

## CHILDREN'S HOUR.

- 5 p.m.—"Brer Rabbit" in a special Children's Session.  
5.30 p.m.—Close down.

## EVENING SESSION.

- 7 p.m.—Sunday School Anniversary Celebrations from Aberfeldie Methodist Church, Waverley Street, Essendon. Preacher, "Brer Rabbit" (Mr. H. Book).  
Conductor, Mr. W. W. Jay.  
Pianiste, Miss Eunice Francis, L.L.C.M., A.L.C.M.  
Orchestra, Mr. J. T. A. Smedhurst.  
Opening Hymn, "Now in Strains Upraising."  
Prayer.  
Hymn, "The Master's Call." Soloist, G. Downs. Quintet, F. Wann, I. Broadway, D. Sanders, L. Francis, N. Gyles.  
First Lesson, First Psalm.  
Children's Address, "Discipline."  
Hymn, "Sweet Hour of Prayer."  
Second Lesson, 1st Corinthians, 13th chapter.  
Announcements and offerings, during which hymn, "Brightly Gleams our Banner," will be sung.  
Congregational Hymn, "I've Found a Friend."  
Sermon, "Love."  
G. Crabb and I. Hall, duet, "God is Love."  
Closing hymn, "Serve the Lord in Youth."  
Benediction.  
Retiring Hymn, "Welcome the Sabbath."

## NIGHT SESSION.

- 8.30 p.m.—Brunswick City Band:  
Selection, "The Bohemian Girl" (Balfe).  
March, "The Rover" (Hume).  
8.50 p.m.—The Radio Merry-makers:  
Excerpts from "Maritana."  
9.11 p.m.—Brunswick City Band:  
Selection, "Recollections of Carl Rosa."  
(Round).  
Hymn, "Rockdale" (Owen).  
9.23 p.m.—The Radio Merry-makers:  
Excerpts from "Maritana."  
9.42 p.m.—Brunswick City Band:  
Fantasia, "The Maid of Orleans" (Laurent).  
9.52 p.m.—"Age" news service, exclusive to 3AR.  
9.58 p.m.—Weather forecast.  
10 p.m.—God Save the King.

## 4QG, BRISBANE

SUNDAY, 7th OCTOBER, 1928.

## MORNING SESSION.

- 11 a.m.—From St. John's Cathedral:  
Morning service.  
Close down.

## AFTERNOON SESSION.

- 3.15 p.m.—From The Botanic Gardens:  
Citizens' Band concert.  
4.30 p.m.—Close down.

## EARLY EVENING SESSION.

- 6.30 p.m.—From the Studio:  
A special session for little listeners—greetings and replies to letters.

## NIGHT SESSION.

- 7.30 p.m.—From St. John's Cathedral:  
Evening service.  
At the conclusion of the church service, the concert by the Brisbane Municipal Concert Band will be relayed from Wickham Park.  
9.30 p.m.—Close down.

## 6WF, PERTH.

SUNDAY, 7th OCTOBER, 1928.

## MORNING SESSION.

- 10.25 a.m.—Tune in.  
10.30 a.m.—Special half hour for the enthusiastic listener.  
11 a.m.—Morning church service.  
12.5 p.m.—Close down.

## AFTERNOON SESSION.

- 3.30 p.m.—Tune in.  
4.35 p.m.—A Relay.  
Sunday School Anniversary service, relayed from Charles Street Methodist Church, West Perth.  
5 p.m.—Close down.

## EVENING SESSION.

- The evening transmission is broadcast on 104.5 metres as well as the usual wavelength.  
7.5 p.m.—Children's bedtime stories.  
7.30 p.m.—Evening church service.  
8.45 p.m.—A Relay:  
After-church service and concert by the Perth City Band, conducted by Mr. L. M. Price, relayed from Queen's Hall, William street.  
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, 7th OCTOBER, 1928.

## MORNING SESSION.

- 10.45 a.m.—Bells from Trinity Church, Hobart.  
11 a.m.—Morning Service from Wesley Church, Hobart.

## ORDER OF SERVICE.

- Hymn, No. 51, "Eternal Light."  
Prayer.  
Psalm, No. 84.  
Hymn, No. 370, "Jesus high in glory."  
Lesson.  
Hymn, No. 526, "Come Saviour Jesus."  
Sermon.  
Hymn, No. 433, "Soldiers of Christ."  
12.25 p.m.—Close down.

## AFTERNOON SESSION.

- 3.30 p.m.—Transmission from Davey Street, Methodist Church, Hobart.  
Pleasant Sunday Afternoon Service.  
Hymn, No. 972, "God Bless our Native Land."  
Prayer, Rev. A. Crookes Hull.  
Harold Turner, solo.  
Ena Twibell, violin solo.  
J. Harold Brown, solo.  
Helen George, solo (Piano).  
Kitty Crowder, solo.  
Jack Read, solo.  
Notices and Offering.  
Helen George, solo (Piano).  
Hymn No. 980, "These things shall be."  
Address, Miss Barbara Storey.  
"Religion and Politics."  
National Anthem.  
4.30 p.m.—Close down.

## EARLY EVENING SESSION.

- 6.30 p.m.—The Fairy Girl will tell:  
"Another Really True Story."  
6.45 p.m.—Musical Selections on the Studio "Recreator."

## EVENING SESSION.

- 7 p.m.—Evening Service from Davey Street, Methodist Church, Hobart.  
Minister, Rev. A. Crookes Hull.  
58th Anniversary Service.  
Doxology.  
Hymn No. 207, "All Hail the Power."  
Brief Prayer.  
Lord's Prayer (Chanted).  
Hymn, No. 150, "Tell me the Old, Old Story."  
Lesson, Matthew 13th. 1 to 9th, 18th to 23rd.  
Prayer.  
Solo, Selected.  
Pulpit Notices and Offering.  
Anthems, "Lift up your Head" (Hopkins).  
Hymn, No. 410, "Dear Lord and Father of Mankind."  
Sermon, "Essentials Lacking."  
(Rev. A. Crookes Hull).  
Hymn, No. 588, "O Thou who camest from Above."  
"Benediction."  
8.20 p.m.—Community Hymn, "O for a thousand Tongues to Sing."  
8.25 p.m.—Post Service Song Recital:  
"Selection of Negro Spirituals," (arranged by Madame Lucy Atkins).  
Items by: Misses Gweneth Davidson, Jean Hibbard, Katie Rothwell, Gertrude Sneddon, Enid Bradley, Lynn Starr, Enid Brownell.  
Sacred Recitation, Miss Barbara Storey.  
Concluding with Hymn No. 645, "The day Thou Gavest."  
9.15 p.m.—"Benediction."  
Rev. A. Crookes Hull.  
9.20 p.m.—From the studio:  
Sacred and Classical Experts on the Studio "Recreator."  
9.44 p.m.—"Mercury" special news service.  
Ships within wireless range.  
Weather information.  
God Save The King.  
Close down.



## Monday, October 8

New South Wales Broadcasting  
Company, Limited.

## 2FC, SERVICE.

## EARLY MORNING SESSION.

- 7 a.m.—"Big Ben" and announcements.  
7.5 a.m.—Studio music.  
7.20 a.m.—Country Session: Official weather forecast, rainfall, temperatures, astronomical memoranda, shipping intelligence, mail services, river reports.  
7.25 a.m.—Investment market, mining share market, metal quotations.  
7.35 a.m.—Wool sales, breadstuffs market, 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.—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 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.  
1.38 p.m.—Stock Exchange, second call.  
1.30 p.m.—Popular studio music.  
2 p.m.—"Big Ben." Close down.

## AFTERNOON SESSION.

Note: Throughout the afternoon progress results from the National Rifle Association Meeting at Liverpool will be broadcast as received.

- 2.30 p.m.—Programme Announcements.  
2.32 p.m.—Educational Session for the Schools: Talk, "Everyday Things of the Past," interspersed with suitable music.  
3 p.m.—"Big Ben."  
A Talk in connection with Health Week.  
3.10 p.m.—Carlton Fay, pianoforte solo: "Mississippi" (a descriptive Tone Journey in four Movements) (Ferdie Frofe).  
3.21 p.m.—Studio music.  
3.30 p.m.—Carlton Fay, pianoforte solo:  
(a) "Romance Pansienne" (Hall).  
(b) "Valse Aerienne" (Leibetz).  
(c) "Russian Dance" (Englemann).  
3.40 p.m.—Studio music.  
3.45 p.m.—"Teacups Chatter," by "Pandora."  
4 p.m.—"Big Ben."  
Enid D'Arcy, soprano:  
(a) "Yesterdays" (Frank Lambert).  
(b) "Love's Messengers" (Hermann Lohr).  
4.3 p.m.—Hilton Porter, bass baritone:  
(a) "Homing" (Teresa del Riego).  
(b) "Ombra Mai Fu" (Handel).  
4.15 p.m.—Eileen Moran, soprano.

- 4.22 p.m.—The Ambassadors' Dance Orchestra. Conductor, Manuel Hyman.  
4.35 p.m.—Hilton Porter, bass baritone:  
(a) "Far across the Desert Sands" (Amy Woodforde Finden).  
(b) "Thank God for a Garden" (Del Riego).  
4.40 p.m.—Enid D'Arcy, soprano:  
(a) "Take your lute and sing" (Clarke).  
(b) "The Starling" (Liza Lehmann).  
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 the "Hello Man."  
Letters and Stories.  
6.15 p.m.—Children's 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:  
"The Dausant" (Fletcher).  
"That's My Mammy" (Baer).  
Ballet Suite—"Coppelia" (Delibes).  
"A Spring Day" (Haines).  
"Flower of the Desert" (Lohr).  
"Resettime" (O'Hagan).

## NIGHT SESSION.

- 7.35 p.m.—Programme Announcements.  
7.37 p.m.—The N.S.W. Broadcasting Company's Orchestra. Conductor, Willie Redstone.  
7.53 p.m.—Maestro Carlo Olivi, Italian Basso.  
8.0 p.m.—"Big Ben." From Dandenong (Victoria).  
The Policy Speech of the Prime Minister, the Right Hon. S. M. Bruce, M.P., in opening the Campaign for the National Party in connection with the Federal Elections.  
Approx.  
9.50 p.m.—From the Studios (Sydney):  
Late Weather Forecast.  
The N.S.W. Broadcasting Company's Orchestra. (Conductor, Willie Redstone).  
10.5 p.m.—Maestro Carlo Olivi, Italian Basso.  
10.12 p.m.—The N.S.W. Broadcasting Company's Orchestra.  
10.28 p.m.—To-morrow's Programme and Late News.  
10.30 p.m.—National Anthem. Close Down.  
Studio Accompanist: Ewart Chapple.

## 2BL, SERVICE.

MONDAY, 8th 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.—Musical programme from the studio.  
8.15 a.m.—G.P.O. Clock and chimes.  
News from the "Daily Telegraph Pictorial."  
8.25 p.m.—Musical programme from the Studio.  
8.30 a.m.—G.P.O. Clock and Chimes.  
Musical programme from the studio.  
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.  
Musical programme from the studio.  
9 a.m.—G.P.O. Clock and chimes.  
Musical programme from the studio.  
9.30 a.m.—A reading.  
9.40 a.m.—Musical programme from the studio.  
10 a.m.—G.P.O. Clock and chimes.  
Close down.

## MIDDAY SESSION.

- 11 a.m.—G.P.O. Clock and chimes.  
Women's Session.  
Sporting Talk by Miss Gwen Varley, Women's Sports Authority.  
11.15 a.m.—Talk on Electricity in the home.  
12 noon.—G.P.O. Clock and chimes.  
Special Ocean Forecast and Weather report.  
12.3 p.m.—Musical programme from the studio.  
12.30 p.m.—Shipping and mails.  
12.35 p.m.—Market reports.  
12.48 p.m.—"Sun" midday news service.  
1 p.m.—Musical programme from the studio.  
1.30 p.m.—Talk to children and special entertainment for children in Hospital.  
2 p.m.—G.P.O. Clock and chimes.  
Close down.  
Note: Race results from Epping Trots will be broadcast by courtesy of the "Sun" newspapers.

## AFTERNOON SESSION.

- 3.45 p.m.—G.P.O. Clock and chimes.  
Musical programme from the studio.  
4 p.m.—G.P.O. Clock and chimes.  
"Sun" news service.  
4.10 p.m.—Romano's Restaurant Dance Orchestra under the direction of Mr. Merv. Lyons broadcast from Romano's.  
4.20 p.m.—Mr. Sydney Butcher, baritone:  
(a) "The Bandelero" (Stuart).  
(b) "Here in the quiet Hills" (Carne).  
4.27 p.m.—Professor Athos Georgio Martelli, cellist:  
(a) "Romanze" (Rubinstein).  
(b) "Gavotta" (Popper).  
4.34 p.m.—Romano's Restaurant Dance Orchestra.  
4.45 p.m.—Miss May Nancarrow, elocutionist:  
(a) "A Simple Question" (Anon).  
(b) "Charlady's Confidence" (Newman).  
4.52 p.m.—Miss Ida Leggatt, soprano:  
"Songs my mother used to sing."  
4.55 p.m.—Romano's Restaurant Dance Orchestra.  
5.5 p.m.—Mr. Sydney Butcher:  
"Nirvana" (Adams).  
(b) "Invictus" (Huhn).  
5.12 p.m.—Professor Athos Georgio Martelli:  
(a) "Adagio" (Corelli).  
(b) "Tzig-Tzig" (Squire).  
5.19 p.m.—Miss Ida Leggatt:  
(a) "Rackety Coe" (Friml).  
(b) "You in a Gondola" (Coningsby Clarke).  
5.26 p.m.—Miss May Nancarrow:  
(a) "A Broken Web" (Ogilvie).  
(b) "Playmate" (Ogilvie).  
5.33 p.m.—Miss Ida Leggatt:  
"O Flower of all the world" (Woodforde Fladen).  
5.37 p.m.—"Sun" news service.  
5.41 p.m.—Features of evening's programme.  
5.43 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.—Gulbrandsen 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.

- 8.0 p.m.—G.P.O. Clock and Chimes.  
From the King's Cross Theatre: The King's Cross Theatre Orchestra, conducted by Mr. E. J. Roberts. At the Wurliitzer Organ, Mr. Joseph Wayne.  
8.20 p.m.—Talk in connection with Health Week.  
8.30 p.m.—From the Mosman Town Hall: The Mosman Municipal Band:  
(a) March, "The Pitman" (Greenwood).  
(b) Selection, "Memories of the Opera" (Rimmer).



8.45 p.m.—Details of the Radio Eisteddfod.  
 8.48 p.m.—Studio Programme.  
 9.45 p.m.—From the Mosman Town Hall: The Mosman Municipal Band:  
 (a) Spanish Serenade, "Anita" (Bilton).  
 (b) Cornet Solos:  
 "Absent" (Arr. Hanadeuce).  
 "Londonderry Air" (Arr. Hawkes).  
 10.0 p.m.—"A Municipal Cocktail," by the Four Bright Spirits:  
 Dorothy Dewar.  
 Mavis Walker.  
 Jack Buchanan.  
 Stan Crawford.  
 Part I.  
 10.20 p.m.—From the King's Cross Theatre: The King's Cross Theatre Orchestra.  
 10.30 p.m.—The Four Bright Spirits: Part II.  
 10.55 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.

## 3LO, MELBOURNE.

MONDAY, 8th OCTOBER, 1928.

### SHORT WAVE TRANSMISSION.

5.30 a.m.—Short wave transmission on 32 metres.  
 6.30 a.m.—Close down.

### EARLY MORNING SESSION.

"HERALD" BREAKFAST HOUR.  
 7.15 a.m. to 8.15 a.m.

### MORNING SESSION.

### HOMILIES ON THE HOME—AN HOUR FOR WOMEN.

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

### RECIPE

#### BRAISED STEAK.

2½ lbs. fillet steak.  
 1 carrot.  
 1 turnip.  
 1 onion.  
 1 leaf celery.  
 Croutons of fried bread.  
 2 ozs. fat bacon (for larding).  
 1 oz. butter.  
 1 pint stock or gravy.  
 Salt and cayenne to taste.  
 Peel vegetables and cut up some minia-ture carrots and turnips. Cut up pieces left into dice, also the onion and celery. Melt the butter in saucepan, and fry the sliced vegetables, but do not brown them. Cut the meat into rounds, and lard by cutting bacon fat into strips, threading larding needle and drawing strips through. Place larded pieces of meat on top of the vegetables. Add stock, put lid on, and simmer an hour. Pepper and salt to taste. Lift out meat, and brown under grill. Strain gravy return to saucepan, and reduce to half by boiling. Colour with caramel, if necessary. Lift meat on to fried bread, pour gravy round, and garnish with the small cooked carrots and turnips, and sprinkle with finely-chopped parsley.

11.5 a.m.—OLGA PARKER, Stories for the Children:  
 "Some More Greek Heroes."  
 11.20 a.m.—Musical interlude.  
 11.25 a.m.—RAY HARRIS:  
 "Free Kindergarten Work."  
 11.40 a.m.—Musical interlude.  
 11.45 a.m.—Under the auspices of the St. John Ambulance Association,  
 MISS EDITH WELLS will speak on  
 "Hints on the Choice and Preparation of the Sick Room."

### 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.  
 Soloists:  
 Huxham's Serenaders.  
 Althouse and McCallum, soprano and pianist, and baritone and flautist:  
 Selected.

### FROM THE STUDIO.

1.45 p.m.—Stock Exchange information. Meteorological information. Weather forecast and rainfall 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 STRAD TRIO:  
 "Trio, Op. 15, F Major" (Rubinstein).  
 Con Moto Moderato.  
 Moderato.  
 Finale.  
 2.33 p.m.—MARCELLE BERARDI, soprano:  
 "La Partida" (D'Alvarez).  
 "Sylvelin" (Sinding).  
 2.40 p.m.—MAY BRODERICK, piano:  
 "Arabesque" (Debussy).  
 "Gavotte and Musette" (d'Albert).  
 "Octave Study" (Czerny).  
 2.48 p.m.—ALTHOUSE AND MCCALLUM, soprano and pianiste, baritone and flautist:  
 "Four Serious Songs" (Brahms).  
 3 p.m.—CECIL PARKES AND MAY BRODERICK, violin and piano:  
 "Sonata for Violin and Piano—Kreutzer—1st Movement Only" (Beethoven).  
 3.10 p.m.—JESSIE SHMITH, contralto:  
 "The Lotus Flower" (Schumann).  
 "Bois Epas" (Tully).  
 3.17 p.m.—THE STRAD TRIO:  
 "Abendlied" (Schumann).  
 "Gavotte from Mignon" (Thomas).  
 "Bourree" (Hanel).  
 3.24 p.m.—MARCELLE BERARDI, soprano:  
 "Cascum le dice"—"The Daughter of the Regiment" (Donizetti).  
 "Serenata" (Tosti).  
 3.31 p.m.—THE STATION ORCHESTRA:  
 "Hungarian Dances 2 and 7" (Brahms).  
 "Liebestraume" (Liszt).  
 3.41 p.m.—JAMES M. HILL, baritone:  
 "I Will Not Grieve" (Schumann).  
 "To Anthea" (Hatton).  
 3.48 p.m.—THE STATION ORCHESTRA:  
 "3rd Movement Symphony E Minor" (Tchaikowsky).  
 "Eugene Onegin" (Tchaikowsky).  
 4 p.m.—JESSIE SHMITH, contralto:  
 "None But the Weary Heart" (Tchaikowsky).  
 "Dedications" (Franz).  
 4.7 p.m.—THE STATION ORCHESTRA:  
 "Spinning Song" (Mendelssohn).  
 "Serenade" (Rubinstein).  
 4.17 p.m.—JAMES M. HILL, baritone:  
 "Silent Noon" (Williams).  
 "Sea Fever" (Ireland).

### IN MERRY MOOD.

4.24 p.m.—THE STATION ORCHESTRA:  
 Selection, "Firefly" (Friml).  
 4.34 p.m.—FRED BLUETT (by permission J. C. Williamson, Ltd.):  
 Hilarious Hits.  
 4.41 p.m.—THE STATION ORCHESTRA:  
 Selection, "Belle of New York" (Kerker).  
 4.50 p.m.—FRED BLUETT (by permission J. C. Williamson, Ltd.) will make you shed tears of joy.

### NEWS SESSION.

5 p.m.—"Herald" news service. Stock Exchange information.  
 5.10 p.m.—Acceptances and Barrier positions for the Geelong Races, to be run on Wednesday, 10th instant.

### EVENING SESSION.

### CHILDREN'S HOUR.

6 p.m.—Answers to Letters and Birthday Greetings by "BILLY BUNNY."  
 6.25 p.m.—MONSIEUR SONORA has a tune to play to you.  
 6.30 p.m.—"BILLY BUNNY" will now entertain the little ones.

### 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. Rabbit prices. River reports. Market reports 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 Fruits Merchants' Association. Citrus fruits.  
 7.43 p.m.—Birthday Greetings.

### OUT OF THE PAST.

7.45 p.m.—On October 8th, 1769, Captain Cook landed at Poverty Bay, New Zealand. King's College, London, was first opened in 1831, and on October 8th, 1871, a great fire occurred in Chicago when 2,000 lives were lost and 18,000 buildings were destroyed.  
 7.46 p.m.—Under the auspices of the Agricultural Department,  
 J. T. RAMSAY, Potato Expert, will speak on "Potatoes—Planting and Manuring."

### A MAKER OF HISTORY.

8 p.m.—To-day we commemorate the birthday of Colonel John Hay.  
 PROGRAMME ANNOUNCEMENTS.  
 TRANSMISSION FROM DANDENONG.  
 8.10 p.m.—Policy Speech of the Rt. HON. STANLEY M. BRUCE, Prime Minister of Australia, transmitted from Dandenong.

### FROM THE STUDIO.

10 p.m.—THE STATION ORCHESTRA:  
 Suite, "The Carnival" (Montague King).  
 10.10 p.m.—ELSY TREWEEK, soprano:  
 "Battatella" (Bird Song) (Leoncavallo).  
 "Pagliacci."  
 10.17 p.m.—THE STATION ORCHESTRA:  
 "Prelude" (Chopin).  
 "Nocturne" (Chopin).  
 10.24 p.m.—JOHN D. FRASER, baritone:  
 "June Music"—French.  
 "The Spire Flower" (Campbell Tipton).  
 10.31 p.m.—THE STATION ORCHESTRA:  
 Suite, "On Jhelum River" (Finden).

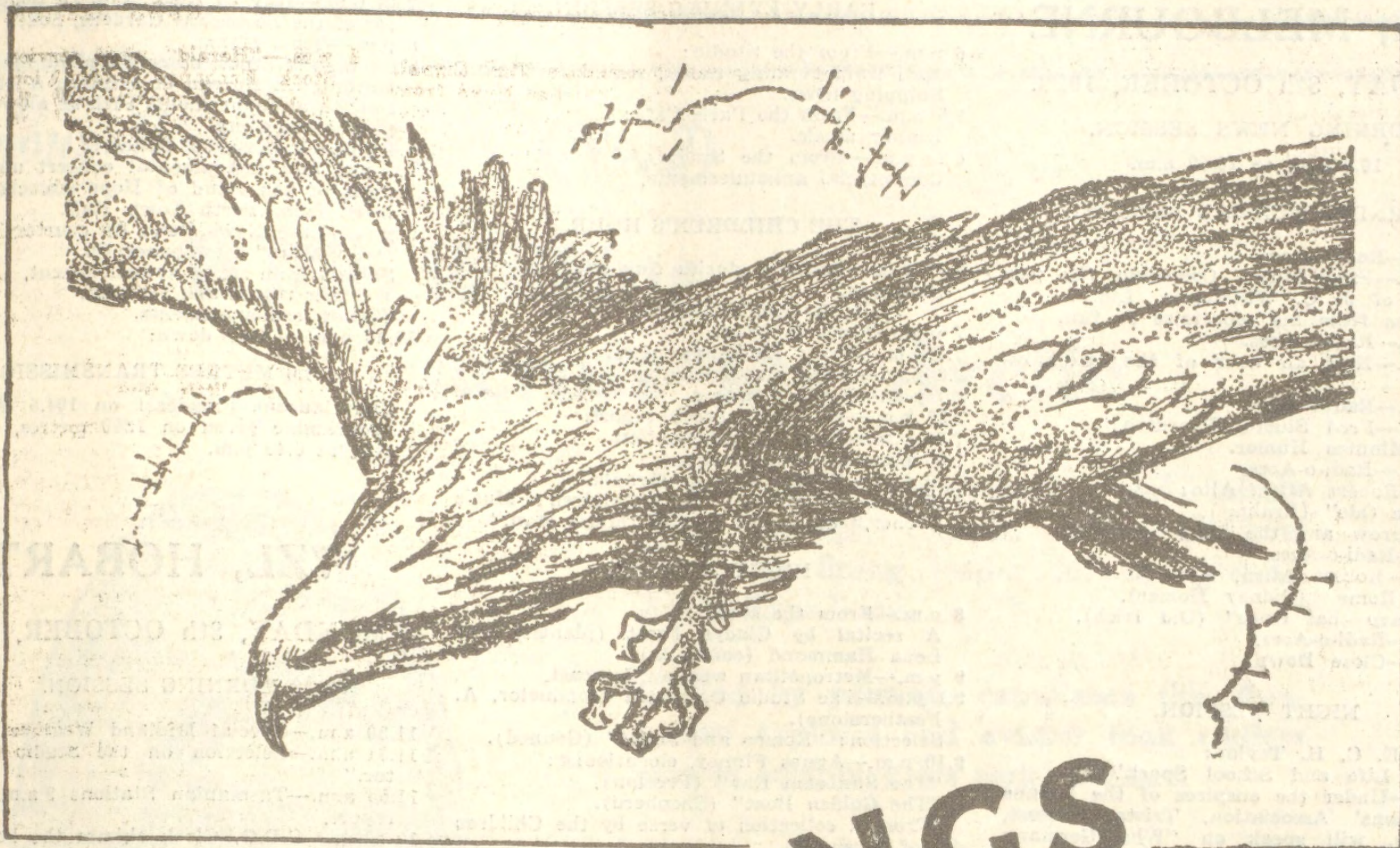
### NEWS SESSION.

10.40 p.m.—"Argus" news service. Meteorological information. British Official Wireless News from Rugby. Announcements.  
 THE ROYAL AUTOMOBILE CLUB OF VICTORIA'S SAFETY MESSAGE FOR TO-DAY IS: "The car you need to watch is the car behind the one in front of you."  
 10.50 p.m.—ELSY TREWEEK, soprano:  
 "Should He Upbraid" (Bishop).  
 "Tell Me, My Heart" (Bishop).

### DANCE MUSIC.

10.55 p.m.—THE RADIO-ACES.  
 11.40 p.m.—"GOD SAVE THE KING."





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## 3AR, MELBOURNE

MONDAY, 8th OCTOBER, 1928.

## MORNING NEWS SESSION.

10.0 a.m. to 10.59 a.m.

## MORNING MUSICAL SESSION.

- 11.0 a.m.—Radi-o-Aces.  
 11.20 a.m.—Fred Bluett, Comedian (by permission of J. C. Williamson, Ltd.): Selections from his repertoire of fun.  
 11.27 a.m.—Radi-o-Aces.  
 11.47 a.m.—Half an hour of the latest records.  
 12.17 p.m.—Radi-o-Aces.  
 12.37 p.m.—Fred Bluett, Comedian: Seven Minutes Humor.  
 12.44 p.m.—Radi-o-Aces.  
 1.0 p.m.—Robert Allen, Alto: "Sapphic Ode" (Brahms).  
 "The Arrow and the Song" (Balfe).  
 1.7 p.m.—Radi-o-Aces.  
 1.12 p.m.—Robert Allen, Alto: "Uncle Rome" (Sidney Homer).  
 "The Harp that Once" (Old Irish).  
 1.19 p.m.—Radi-o-Aces.  
 1.30 p.m.—Close Down.

## NIGHT SESSION.

- 8.0 p.m.—E. C. H. Taylor: "School Life and School Sport."  
 8.15 p.m.—Under the auspices of the League of Nations' Association, Tristan Buesst, secretary, will speak on "Why Germany Wants the Rhineland to be Free."  
 8.30 p.m.—Concert by the Wonthaggi Union Brass Band, transmitted from Wonthaggi. Conductor, Mr. W. J. Philpott. Chairman, Mr. J. McLeish. Accompanist, Miss McConachy.  
 Interval.  
 During which, Mr. McLeish, manager State Coal Mine, will give a talk on mining. God Save the King.  
 10.55 p.m.—"Age" News Service, exclusive to 3AR. Acceptances for Wednesday's Races.  
 10.58 p.m.—Weather Forecast.  
 11.0 p.m.—God Save the King.

## 4QG, BRISBANE

MONDAY, 8th OCTOBER, 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.—From the Paris Cafe: Lunch-hour music.  
 1.5 p.m.—From the Brisbane Observatory: Time signals.  
 2 p.m.—Close down.

## AFTERNOON SESSION.

- 3 p.m.—From the Tivoli Theatre: Orchestral music by the Tivoli Operatic Orchestra, under the baton of Mr. C. Greeves.  
 3.30 p.m.—From the studio: Mail train running times. A programme of electrically-reproduced records.  
 4 p.m.—From the Tivoli Theatre: Orchestral music.  
 4.15 p.m.—From the studio: This afternoon's news.  
 4.30 p.m.—Close down.

## EARLY EVENING SESSION.

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

## THE CHILDREN'S HOUR.

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

## LATE COMMERCIAL NEWS.

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

## NIGHT SESSION.

- 8 p.m.—From the studio: A recital by Gladys Frost (pianist) and Lena Hammond (contralto).  
 9 p.m.—Metropolitan weather forecast.  
 9.1 p.m.—The Studio Orchestra (conductor, A. Featherstone). Selection: "Romeo and Juliet" (Gounod).  
 9.10 p.m.—Agnes Finney, elocutionist: "The Sunbeam Ray" (Preston).  
 "The Golden Boat" (Shepherd).  
 (From a collection of verse by the Children of Tormead).  
 9.18 p.m.—Phyllis Douth, soprano: "The Love Pipes of June" (Day).  
 "Flower Song from 'Faust'" (Gounod).  
 9.25 p.m.—The Studio Orchestra: Valse, "Dreams on the Ocean" (Gungl).  
 9.32 p.m.—Mr. Inigo Jones—a science talk: "The Genesis of the Horse."  
 9.43 p.m.—A. V. James, baritone: "In the Bud of the Morning" (Quilter).  
 "Cavalier" (Hickey).  
 9.50 p.m.—The Studio Orchestra: Romance, "Sweet Memories" (Calanti).  
 March: "Queen of the Fleet" (Crosby).  
 10 p.m.—Late news.  
 Weather news.  
 Close down.

## 6WF, PERTH.

MONDAY, 8th 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.—Lunch Hour Music.  
 Brunswick Panatrophe hour relayed from Messrs. Musgrove's Limited Concert Hall.  
 2 p.m.—Close down.

## AFTERNOON SESSION.

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

## EVENING SESSION.

- 6.45 p.m.—Tune in.  
 The evening transmission is broadcast on 104.5 metres as well as the usual wavelength.  
 6.48 p.m.—Stories for the Kiddies by Uncles Henry and Duffy.  
 Uncle Henry will talk to the Boys on: "Boxing."  
 7.5 p.m.—Popular health talk by Dr. Winifred Holloway, of London.  
 7.20 p.m.—Musical programme.  
 7.30 p.m.—Stocks, Markets, news.

- 7.45 p.m.—Talk by Lieut. Col. Le Souef, Director of the Zoological Gardens, South Perth.  
 8 p.m.—Time signal.  
 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia.  
 Station announcements such as alterations to programmes, etc.  
 8.3 p.m.—A Relayed Concert: Vocal and instrumental concert under auspices of the Band of Hope Association, relayed from Perth Town Hall.  
 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 METRES TRANSMISSION.

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

## 7ZL, HOBART

MONDAY, 8th OCTOBER, 1928.

## MORNING SESSION.

- 11.30 a.m.—Special Midland Weather forecast.  
 11.31 a.m.—Selection on the Studio "Recreator."  
 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.—Selections on the Studio "Recreator."  
 12.29 p.m.—Announcements.  
 12.33 p.m.—Selections on the studio "Recreator."  
 12.55 p.m.—"Mercury" news service.  
 Produce sales held at Railway.  
 1.10 p.m.—Selections on the Studio "Recreator."  
 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.—A Mandolin and Steel Guitar Concert on the Studio "Recreator."  
 Regal Dance Orchestra:  
 Waltz, "Hawatha' Melody of Love" (Meyer).  
 Regal Novelty Orchestra:  
 Medley Waltz, "Dreamy Hawaii" (Vanderstool).  
 Alfred O'Shea, tenor:  
 "A Dream" (Bartlett).  
 "What a wonderful world it would be" (Lohr).  
 Hawaiian Guitar Duet:  
 "Hawaiian Medley."  
 "Hawaiian Waltzes."  
 George H. Green Trio:  
 Fox trot, "Sing me a Baby Song" (Donaldson).  
 "No Wonder I'm Happy" (Davis).  
 Hawaiian Guitar Duet:  
 "Along the Way to Waikiki" (Whiting).  
 "Arabian Dreams" (Maple).  
 South Sea Islanders:  
 Waltz, "That's what the Lei said to me" (Perez) with vocal Chorus.  
 South Sea Islanders:  
 Waltz, "The Call of Aloha" (MacGulgan).  
 with Vocal Chorus.  
 James Melton, tenor:  
 "My heart is in the Roses" (Fisher) with Novelty Accompaniment.  
 "My heart stood still" (Rodgers) with Novelty Accompaniment.  
 Mandolin Band, Intermezzo:  
 "The Belfry" (Margutti).  
 Charles Hackett, tenor:  
 "The Sunshine of your smile" (Ray).  
 Rena Male Quartette:  
 Descriptive, "Farmyard Medley" (with effects).  
 "Steamboat Medley" (with effects).



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Adelaide

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- 4.15 p.m.—Fashion Talk:  
"Feminine vanity; that devine gift which makes a woman charming."  
"Disraeli."  
"Aunt Edna" will speak on:  
Latest Fashions in Gloves, Hosiery and Shoes."  
4.30 p.m.—Close down.

## EARLY EVENING SESSION.

## CHILDREN'S HOUR.

- 6.15 p.m.—Musical Selections on the Studio "Recreator."  
6.45 p.m.—Ena Jolley (14 years of age), piano recital:  
"Rustle of Spring" (Sinding).  
"Violets of Abbrazia" (Wenzel).  
7 p.m.—Answers to Letters and Birthday Greetings by "Uncle David."  
7.5 p.m.—Selections on the Studio "Recreator."  
7.15 p.m.—"Mercury" special Tasmanian news service.  
Railway auction produce sales.  
Weather information.  
Hobart Stock Exchange.

## EVENING SESSION.

- 7.30 p.m.—J. Scott, Professional Coach of the Royal Hobart Golf Club will speak on:  
"Golf news and how to improve your game."  
7.45 p.m.—Walter Lindrum, Australia's Champion Billiardist:  
"How to improve your Billiards."  
8 p.m.—G.P.O. Clock chimes the hour.  
Fifty Years Ago To-day.  
"Let's consider the past with a lingering gaze.  
Like a peacock whose eyes are inclined to his tail."  
8.6 p.m.—Concert by Maples and Co., Pty. Ltd.  
The following Artists will assist:  
Bernard Freeman, violin.  
Katie Rothwell, soprano.  
Eric Creese, mandolin.  
Ray Edwards, piano—Syncopation.  
Val Ulbrich.  
Lionel Mascowan.  
9.50 p.m.—British Official Wireless news.  
"Mercury" special Interstate news service.  
Ships within wireless range.  
Tasmanian District Weather reports.  
Examiner News Service.  
10 p.m.—G.P.O. Clock chimes the hour.  
10.1 p.m.—The Royal Auto Car Club of Tasmania Safety Message for to-day is:  
"The fool that used to blow out the gas now steps on it."  
10.3 p.m.—God Save The King.  
10.4 p.m.—Close down.

## Tuesday, October 9

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

- 10.10 a.m.—Country Women's Session: A Talk by 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 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.

- Note: During the afternoon, results from the National Rifle Association Meeting at Liverpool will be broadcast as received.  
2.30 p.m.—Programme announcements.  
2.32 p.m.—Educational Session for the Schools.  
Talk, "How Things Grow," interspersed with suitable music.  
3 p.m.—"Big Ben."  
From the Christ Church, St. Laurence:  
Organ Recital by Christian Hellemann.  
3.20 p.m.—Studio music.  
3.25 p.m.—From the Christ Church, St. Laurence: Items from the Organ Recital by Christian Hellemann.  
3.45 p.m.—From the Studio:  
"Teacups Chatter," by "Pandora."  
4 p.m.—From the Christ Church, St. Laurence: Concluding items from the Organ Recital by Christian Hellemann.  
4.20 p.m.—From the Studio:  
Joyce Gillespie, soprano:  
(a) "O Ship of my Delight" (Phillips).  
(b) "Don't Hurry" (Sanderson).  
4.25 p.m.—The Ambassadors' Dance Orchestra, conducted by Manuel Hyman.  
4.35 p.m.—Alice Graham Kent, soprano:  
(a) "Down in the Forest" (Ronald).  
(b) "Love, I have Won You" (Ronald).  
4.40 p.m.—Studio music.  
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 the "Hello Man," assisted by Aunt Eily.  
Letters and Stories.  
6.15 p.m.—Children's 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:  
"Ooh! Maybe it's you" (Berlin).  
"Love's Lament" (Engel-Berger).  
"Fairy Feet" (Finck).  
"The Girl in the Train" (Fall).  
"Moment Musicale" (Schubert).  
"Ice Cream" (Johnson).

## NIGHT SESSION.

- 7.40 p.m.—Programme Announcements.  
7.45 p.m.—Pianoforte Selection.  
7.50 p.m.—A Talk in Connection with Health Week.

- 8.0 p.m.—The N.S.W. State Military Band.  
8.15 p.m.—Norman Francis, Tenor:  
(a) "Beauty's Eyes" (Tosti).  
(b) "Love's Old Sweet Song" (Molloy).  
8.22 p.m.—Carlton Fay, Pianoforte Solo:  
"Creole Sketches":  
(a) "In Olden Days" (Lemont).  
(b) "Memories."  
(c) "Banjo Dance."  
8.32 p.m.—Ellie McDonnell and Celene Hooper, Duets:  
(a) "Venetian Boat Song" (Tosti).  
(b) "Thinking" (Lou Morgan).  
8.39 p.m.—The N.S.W. State Military Band.  
8.50 p.m.—Florence Yates, Contralto.  
8.57 p.m.—Details of the Radio Eisteddfod.  
9.0 p.m.—"Big Ben." Late Weather Forecast.  
Norman Francis, Tenor:  
(a) "Flower Song" (Bizet).  
(b) "When My Ships Come Sailing Home" (Frances Dorel).  
9.7 p.m.—The N.S.W. State Military Band.  
9.22 p.m.—Ellie McDonnell and Celene Hooper, Duets:  
(a) "Your Eyes Have Told Me So" (Hardy).  
(b) "The Sweetest Song" (Denza).  
9.28 p.m.—Freda Sternberg will continue her series of Travel Talks dealing this evening with "Celebrities I Have Known" (No. 8).  
9.48 p.m.—The N.S.W. State Military Band.  
10.0 p.m.—"Big Ben." Florence Yates, Contralto.  
10.7 p.m.—Carlton Fay, Pianoforte Solos:  
"Creole Sketches":  
(a) "On the Levee" (Lemont).  
(b) "In Carnival Time" (Lemont).  
10.17 p.m.—Wendling and Molloy, The Radio Melody Makers:  
(a) "Say, Can I See You To-night" (Creamer).  
(b) "When You Played the Organ" (Gilbert).  
(c) "You're a Real Sweetheart" (Friend).  
10.27 p.m.—Late Weather Forecast.  
The Ambassadors' Dance Orchestra.  
10.35 p.m.—Wendling and Molloy, The Radio Melody Makers:  
(a) "Is It Gonna be Long" (Cowan).  
(b) "Once Again" (Lumsdaine).  
(c) "An Old Irish Favorite."  
(d) "Out in the New Mown Hay" (Tracey).  
10.47 p.m.—The Ambassadors' Dance Orchestra.  
10.57 p.m.—To-morrow's Programme and Late News.  
11.0 p.m.—The Ambassadors' Dance Orchestra.  
11.30 p.m.—National Anthem. Close Down.

## 2BL, SERVICE.

TUESDAY, 9th 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.—Musical programme from the studio.  
8.15 a.m.—G.P.O. Clock and chimes.  
News from the "Daily Telegraph Pictorial."  
8.25 a.m.—Musical programme from the studio.  
8.30 a.m.—G.P.O. Clock and chimes.  
Musical programme from the studio.  
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.  
Musical programme from the studio.  
9 p.m.—G.P.O. Clock and chimes.  
Musical programme from the studio.  
9.30 a.m.—A reading.  
9.40 a.m.—Musical programme from the studio.  
10 a.m.—G.P.O. Clock and chimes.  
Close down.

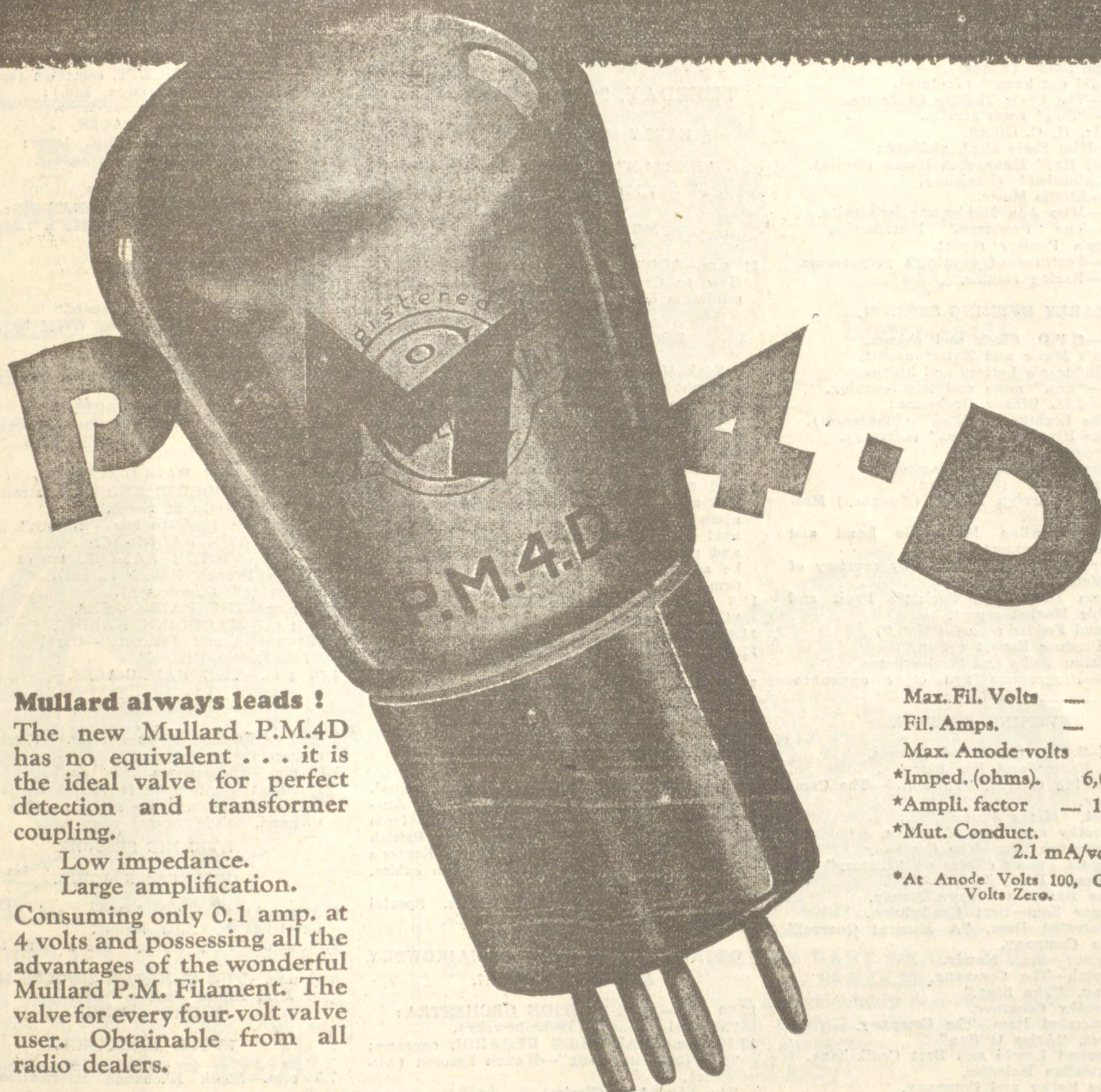
## MIDDAY SESSION.

- 11 a.m.—G.P.O. Clock and chimes.  
Women's Session.  
Studio Music.  
12 noon.—G.P.O. Clock and chimes.  
Special Ocean Forecast and weather report.  
12.3 p.m.—Musical programme from the studio.  
12.30 p.m.—Shipping and mails.  
12.35 a.m.—Market reports.



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2.1 mA/volt.

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# Mullard

**THE • MASTER • VALVE**



12.48 p.m.—"Sun" midday news service.  
 1 p.m.—Musical programme from the studio.  
 1.30 p.m.—Talk to children and special entertainment for Children in Hospital.  
 2 p.m.—G.P.O. Clock and chimes.  
 Close down.  
 Note: Race results will be broadcast by courtesy of the "Sun" newspapers.

## AFTERNOON SESSION.

3.45 p.m.—G.P.O. Clock and chimes.  
 From Lyric Theatre: Lyric Theatre Orchestra, under the conductorship of Mr. Horace Watts.  
 4 p.m.—Talk in connection with Health Week.  
 4.10 p.m.—Mr. H. C. Gilson, tenor.  
 4.17 p.m.—The Lyric Theatre Orchestra.  
 4.30 p.m.—Miss Anne Kearns, mezzo:  
 (a) "The Star" (Rogers).  
 (b) "I did not know" (Trotter).  
 4.37 p.m.—The Lyric Theatre Orchestra.  
 4.52 p.m.—"Sun" news service.  
 5 p.m.—Mr. H. C. Gilson.  
 5.7 p.m.—Miss Essie Neal, violinist:  
 (a) "Hej Haj" Hungarian Dance (Drdla).  
 (b) "Liebeslied" (Kreisler).  
 5.14 p.m.—Studio Music.  
 5.31 p.m.—Miss Ada Middenway, contralto.  
 5.38 p.m.—The Producers' Distributing Society's Poultry report.  
 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 Orchestra:  
 (a) "The Lighthouse Blues" (Plantago).  
 (b) "The River of Dreams" (Lirmay).  
 (c) "Breeze" (Hanley).  
 (d) "The Island King" (Garston).  
 (e) "Traumerei" (Schumann).  
 (f) "From Foreign Parts" (Hungary) Moszkowski.  
 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").  
 Advertising Talks and Studio items.  
 7.57 p.m.—Programme and other announcements.

## EVENING SESSION.

8.0 p.m.—G.P.O. Clock and Chimes.  
 Harold Fraser and His Pierrots.  
 1. Opening Chorus, "Tune In"—The Company.  
 2. Duet, "Merry June," Dorothy and Lena Cosgrove.  
 3. Concerted Item—The Company.  
 4. Harold Fraser dilates on "History" (?)  
 5. Comedy Duet, "Dippy," Mae Bailey and Bern Naudy.  
 6. Tenor Solo—Bert Cruikshank.  
 7. Concerted Item, "A Musical Quarrel" The Company.  
 8. Humor—Bern Naudy.  
 9. Sketch—The Company.  
 10. Song, "The Star," Dorothy Cosgrove.  
 11. Concerted Item—The Company.  
 12. Duet, "Arise O Sun" Esmund Lecchi and Bert Cruikshank.  
 13. Hawaiian Melodies, Mae Bailey and Company.  
 14. Finale—The Company.  
 9.0 p.m.—Weather Report and Forecast, by courtesy of Government Meteorologist.  
 9.1 p.m.—The New South Wales Broadcasting Company's Orchestra. Conducted by Mr. Willie Redstone.  
 9.16 p.m.—Miss Leonore Gotsch (Soprano):  
 (a) "Ruhe Meine Seele" (Strauss).  
 (b) "Wiegenlied" (Mozart).  
 (c) "Warnung" (Mozart).  
 9.23 p.m.—Talk on "Cricket," by Mr. Hyam Marks.  
 9.38 p.m.—Miss Edith Kidminster (Pianist):  
 (a) "Prelude" (Chopin).  
 (b) "Andante Spianato and Polonaise E Flat" (Chopin).

9.51 p.m.—The New South Wales Broadcasting Company's Orchestra.  
 10.1 p.m.—Miss Leonore Gotsch:  
 (a) "Autumn" (Mallinson).  
 (b) "Villanelle" (Acqua).  
 10.8 p.m.—Miss Edith Kilminster:  
 (a) "Capriccio in C" (Brahms).  
 (b) "Intermezzo in D Flat" (Brahms).  
 (c) "Intermezzo in E Flat Minor (Brahms).  
 10.18 p.m.—Resume of Following Day's Programme.  
 10.20 p.m.—The New South Wales Broadcasting Company's Orchestra.  
 10.30 p.m.—National Anthem.

## 3LO, MELBOURNE.

TUESDAY, 9th OCTOBER, 1928.

## EARLY MORNING SESSION.

## "HERALD" BREAKFAST HOUR.

7.15 a.m. to 8.15 a.m.

## MORNING SESSION.

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

## RECIPE—LEMON SPONGE.

Soak  $\frac{1}{2}$  ounce of gelatine for 10 minutes and put it with the rind of a large lemon and 2 ounces of sugar into a saucepan. Make very hot with half a pint of water, to dissolve gelatine. Strain into a basin and add the lemon juice. When it begins to set add the whites of the eggs whipped to a stiff froth. Whisk all together until light and spongy. Pile up in rocky heaps on a glass dish, and, if liked, one drop of cochineal to the last portion may be added and put on top as a decoration, or it may be set in a mould and turned out when firm.

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 "Homecrafts."  
 11.40 a.m.—Musical Interlude.  
 11.45 a.m.—MISS B. MACAULAY:  
 "Your Son—The Value of Games."

## MIDDAY NEWS SESSION.

12 noon.—Melbourne Observatory Time Signal.  
 12.1 p.m.—Metal prices received by the Australian Mines and Metals Association from the London Stock Exchange this day. British Official Wireless News from Rugby. Reuter's and the Australian Press Association cables.  
 "Argus" news service.  
 12.15 p.m.—Newmarket Stock Sales. Special report by John McNamara and Co.

## ORCHESTRAL WORKS—TSCHAIKOWSKY AND MOSZKOWSKI.

12.20 p.m.—THE STATION ORCHESTRA:  
 "Musical Gems" (Tschaiakowsky).  
 12.30 p.m.—MARCELLE BERARDI, soprano:  
 "The Laughing Song"—Manon Lescaut (Auber).  
 "Ay, Ay, Ay" (Freire).  
 12.37 p.m.—Stock Exchange Information.  
 12.40 p.m.—THE STATION ORCHESTRA:  
 Moszkowski.  
 12.50 p.m.—JESSIE SHMITH, contralto:  
 "Transformation" (Watt).  
 "Boat Song" (Ware).  
 12.57 p.m.—GUILDFORD BISHOP, violin:  
 "Allegro Brillante" (Tenhave) (By request).  
 1.4 p.m.—Meteorological information. Weather Forecasts for Victoria, Tasmania, South Australia and New South Wales. Ocean Forecasts. River reports.  
 1.12 p.m.—THE STATION ORCHESTRA:  
 "Nocturne" (Tschaiakowsky).  
 "March of the Dwarfs" (Moszkowski).

1.20 p.m.—MARCELLE BERARDI, soprano:  
 "Doll's Song"—Tales of Hoffman (Offenbach).  
 "Synnove's Song" (Kjerulf).  
 1.27 p.m.—THE STATION ORCHESTRA:  
 "Meditation" (Tschaiakowsky).  
 "La Chasse" (Tschaiakowsky).  
 1.37 p.m.—JESSIE SHMITH, contralto:  
 "Do Not Go, My Love" (Hageman).  
 "Thou Art Risen, My Beloved" (Coleridge Taylor).  
 1.45 p.m.—Close down.

## AFTERNOON SESSION.

2.15 p.m.—THE RADI-O-ACES.  
 2.24 p.m.—ALTHOUSE AND McCALLUM, soprano and pianist, baritone and flautist: Selected.  
 2.36 p.m.—THE RADI-O-ACES.  
 2.45 p.m.—FRED BLUETT, comedian (by permission J. C. Williamson, Ltd.): Comicalities.  
 2.52 p.m.—THE RADI-O-ACES.  
 3.1 p.m.—VICTOR BAXTER, tenor:  
 "I Heard You Singing" (Coates).  
 "A Little Coon's Prayer."  
 3.8 p.m.—THE RADI-O-ACES.  
 3.17 p.m.—HUXHAM'S SERENADERS:  
 The Quartette, "Henry's Made a Lady out of Lizzie."  
 Solo, "Paradise Isle."  
 LES RICHMOND, piano: Selected.  
 The Quartette, "The Farmyard."  
 Comedy Item, "Round the World by Aeroplane" (The Quartette).  
 CHAS. McFEE, saxophone solo.  
 Operatic Quartette, "Overture to William Tell."  
 3.42 p.m.—THE RADI-O-ACES.  
 3.51 p.m.—FRED BLUETT (by permission J. C. Williamson, Ltd.) will Show Those Blues Away.  
 3.58 p.m.—THE RADI-O-ACES.  
 4.7 p.m.—MADOLINE KNIGHT, contralto:  
 "The Old Folks at Home."  
 "Carry Me Back to Ole Virginny."  
 4.14 p.m.—THE RADI-O-ACES.  
 4.23 p.m.—VICTOR BAXTER, tenor:  
 "Little French Baby" (Grant).  
 "Lorraine" (Sanderson).  
 4.30 p.m.—THE RADI-O-ACES.  
 4.39 p.m.—MADOLINE KNIGHT, Contralto:  
 "Jeannette and Jeannot"—Old French.  
 "The Rustic Bridge."  
 4.46 p.m.—THE RADI-O-ACES.

## NEWS SESSION.

5 p.m.—"Herald" News Service. Stock Exchange information.  
 5.10 p.m.—Close down.  
 During the afternoon results of the Bacchus Marsh Races will be given as they come to hand.

## EVENING SESSION.

## CHILDREN'S HOUR.

6 p.m.—Answers to Letters and Birthday Greetings by Billy Bunny.  
 6.25 p.m.—"Billy Bunny" has a story to tell you.  
 6.40 p.m.—THE SUNBEAM SINGERS (Pupils of Miss Eileen Pascoe-Webb).  
 NIGHT SESSION.

## STOCK EXCHANGE.

7.5 p.m.—Stock Exchange information.

## MARKET REPORTS.

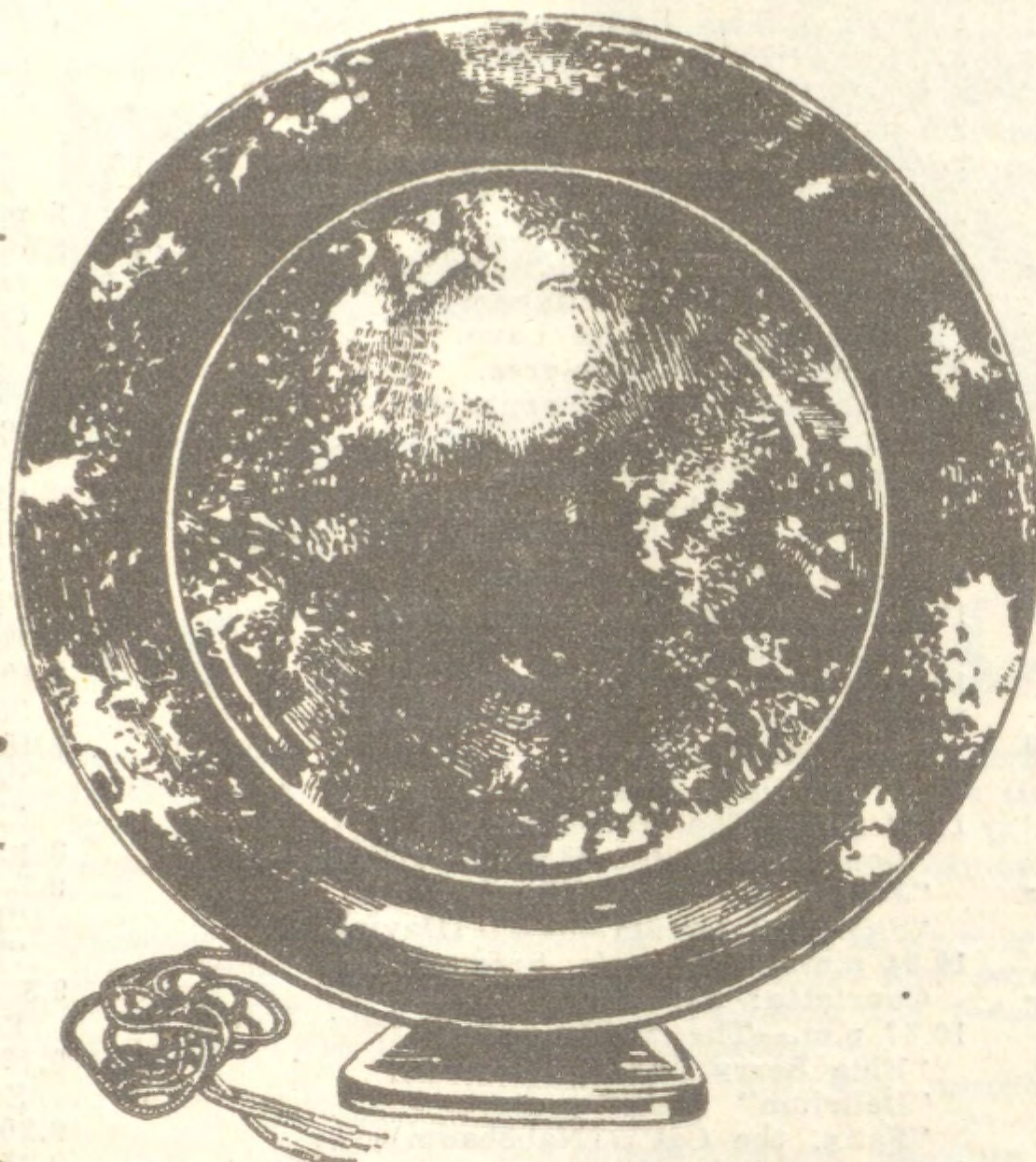
7.15 p.m.—Special report by John McNamara and Co. Official report of the Newmarket Stock Sales by the Associated Stock and Station Agents, Bourke Street, Melbourne.  
 Fish market reports by J. R. Borrett, Ltd.  
 Market reports by the Victorian Producers' Co-Operative Company, Ltd. Poultry, grain, hay, straw, jute, dairy produce, and onions.  
 Market reports of fruit by the Victorian Fruitellers' Association. Retail prices.  
 Wholesale prices of fruits by the Wholesale Fruit Merchants' Association. Citrus fruits.  
 7.43 p.m.—Birthday Greetings.



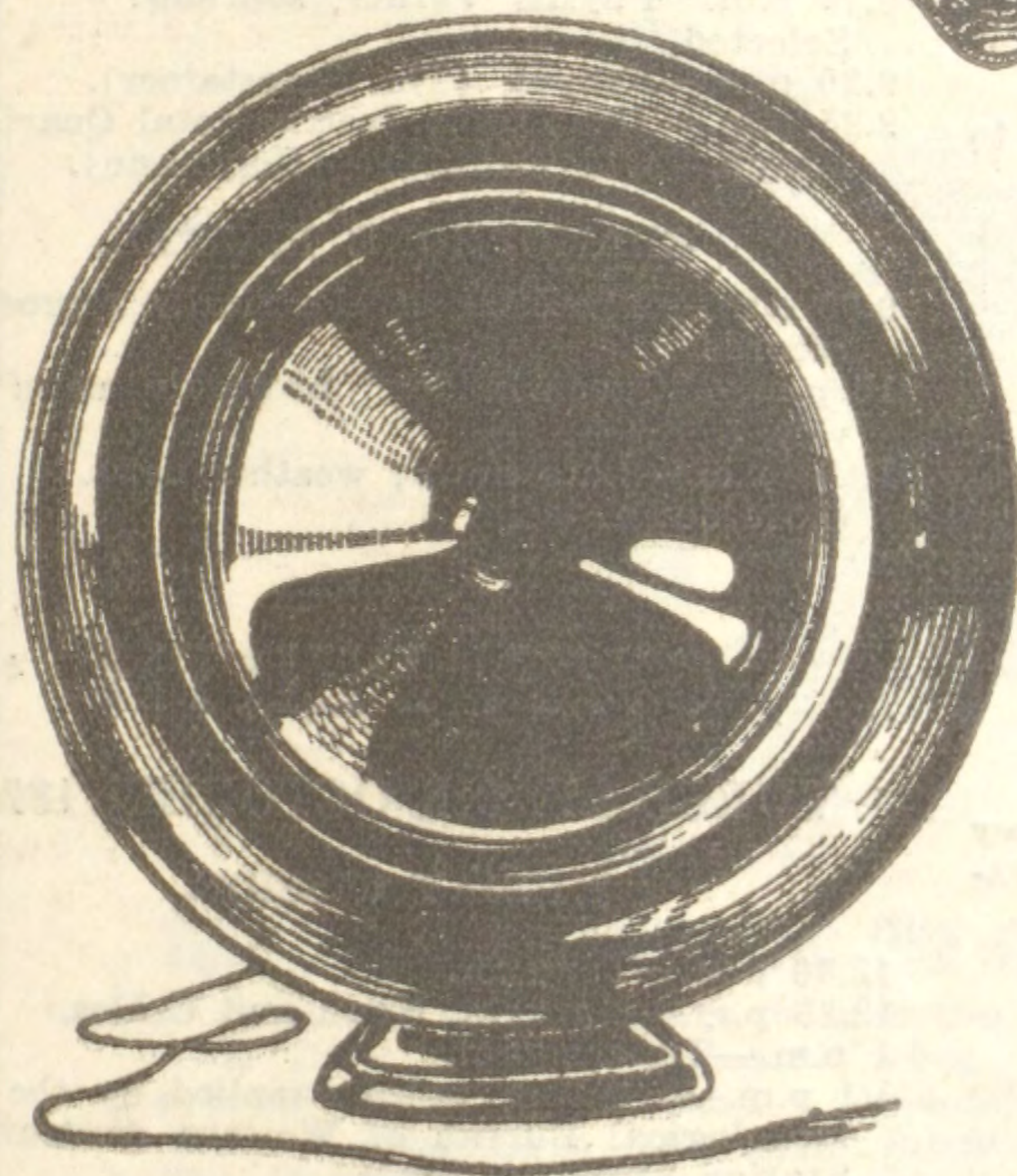
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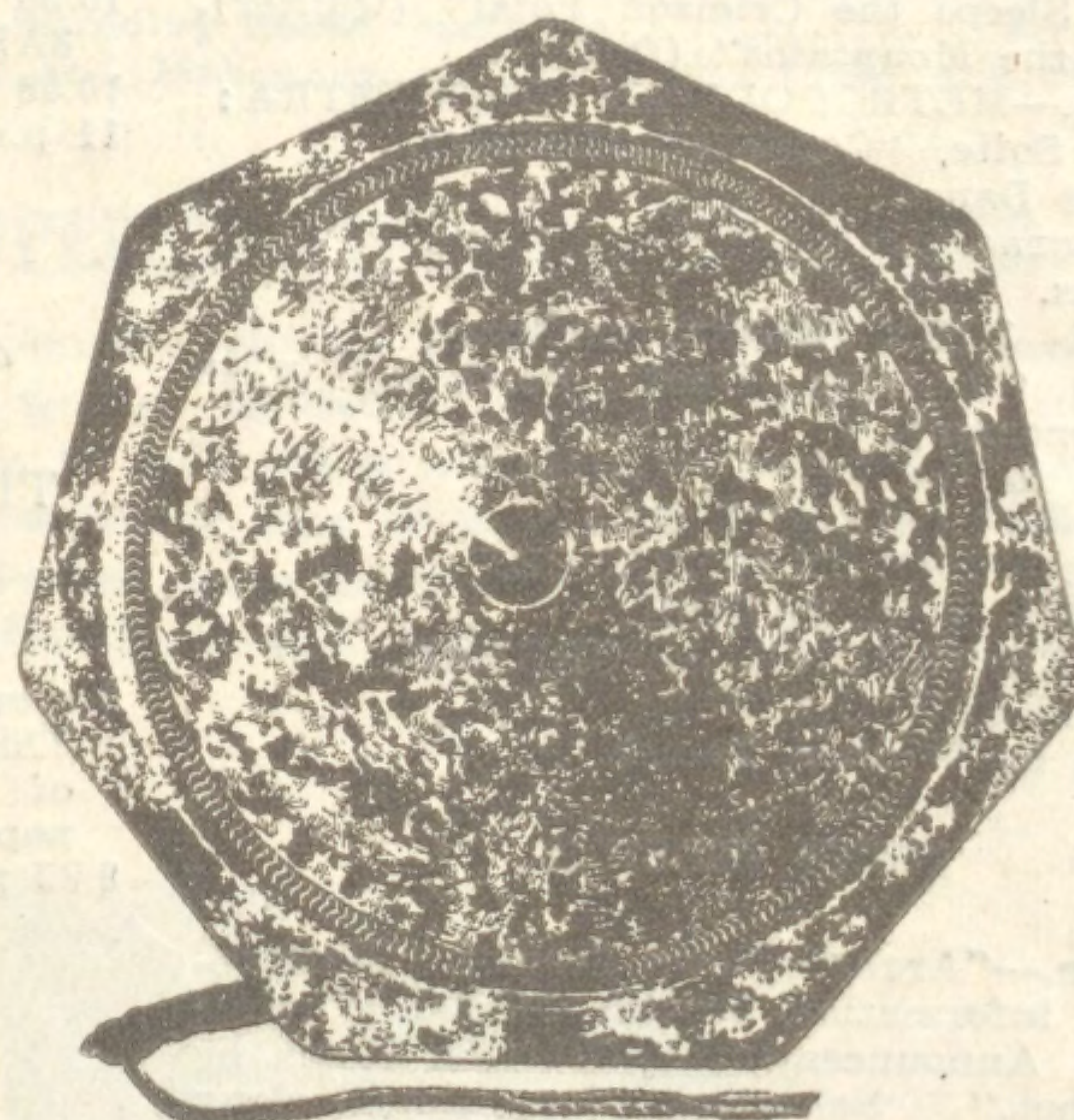


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## OUT OF THE PAST.

7.45 p.m.—The foundation of Parliament House Melbourne, was laid on October 9th, 1886, and the Boer War commenced on that day in 1899. The fall of Antwerp occurred in 1914 and Cambrai was re-taken on October 9th, 1918.

7.46 p.m.—Under the auspices of the University Extension Board, the Rev. W. N. Gunson, Lecturer in Public Speaking, will speak on:  
"Medieval Guilds."

## 8 p.m.—PROGRAMME ANNOUNCEMENTS.

8.1 p.m.—A MAKER OF HISTORY.  
To-day we celebrate the birth of the famous musician-composer, Charles Camille Saint Saens.

8.2 p.m.—MABEL NELSON, pianoforte recital:

"Capriccio G Minor" (Brahms).  
"Prophet Bird" (Schumann).  
"Moment Musical" (Schubert) (by request).  
"Polonaise Op. 26" (Chopin).  
"Irish Tune" from County 'Derry' (Grain-ger).  
"The Juggleress" (Mozkowski).

## AN ORCHESTRAL PROGRAMME.

8.23 p.m.—METROPOLITAN ORCHESTRA:  
Overture, "Egmont" (Beethoven).

8.35 p.m.—ELSY TREWEEK, soprano:  
"Santuzza's Aria" (Mascagni).

8.42 p.m.—METROPOLITAN ORCHESTRA:  
"Symphony No. 1 in C" (Beethoven).

9.10 p.m.—JOHN HOBBS, baritone:  
"Vulcan's Song"—Philemon and Baucis (Gounod).

"O Star of Eve" (Wagner).

9.17 p.m.—METROPOLITAN ORCHESTRA:  
Duet for Clarinet and Flute, with Orchestra:

"Lo, hear the Gentle Lark" (Bishop).  
Soloists, W. Hines, clarinet; Miss M. Butler, flute.

"In a Monastery Garden."  
Intermezzo (Ketelby).

9.29 p.m.—ELSY TREWEEK, soprano:  
"Now Sleeps the Crimson Petal" (Quilter).  
"Over the Mountains" (Quilter).

9.36 p.m.—METROPOLITAN ORCHESTRA:  
Ballet Suite, "Coppelia" (Delibes).

Feast Dance.

Nocturne.

Czardas.

9.49 p.m.—JOHN ROBBS, baritone:  
"When the King Went Forth to War" (Koenenman).

"Come to the Fair" (Martin).

## ONE-ACT PLAY.

9.56 p.m.—"THE DIFFERENCE."  
FATHER, WM. TAINSH.  
MOTHER, LOUISE MOORHEAD.  
SON, TERENCE CRISP.  
Prouce by William Tainsh.

## NEWS SESSION.

10.30 p.m.—"Argus" News Service. Meteorological information. British Official Wireless News. Announcements. Sporting Notes by "Olympus." Selections for the Geelong Races to be held on Wednesday, October 10th.

10.43 p.m.—ALTHOUSE AND McCALLUM, soprano and pianiste, baritone and flautist:  
Selections from their Repertoire.

10.55 p.m.—FRED BLUETT, comedian (by permission J. C. Williamson, Ltd.):  
"Laugh and Be Merry."

11.1 p.m.—THE RADIO-ACES.  
"GOD SAVE THE KING."

## 3AR, MELBOURNE

TUESDAY, 9th OCTOBER, 1928.

## MORNING NEWS SESSION.

10 a.m. to 10.59 a.m.

## MORNING MUSICAL SESSION.

11 a.m.—A Recital of the Best and Latest Records.

1.30 p.m.—Close down.

## EVENING SESSION.

5 p.m.—A Recital of the Latest Records.

## NIGHT SESSION.

8 p.m.—Under the Auspices of the R.A.C.V., Alfred Kelly will speak on "The Month in Motordom."

8.15 p.m.—Under the Auspices of the Advance Bendigo and the North League,  
"Deniliquin."

8.30 p.m.—Oscar Levy: "The Story of the Violin."

8.40 p.m.—The Radi-aces.

8.50 p.m.—Huxham's Serenaders:

Hugh Huxham: Song,  
"A Brown Bird Singing."

8.53 p.m.—The Radi-aces.

9.3 p.m.—Huxham's Serenaders:

Quartette: "Walk as Much as You Can."

9.6 p.m.—The Radi-aces.

9.16 p.m.—Huxham's Serenaders:

Edith Huxham: Song, "Waiting Alone."

9.19 p.m.—The Radi-aces.

9.29 p.m.—Huxham's Serenaders:

Hugh and Edith Huxham:  
"The Stile at the Lane."

9.32 p.m.—The Radi-aces.

9.42 p.m.—Huxham Serenaders:

Quartette: "Breeze."

9.45 p.m.—The Radi-aces.

9.55 p.m.—Huxham Serenaders:

Dolly Burdett: Duet, "The Wild Rose."

9.58 p.m.—The Radi-aces.

10.8 p.m.—Huxham's Serenaders:

Quartette: Selected.

10.11 p.m.—The Radi-aces.

10.21 p.m.—Huxham's Serenaders:

Renn Millar: Song,  
"The Open Road."

10.24 p.m.—The Radi-aces.

"Lonesome in the Moonlight" (Baer).

"Just a Memory" (Henderson).

"Shanghai Dream Man" (Davis).

10.34 p.m.—Huxham's Serenaders:

Quartette: Selected.

10.37 p.m.—The Radi-aces.

"Blue Berry Land" (Bryan).

"Delirium" (Schutt).

"Felix, the Cat" (Nausbaum).

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, 9th OCTOBER, 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 p.m.—Close down.

## MORNING SESSION.

11 a.m. to 12 noon.

## MIDDAY SESSION.

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

1.15 p.m.—From the Paris Cafe:

Lunch-hour music.

1.53 p.m.—From the Brisbane Observatory:

Time signals.

2 p.m.—Close down.

## AFTERNOON SESSION.

3 p.m.—From the Studio:

A programme of electrically reproduced records.

3.30 p.m.—Mail train running times.

4.15 p.m.—This afternoon's news.

4.30 p.m.—Close down.

## EARLY EVENING SESSION.

6 p.m.—From the Studio:

Mail train running times; mail information; Shipping news.

6.5 p.m.—From the Paris Cafe:

Dinner Music.

6.25 p.m.—From the Studio:

Commercial announcements.

## THE CHILDREN'S HOUR.

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

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

## NIGHT SESSION.

8 p.m.—Topical Chorus.

8.5 p.m.—The Studio Instrumental Quartette (conductor, Fred C. Smith).

Overture: "Knight Errant" (Bendix).

## A KIPLING RECITAL.

8.10 p.m.—Ernest Barry in a recital of Kipling's works, including:

"If."

"Ballad of the Bolivar."

"Mandalay."

"Boots."

"The Hump."

8.40 p.m.—The Studio Instrumental Quartette:  
"Stepping Stones" (Reeves).

8.48 p.m.—Berenice Berg, contralto:

"Comrade of Mine" (Thomas and Kerr).

"The String of Pearls" (Phillips).

9 p.m.—Metropolitan weather forecast.

9.1 p.m.—S. Wilcox, baritone:

"In Old Madrid" (Carmen).

"Two Eyes of Grey" (McGeoch).

9.8 p.m.—The Studio Instrumental Quartette:

Popular numbers.

9.13 p.m.—Phyllis Verner, soprano:

Selected.

9.20 p.m.—Kenyon (The Entertainer).

9.25 p.m.—The Studio Instrumental Quartette:  
March, "Old Faithful" (Holymann).

## GRAMOPHONE RECITAL.

9.30 p.m.—A recital of electrically reproduced records.

10 p.m.—"Queenslander" bi-weekly news service.

10.30 p.m.—Late news; weather news.  
Close down.

## 6WF, PERTH

TUESDAY, 9th 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.—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.

4.50 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.—Birthday greetings and stories for the Kiddies by Uncle Percy.

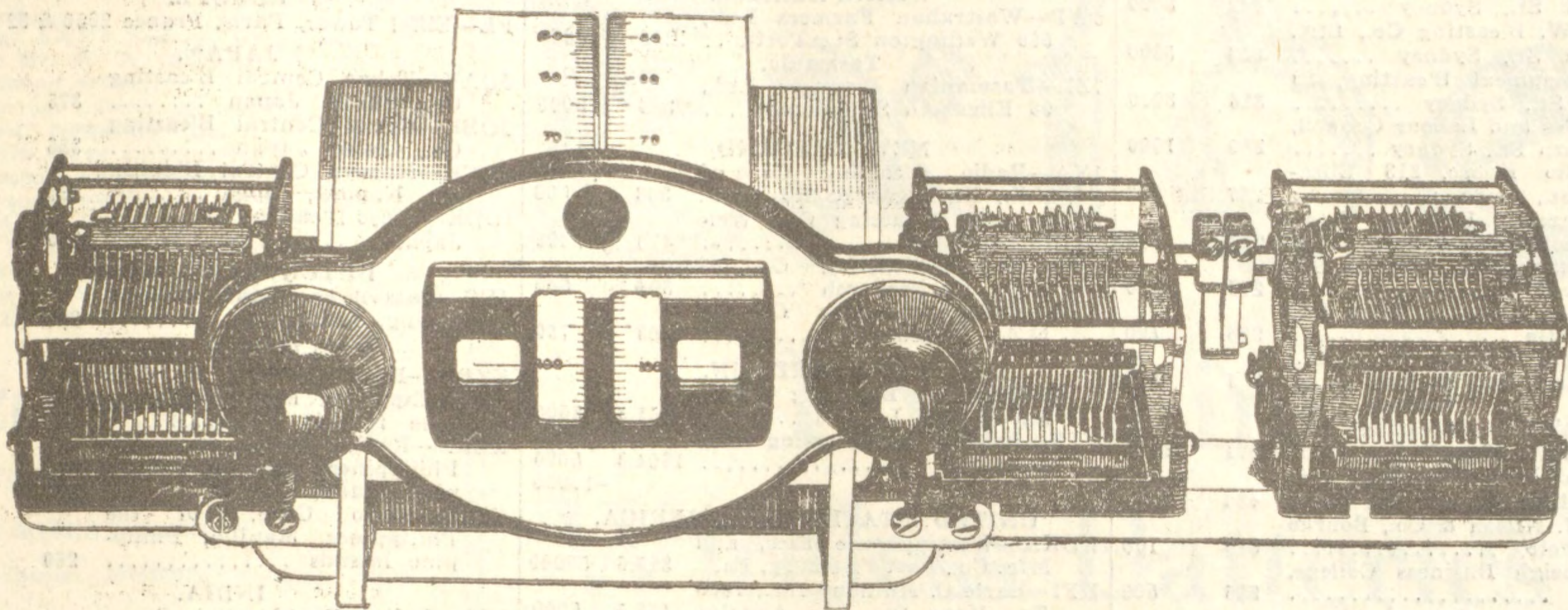
7.5 p.m.—Items by the Studio Trio.

7.30 p.m.—Stocks, Markets, News.

7.45 p.m.—Talk by Dr. J. S. Battye, B.A., LL.B.



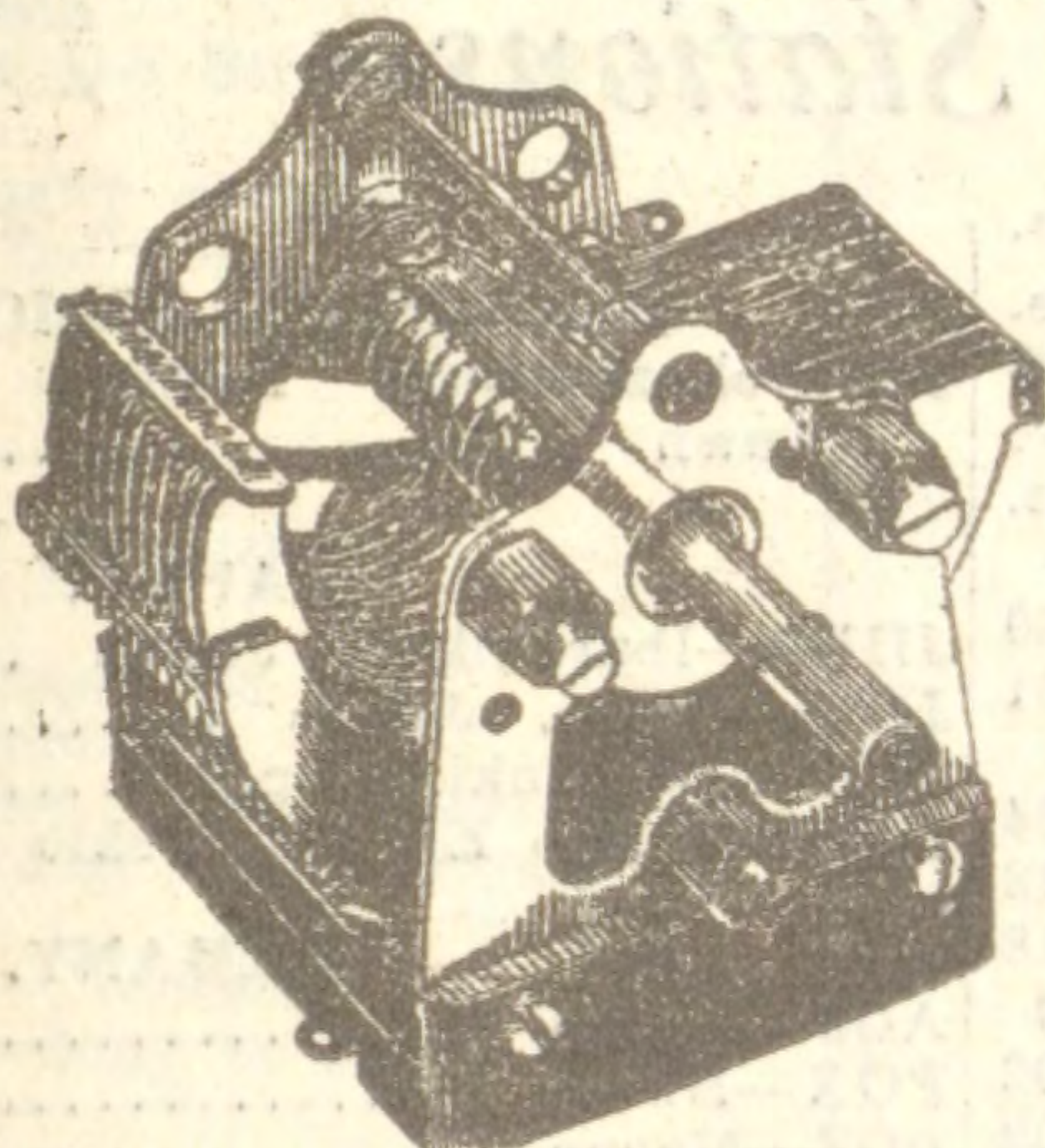
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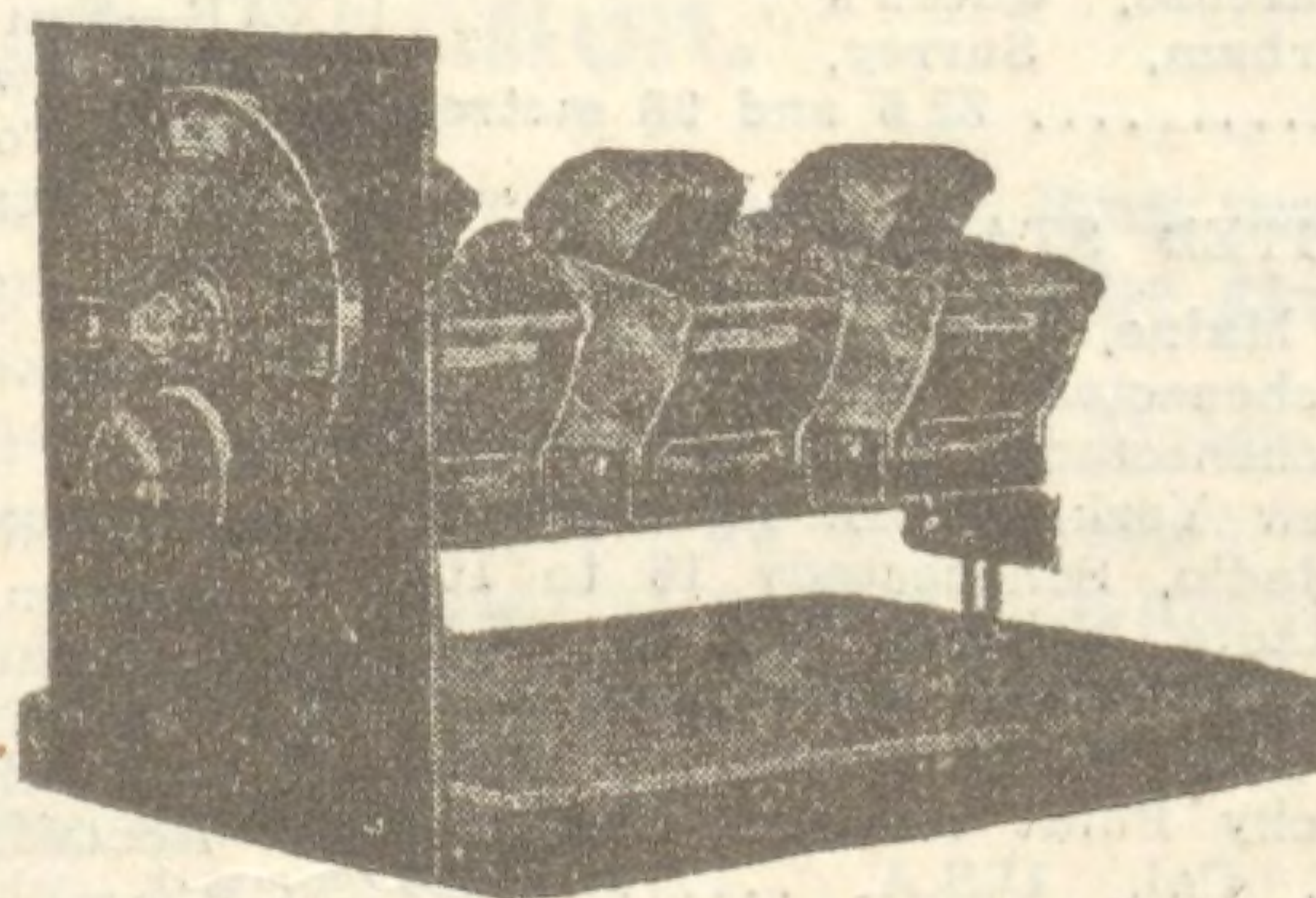
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2FC—N.S.W. B'casting Co., Ltd., Market St., Sydney .....	442	5000	5KA—Sport Radio Ltd., 51 Kin- tore Ave., Prospect .....	250 1000	454.3	30000
2BL—N.S.W. B'casting Co., Ltd., Market St., Sydney .....	353	5000	Western Australia.		EUROPE.	
2GB—Theosophical B'casting, 29 Bligh St., Sydney .....	316	3000	6WF—Westralian Farmers Ltd., 569 Wellington St., Perth ..	1250 5000	FL—Eiffel Tower, Paris, France	
2KY—Trades and Labour Council, Goulburn St., Sydney .....	280	1500	Tasmania.		2650 & 32 5000	
2UW—Radio House, 213 Eliza- beth St., Sydney .....	267	500	7ZL—Tasmanian B'casters Ltd., 95 Elizabeth St., Hobart ...	535 3000	JAPAN.	
2UE—Electrical Utilities, Ltd., 619 George St., Sydney .....	293	250	NEW ZEALAND.		JOAK—Tokyo Central B'casting Co., Tokyo, Japan .....	
2MK—Mockler Bros., Hawick St., Bathurst .....	275	250	1YA—Radio B'casting Co. of N.Z., Karangahope Rd., Auk.	333 500	JOBK—Osaka Central B'casting Co., Osaka, Japan .....	
2HD—H. A. Douglas, King St., Newcastle .....	288	100	2YA—Radio B'casting Co., Wel- lington .....	420 5000	JOCK—Nagoya Central B'casting Co., Nagoya, Japan .....	
2BE—Burgin Electric Co., Ltd., 840 Kent St., Sydney .....	316	100	3YA—Radio B'casting Co. of N.Z., Christchurch .....	306 500	JODK—Keijo B'casting Co., Keijo, Japan .....	
3LO—Dominions B'casting Co., Ltd., 120a Russell St., Melb.	371	5000	4YA—Radio B'casting Co. of N.Z., Dunedin .....	463 750	DUTCH EAST INDIES.	
3AR—Dominions B'casting Co., Ltd., 120a Russell St., Melb.	484	1600	GREAT BRITAIN.		JFC—Bataviasche Radio, Jereen- ing, Batavia .....	
3UZ—O. J. Nilson & Co., Bourke St., Melb. ....	319	100	2LO—British B'casting Co., Savoy Hill, London .....	361.4 3000	PHILIPPINE ISLANDS.	
3DB—Druleigh Business College, Melb. ....	255	500	5XX—British Broadcasting Co., Daventry .....	1604.3 5000	KZRM—Radio Corp. of The Philippines, Manila, Philip- pine Islands .....	
Queensland.			UNITED STATES OF AMERICA.		KZKZ—Radio Corp. of the Philippines, Manila, Philip- pine Islands .....	
4QG—Queensland Govt. Radio Service, Brisbane .....	335	5000	KDKA—Westinghouse Elec. and Mfg. Co., East Pittsburg, Pa.	815.6 50000	KZIB—Radio Corp. of the Philippines, Manila, Philip- pine Islands .....	
4GR—Gold Radio Service, Mar- garet St., Toowoomba .....	294	100	KFI—Earle C. Anthony Inc., 1000 So., Hope St., Los Angeles	468.5 5000	INDIA.	
South Australia.			KGO—General Electric Co., Oakland, California .....	384.4 5000	7CA—Indian Broadcasting Co., Calcutta .....	
5CL—Central B'casters, Ltd., 59 Franklin St., Adelaide .....	395	5000	KOA—General Electric Co., 1870 Krameria St., Denver, Colo.	325.9 5000	7BY—Indian Broadcasting Co., Bombay .....	
5DN—5DN Pty., Ltd., 2-4 Mont- perier St., Parkside .....	313	500	WEAF—National B'casting Co., 195 Broadway, New York ..		SOUTH AFRICA.	
			WG—General Electric Co., So. Schenectady, N.Y. ....	379.5 50000	WAMG—African B'casting Assn., Cape Town, South Africa ..	
					JB—African B'casting Co., Johannesburg, South Africa,	

## Short Wave Broadcasting Stations

AUSTRALIA.		Wavelengths.		Wavelengths.		Wavelengths.	
2ME—A.W.A. (Syd.) station used for 2FC transmissions .....		28.5	WHAM—Rochester, N.Y. ....	Various.	15-100	SOUTH AFRICA.	
2YG—Ray Allsop (Syd.) station used for 2BL transmissions .....		32.5	WGY—Schenectady, N.Y. ....	61.06	61.06	JB—Johannesburg Bd'g. Co., Cape Town .....	
2ME—A.W.A. (Melb.) station used for 3LO transmissions .....		32.	WJZ—Bound Brook, N.J. ....	Various.	52.	JAPAN.	
4.30 a.m. to 6.30 a.m. every Monday (Melb. time).			WLW—Crossley Radio, Cincinnati ..	52.	52.	JHBB—Ibarakiken, Japan .....	
6AG—W. E. Coxon (Perth) station used for 6WF transmissions .....		32.9	WOW—Fort Wayne, Indiana .....	22.80	22.80	JIPP—Tokio, Japan .....	
GREAT BRITAIN.			WRNY—Coteyville, N.J. ....	30.91	30.91	JIAA—Iwatsuki, Japan .....	
5SW—Marconi Company, Chelms- ford, England .....		24	WBZ—Springfield, Mass. ....	70	70	JKZB—Tokio El. Co., Tokio .....	
2YT—Poldhu, England, .....		25, 32, 92, 94	8XF—Cleveland, Ohio .....	66.04	66.04	GERMANY.	
2NM—Gerald Marcuse, Queen's Park, Caterham, Surrey, England .....		32.5 and 28 metres	WAAM—Newark, N.J. ....	65.18	65.18	AGJ—Naven .....	
UNITED STATES.			KFBC—San Diego, U.S.A. ....	65.18	65.18	POX—Naven .....	
2XAA—Houlton, Maine, U.S.A. ....		21.99	2XAO—Newark, N.J. ....	65.4	65.4	POZ—Naven .....	
2XAD—G.E.C. Schenectady, U.S.A. ..		21.96	XJ—Columbus, Ohio .....	54.02	54.02	EH9XD—Zurich Radio Club .....	
2XAF—G.E.C. Schenectady, N.Y. ....		32.7	2XBH—Coney Island, N.Y. ....	54.02	54.02	AGC—Naven .....	
2ZAG—G.E.C. New York, U.S.A. 14, 16, 42.			WCGV—Brooklyn, N.Y. ....	54	54	NORWAY.	
2XAC—W.G.Y. Radio, Schenectady 15 to 100			7XAD—Portland, Oregon .....	53.54	53.54	LGN—Bergen, Norway .....	
2XBA—W.G.Y. Radio, Newark, N.J. ..		65.18	8XAL—Harrison, Ohio .....	52.05	52.05	SWEDEN.	
2XAL—"Radio News," New York ....		30.91	6XAR—San Francisco, Calif. ....	33	33	7MK—Copenhagen .....	
2XE—Richmond Hill, N.Y. ....		22.1	2XAB—New York, U.S.A. ....	24	24	7RL—Copenhagen .....	
2XG—W.E.C. Rocky Point .....		16.02, 23.	WOWO—Fort Wayne, Indiana .....	22.8	22.8	AUSTRIA.	
6XAI—Inglewood, Cal., U.S.A. ....		66.04	8XAO—Detroit, Mich. ....	32.	32.	OKK2—Vienna, Austria .....	
6XAR—San Francisco, Cal., U.S.A. ..		33	INDO-CHINA.		31.5	SPAIN.	
8XK—c/o K.D.K.A., E. Pittsburg, U.S.A.		63.5, 42, 14.	HVA—Hanoi, Indo-China .....	31.5	31.5	—Casablanca, Spain .....	
8XP—c/o KDKA, E. Pittsburg, U.S.A.		63.5, 42, 14.	HOLLAND.			FRANCE.	
9XU—Council Bluffs, Iowa .....		61.06	PCJJ—Philips' Experimental Station, Hilversum, Holland	31.4	31.4	GC—Radio LL, Paris .....	
KDKA—Westinghouse Ltd., Pittsburg		63.5, 42, 26, 14.	PCLL—Philips' Lamps, Ltd., Kootwijk, Holland .....	32.5, 46	32.5, 46	YR—Lyon, Rhone .....	
KFKX—Hastings, Nebr. ....		56	PCTT—Philips' Lamps, Ltd., Kootwijk, Holland .....	21	21	FL—Eiffel Tower, Paris .....	
NPG—San Francisco, Cal., U.S.A. 40, 43, 81.			PCMM—Philips' Lamps, Ltd., The Hague, Holland .....	25	25	SWITZERLAND.	
NXX—Bellevue, Anna, D.C., 16, 17, 20, 50, 54,		71, 81, 84.	PCPP—Philips' Lamps, Ltd., Kootwijk, Holland .....	27	27	EH9OC—Berne, Switz. ....	
WCY—Schenectady, N.Y. ....		32, 79, 32.5	PCUU—Philips' Lamps, Ltd., The Hague, Holland .....	42	42	JAVA.	
WGN—W.E.C. Long Island, N.Y. ....		75	UNION OF SOVIET SOCIALIST REPUBLICS.			ANF—Malabar .....	
			RFN—U.S.S.R. Moscow .....	29, 60, 50	29, 60, 50	JFC—Bataviasche Radio, Batavia ..	
			RFM—U.S.S.R. Siberia .....	60, 30	60, 30	ANDIR—Bandoeng .....	
			ITALY.			ANE—Malabar .....	
			IMI—Unione Radiofonica, Milan .....	45	45	ANH—Malabar .....	
			IDO—Ide Radio, Italy .....	33.5	33.5		
			IAX—Rome, Italy .....	45	45		



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, Stereophonic Transmission:  
 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.  
 10.30 p.m.—Close down.  
 104.5 METRE TRANSMISSION.  
 Simultaneous broadcast on 104.5 metres of programme given on 1250 metres, commencing at 6.45 p.m.

**7ZL, HOBART**

TUESDAY, 9th OCTOBER, 1928.

## MIDDAY SESSION.

11.30 a.m.—Special Midlands Weather forecast.  
 11.31 a.m.—Selection on the studio "Recreator."  
 11.55 a.m.—Tasmanian Station 9 a.m. weather report.  
 12 noon.—G.P.O. Clock chimes the hour.  
 12.1 p.m.—Shipping information.  
 Ships within wireless range.  
 Mail notices.  
 Housewives Guide.  
 12.8 p.m.—Selections on the Studio "Recreator."  
 12.11 p.m.—British Official Wireless news.  
 12.20 p.m.—Selections on the Studio "Recreator."  
 12.29 p.m.—Announcements.  
 12.33 p.m.—Selections on the Studio "Recreator."  
 12.55 p.m.—"Mercury" news service.  
 Produce sales held at Railway.  
 1.10 p.m.—Selections on the studio "Recreator."  
 1.30 p.m.—Close down.

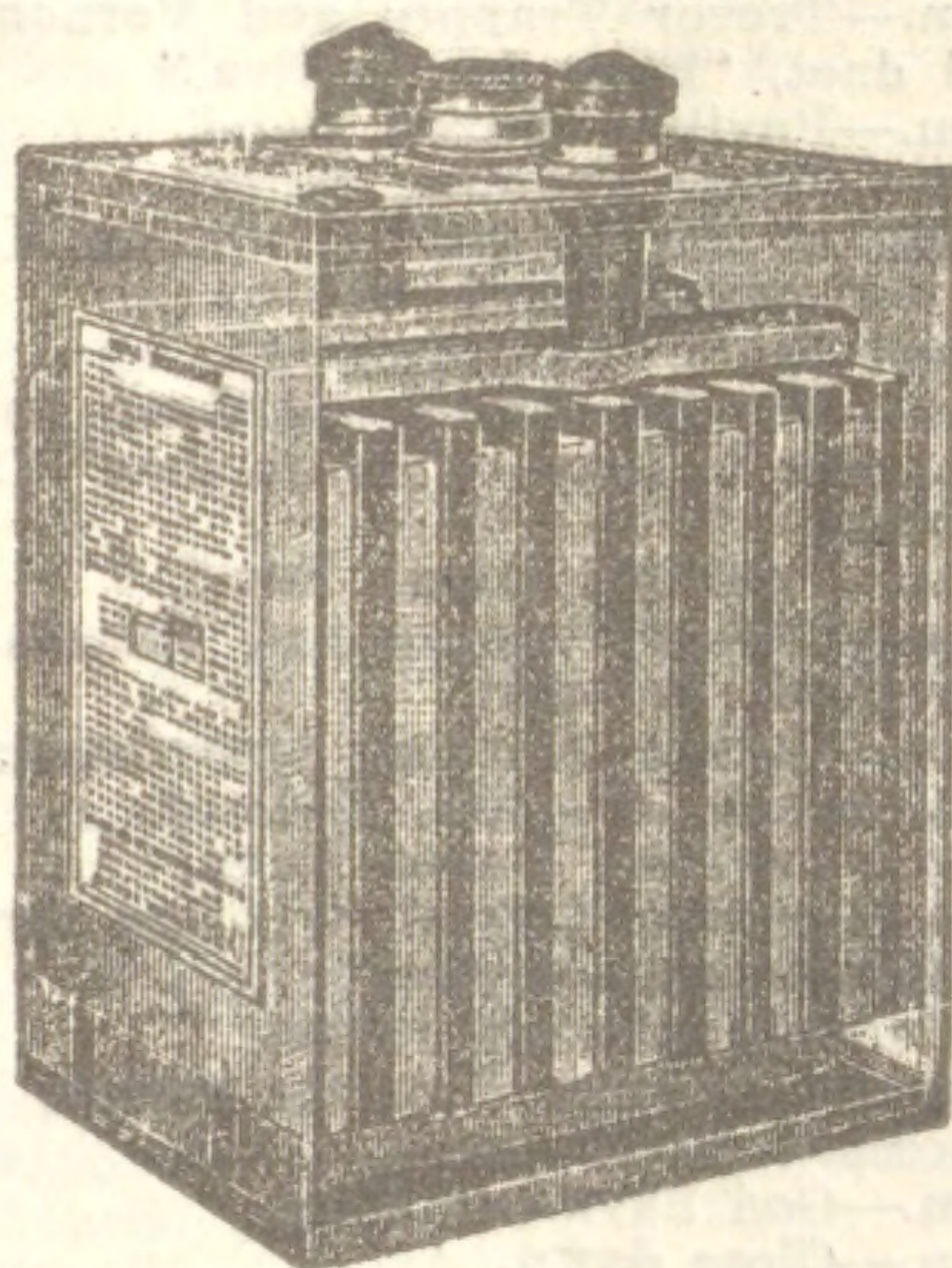
## AFTERNOON SESSION.

3 p.m.—G.P.O. Clock chimes the hour.  
 3.1 p.m.—Weather information.  
 3.5 p.m.—Selections on the Studio "Recreator."  
 3.15 p.m.—An All Star Vocal and Instrumental Concert.  
 Jean Lensen and His Orchestra:  
 "Chanson Hindou" —Song of India (Rimsky-Korsakov).  
 "Second Serenade" (Toselli).  
 Clara Butt and Kennerley Rumford:  
 Duet, "The Keys of Heaven" (Traditional).  
 Duet, "Friendship" (Phillip Sydney).  
 Edward Isaac:  
 Piano solo, "Moment Musical, F. Minor" (Schubert).  
 "Humoreske" (Tchaikowsky).  
 "Waltz in D. Flat" (Chopin).  
 Charles Hackett, tenor:  
 "In a Persian Garden" —Ah Moon of my delight (Lehmann).  
 Charles Hackett, tenor:  
 "Beloved it is morn" (Aylward).  
 Classic Symphony Orchestra:  
 "Stradella Overture" (Flotow).  
 Parts 1 and 2.  
 Muriel Brunskill, contralto:  
 "Kathleen Mavoorneen" (Crawford).  
 "O Lovely Night" (Teschemacher).  
 Leo Cherniavsky, violin solo:  
 "Caprice Viennois" (Kreisler).  
 "La Borrachita"—A Mexican Song.  
 Alfred O'Shea, tenor:  
 "An Evening Song" (Butler).  
 "Where'er you walk" (Pope).  
 Leo Cherniavsky, violin solo:  
 "From the Canebrake" (Gardner).  
 "Waltz in A Major" (Hochstein).  
 Classic Symphony Orchestra:  
 "Rachmaninoff Prelude" (Rachmaninoff).  
 "Barcarolle—from the Tales of Hoffman" (Offenbach).  
 4.15 p.m.—Educational Talk:  
 "Education is a possession which cannot be taken away from men" (Epictetus).  
 4.30 p.m.—Close down.

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Hellesen's 4.5 A. Bat., 8/-	

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Osram, DE3B .....	4/-
Osram, DE5 .....	4/6
Deforest, DL3 .....	7/-

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LOWLOSS, .0005 .....	7/6
.00025 and .0005 Fixed, 1/-	

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## EARLY EVENING SESSION.

### CHILDREN'S HOUR.

- 6.15 p.m.—Musical selections on the studio "Recreator."
- 6.45 p.m.—The Story Lady—A Story for the Children: "The Tin Soldier."
- 7 p.m.—Answers to Letters and Birthday Greetings by "Uncle David."
- 7.5 p.m.—Selections on the Studio "Recreator."
- 7.15 p.m.—"Mercury" special Tasmanian news service.  
Railway auction produce sales.  
Weather information.  
Hobart Stock Exchange quotations.  
Launceston Show Notes.

### EVENING SESSION.

- 7.30 p.m.—W. E. Fuller will speak on: "Literary Lapses and Library Lists."
- 7.45 p.m.—Under the Auspices of the Agricultural and Stock Department of Tasmania, G. Gillies will speak on: "Producing Quality Seed."
- 8 p.m.—G.P.O. Clock chimes the hour.  
Fifty Years Ago To-day.  
Pavilion Dance Band and Concert Party.
- 8.6 p.m.—Pavilion Dance Band.
- 8.16 p.m.—Trevor Trappes, tenor: "Bird songs at eventide" (Coates).
- 8.21 p.m.—David Dolman, violin solo: "Tambourine" (Gossec).
- 8.26 p.m.—Pavilion Dance Band.
- 8.37 p.m.—Vernon Byrne, baritone solo: "Simon, the Cellarer" (Hatton).
- 8.42 p.m.—Horace Stevens, saxophone solo: "Intermezzo from 'Cavalleria Rusticana'" (Muscagni).
- 8.47 p.m.—Trevor Trappes and Vernon Byrne Vocal duet, "Flow fently diva."
- 8.52 p.m.—Pavilion Dance Band.
- 9.2 p.m.—Trevor Trappes, tenor: "Flower of the Desert" (Hermann Lohr).
- 9.7 p.m.—David Dolman, violin: "Minuet in D" (Burmister).
- 9.12 p.m.—Vernon Byrne, baritone solo: "What am I Love, without thee" (Stephen Adams).
- 9.17 p.m.—Pavilion Dance Band.
- 9.27 p.m.—Trevor Trappes and Vernon Byrne, Vocal Duet, Selected.
- 9.32 p.m.—Horace Stevens, saxophone: "Titi's Serenade" (arr. Tobani).
- 9.37 p.m.—Pavilion Dance Band.
- 9.47 p.m.—British Official Wireless news.  
"Mercury" news service.  
Ships within wireless range.  
Tasmanian District Weather report.  
Launceston Show notes.
- 10.3 p.m.—God Save our King.
- 10.4 p.m.—Close down.

## Wednesday, October 10

New South Wales Broadcasting  
Company, Limited.

## 2FC, SERVICE.

### EARLY MORNING SESSION.

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

### MORNING SESSION.

- 10 a.m.—"Big Ben" and announcements.
- 10.2 a.m.—Studio music.

- 10.10 a.m.—"Sydney Morning Herald" news service.
- 10.25 a.m.—Studio music.
- 10.45 a.m.—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.
- 12.3 p.m.—Official weather forecast, rainfall.
- 12.2 p.m.—Stock Exchange, first call.
- 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 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.

- Note: Race results from Rosebery will be transmitted as received.
- 2.30 p.m.—Programme Announcements.
  - 2.32 p.m.—Educational Session for the Schools: Talk, "Let's Go Round the World," interspersed with suitable music.
  - 3 p.m.—"Big Ben."
  - A Talk in connection with Health Week.  
Note: During the afternoon progress results of the National Rifle Association Meeting at Liverpool will be transmitted as received.
  - 3.10 p.m.—Pianoforte selection.
  - 3.25 p.m.—A Talk arranged by the Kindergarten Union.
  - 3.35 p.m.—Studio music.
  - 3.45 p.m.—"Teacups Chatter," by "Pandora."
  - 4 p.m.—Frances Lea, popular songs:  
(a) "When you played the Organ" (Gilbert).  
(b) "Thate's my Mammy" (Nelson).
  - 4.8 p.m.—The Ambassadors' Dance Orchestra, conducted by Manuel Hyman.
  - 4.15 p.m.—From the Studio:  
Gwen Gillard, soprano.
  - 4.20 p.m.—The Ambassadors' Dance Orchestra.
  - 4.30 p.m.—Frances Lea, popular songs:  
(a) "Camille" (Jack O'Hagan).  
(b) "Moon Deer" (Moret).
  - 4.36 p.m.—The Ambassadors' Dance Orchestra.
  - 4.45 p.m.—From the Studio:  
Stock Exchange, third call.
  - 4.47 p.m.—Jean Darling, mezzo:  
(a) "Ships of Arcady" (Michael Head).  
"Beloved" (Michael Head).
  - 4.53 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" and assisted by Uncle Ted and "Sandy."
- Letters and Stories.
- 6.15 p.m.—Children's 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:  
"Serenade" (Moskowski).  
"Just Another Day" (Roy Turk).  
"Salut d'Amour" (Elgar).  
"Tschalkowsky Gems."  
"Serenade Passionnee" (Laa Silen).  
"Mary Ann" (Silver).



## NIGHT SESSION.

7.40 p.m.—Programme announcements.

7.45 p.m.—Pianoforte selection.

8 p.m.—"Big Ben." From the Conservatorium Hall, Sydney. Items from the concert of the Royal Sydney Apollo Club. Conductor, Mr. Arnold Mote.

Assisting artists:

Madame Goossens Viceroy, soprano.

Vladimir Elin, Russian baritone.

Rene Burkett, violinist.

Note.—The second part of the concert from the Conservatorium will be broadcast through the wave length of 2BL.

9 p.m.—"Big Ben." Late weather forecast. From the Studio: Brunton Gibb will continue his series of talks, Modern Poets. "Memories of Kipling."

9.15 p.m.—Studio production of the comic opera (by permission of J. C. Williamson, Ltd.), "The Merry Widow," under the direction of Leo Packer.

Cast:

Sonia (the "Merry Widow"), Dorrie Ward

Natalie ..... Dorrie Ward

Prince Danilo ..... Bryson Taylor

Camille de Jolidon ..... Bryson Taylor

Musical Numbers:

Overture.

Duet, "A Dutiful Wife."

Entrance—Song and Chorus—"In Marsovia."

Song, "Maxims."

Scene and song, "Vilia."

Duet, "The Cavalier."

March Septet, "Women."

Waltz duet.

Duet and Romance, "Love in my Heart."

Valse duet, "I Love You So."

Finale.

10.15 p.m.—The N.S.W. Broadcasting Company's Orchestra. Conductor, Willis Redstone.

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

10.30 p.m.—National Anthem.

Close down.

## 2BL, SERVICE.

WEDNESDAY, 10th 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.—Musical programme from the studio.

8.15 a.m.—G.P.O. Clock and Chimes.

News from the "Daily Telegraph Pictorial."

8.25 a.m.—Musical programme from the studio.

8.30 a.m.—G.P.O. Clock and chimes.

Musical programme from the studio.

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.

Musical programme from the studio.

9 a.m.—G.P.O. Clock and chimes.

Musical programme from the studio.

9.30 a.m.—A reading.

9.40 a.m.—Musical programme from the studio.

10 a.m.—G.P.O. Clock and chimes.

Close down.

## MIDDAY SESSION.

11 a.m.—G.P.O. Clock and chimes.

Women's Session.

Sporting Talk by Miss Gwen Varley.

Women's Sports Authority.

11.15 a.m.—Talk on Electricity in the home.

12 noon.—G.P.O. Clock and chimes.

Special Ocean forecast and weather report.

12.3 p.m.—Musical programme from the studio.

12.30 p.m.—Shipping and mails.

12.35 p.m.—Market reports.

12.48 p.m.—"Sun" midday news service.

1 p.m.—Musical programme from the studio.

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.

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Philco WET 80v., 83X	£3/15/-
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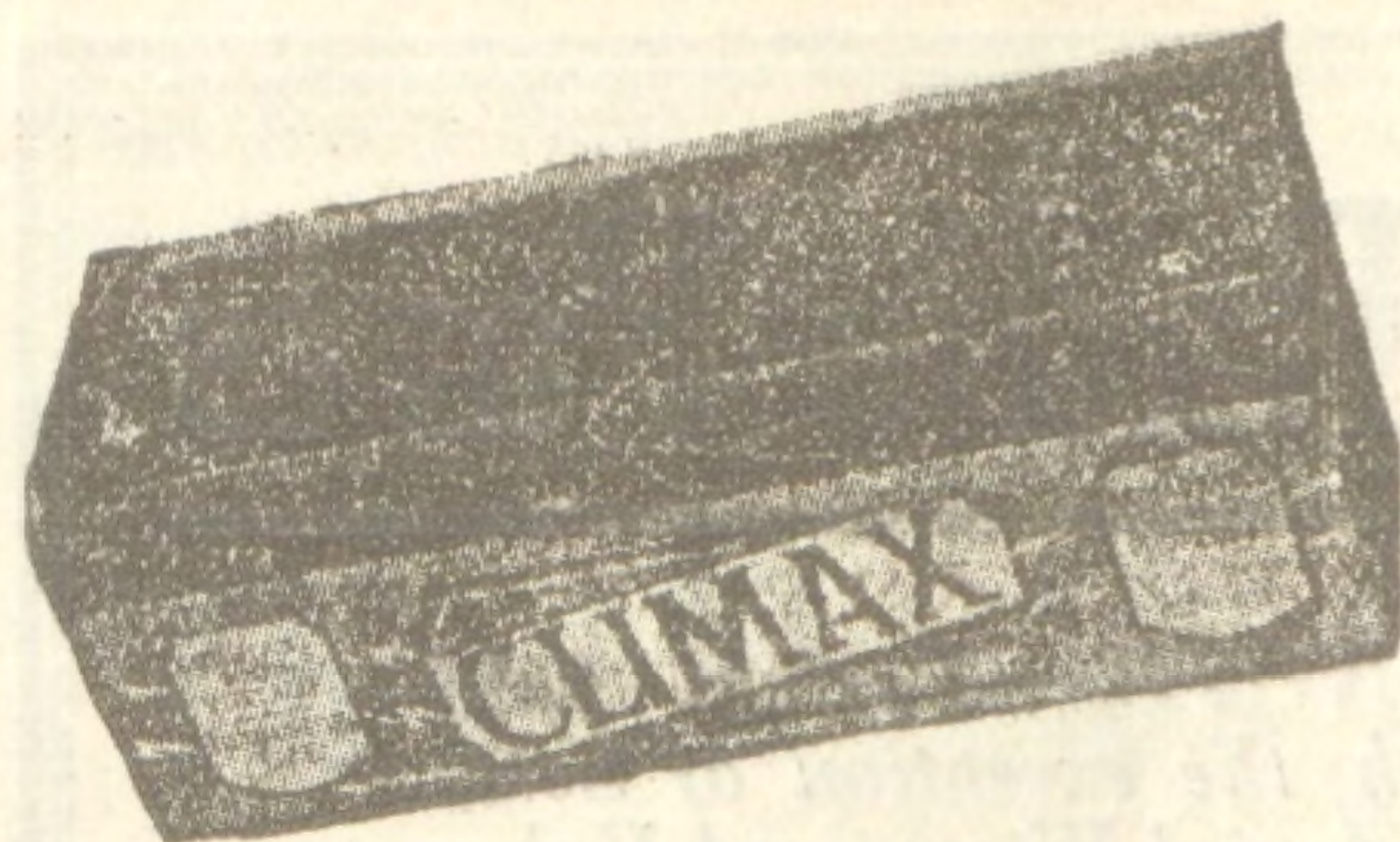
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#### AFTERNOON SESSION.

- 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 Dorothy Dewar, in popular items.
- 4.2 p.m.—Romano's Restaurant Dance Orchestra.
- 4.10 p.m.—"Sun" news service.
- 4.20 p.m.—Dorcas McLean, violinist:  
"1st Movement from Concerto in A Minor" (Sitt).
- 4.27 p.m.—Miss Lotys Lescuat, soprano:  
(a) "It's June" (Ronald).  
(b) "I couldn't Could I" (Roedel).
- 4.34 p.m.—Romano's Restaurant Dance Orchestra.
- 4.45 p.m.—Mr. Jack Barnett, Novelty Pianist.
- 4.52 p.m.—Romano's Restaurant Dance Orchestra.
- 5.5 p.m.—Miss Lotys Lescuat:  
(a) "O Ship of my delight" (Phillips).  
(b) "Oiseaux ligers" (Gumbert).
- 5.12 p.m.—Dorcas McLean:  
(a) "Brindisi Valse" (Alard).
- 5.19 p.m.—Miss Dorothy Dewar.
- 5.26 p.m.—Mr. Jack Barnett.
- 5.32 p.m.—Studio music.
- 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.—Advertising Talks and Studio items.
- 7.57 p.m.—Programme and other announcements.

#### EVENING SESSION.

- 8 p.m.—G.P.O. clock and chimes.  
Ahad Duo (steel guitars).
- 8.10 p.m.—Miss Gwen Neat in popular songs:  
(a) "Normandy" (Price and Silver).  
(b) "Riding on the Dream Train" (Lewis).
- 8.17 p.m.—Mr. George Welch, comedian.
- 8.24 p.m.—Talk in connection with Health Week.
- 8.34 p.m.—Miss Winifred Birch-Johnson, in songs at the piano.
- 8.41 p.m.—Ahad Duo (steel guitars).
- 8.51 p.m.—Mr. Claude Corbett, the sporting editor of the "Sun," will talk on general sporting.
- 9.5 p.m.—Weather report and forecast by courtesy of Government Meteorologist.
- 9.7 p.m.—Miss Gwen Neate:  
"Paradise Isle" (Goering and Pettis).
- 9.10 p.m.—Details of Radio Eisteddfod.
- 9.13 p.m.—From the Conservatorium Hall, Sydney, items from the concert of the Royal Sydney Apollo Club (conductor, Arnold Mote). Assisting artists: Madame Goossens Viceroy (soprano), Vladimir Elin (Russian baritone), Rene Burkett (violinist).
- 10.10 p.m.—From the Studio: "Week by Week," Mr. S. H. Bowden.
- 10.25 p.m.—Miss Gwen Neate:  
"Turn your eyes to the Skies" (McKinley).
- 10.28 p.m.—Mr. George Welch.
- 10.35 p.m.—Resume of following day's programme.
- 10.40 p.m.—Miss Winifred Birch-Johnson.
- 10.47 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, 10th OCTOBER, 1928

#### EARLY MORNING SESSION.

"HERALD" BREAKFAST HOUR.  
7.15 a.m. to 8.15 a.m.

#### MORNING SESSION.

- 10.50 a.m.—ERIC WELCH'S selections for the Geelong Races this afternoon.
- 11 a.m.—3LO'S CULINARY COUNSELS, or How to Create Creature Comforts with a minimum of cash.

#### RECIPE—PANCAKES.

- 1 pint milk.
- ¼ lb. flour.
- Pinch of salt.
- 3 Eggs.
- Lemon.
- Sugar.

Sift flour and salt, make a hole in middle of flour, break eggs into it, and with a wooden spoon beat into the eggs as much flour as they will take up. Add milk gradually, beating in the centre all the time. When milk is all added, allow batter to stand half-an-hour. Pour all into a jug. Heat a little butter in pan, pour away, and wipe pan well out with a piece of kitchen paper. Put more butter in, allow to get hot and pour sufficient batter in to cover bottom of pan. Allow to set and slightly brown. Shake well, and toss. Brown other side and turn on to a piece of kitchen paper. Sprinkle with sugar and lemon juice, roll up and keep hot. Serve as quickly as possible.

- 11.5 a.m.—MISS I. D. BEAVAN:  
"Home-Made Confectionery."
- 11.20 a.m.—Musical interlude.
- 11.25 a.m.—MRS. M. CALLAWAY MAHOOD:  
"The Art of Decoration."
- 11.40 a.m.—Musical interlude.
- 11.45 a.m.—MRS. CLARENCE WEBER:  
"Physical Culture for Women."

#### 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. 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.

#### BRASS BAND SESSION.

- 12.20 p.m.—JOHNSTON'S STUDIO BOYS:  
March, "Stars and Stripes."  
Overture, "Light Cavalry."
- 12.30 p.m.—HUXHAM'S SERENADERS:  
The Quartette: "Golden Gate."  
Renn Millar: "Yeoman of England."  
Hugh and Edith Huxham, Duet:  
"That's What I Think of You."  
Dolly Burdett: "Canzone."  
The Quartette: "The Nightingale."
- 12.50 p.m.—Stock Exchange information.
- 12.53 p.m.—JOHNSTON'S STUDIO BOYS:  
Reverie: "Evening Chimes."
- 1 p.m.—Melbourne Observatory Time Signal.
- 1.1 p.m.—JOHN D. FRASER, Baritone:  
"Danny Boy."  
"Vale."
- 1.8 p.m.—Meteorological information.  
Weather Forecast for Victoria, Tasmania, South Australia and New South Wales.  
Ocean forecast: River reports. Rainfall.
- 1.15 p.m.—JOHNSTON'S STUDIO BOYS:  
Humorous Polka, "The Jolly Blacksmith."  
March, "Old Comrades."
- 1.22 p.m.—JOHN D. FRASER, Baritone:  
"An Old Carol."  
"A Brown Bird Singing."

#### ROTARY CLUB LUNCHEON.

- 1.30 p.m.—Transmission from the Freemason's Hall, Collins-street, Melbourne. Speeches at the Rotary Club Luncheon.



## AFTERNOON SESSION.

- 2.13 p.m.—Description of the Trial Hurdle, 2 miles, GEELONG RACES, by ERIC WELCH.
- 2.20 p.m.—THE STATION ORCHESTRA: Selection, "Blue Kitten" (Friml).
- 2.25 p.m.—ALTHOUSE AND McCALLUM, Soprano and Pianiste, Baritone and Flautist. Selected.
- 2.37 p.m.—THE STATION ORCHESTRA: "Four Dances from the Rebel Maid" (Phillips).
- 2.43 p.m.—Description of the Maiden Plate, 5 furlongs, GEELONG RACES, by ERIC WELCH.
- 2.50 p.m.—FRED BLUETT, Comedian (by permission J. C. Williamson, Ltd.): "Mirthful Moments."
- 2.57 p.m.—THE STATION ORCHESTRA: "Suite Enfantine" (Tardelli).
- 3.7 p.m.—MARCELLE BERARDI, Soprano: "Pretty Mocking Bird" (Bishop). "Chanson de Solvæg" (Grieg).
- 3.13 p.m.—Description of the Grovedale Handicap, 1¼ miles, GEELONG RACES, by ERIC WELCH.
- 3.20 p.m.—THE STATION ORCHESTRA: "Four Fancies" (Somerville).
- 3.27 p.m.—JESSIE SMITH, Contralto: "If Thou Went Blind" (Johnston). "Nothin' but Love" (Hageman).
- 3.34 p.m.—BERTHA JORGENSEN, Violin: Movement from Sonata (Beethoven).
- 3.43 p.m.—Description of the Trial Jumpers' Flat Race, 1½ miles, GEELONG RACES, by ERIC WELCH.
- 3.50 p.m.—FRED BLUETT, Comedian (by permission J. C. Williamson, Ltd.): "Comic Cuts."
- 3.57 p.m.—THE STATION ORCHESTRA: Selection, "Miss Hook of 'Holland'" (Rubens).
- 4.7 p.m.—MARCELLE BERARDI, Soprano: "The Bell Song" (Delibes). "Chanson Arabe" (Bemberg).
- 4.13 p.m.—Description of the Trial Handicap, 6 furlongs, GEELONG RACES, by ERIC WELCH.
- 4.20 p.m.—THE STATION ORCHESTRA: Selection, "Gloriana" (Friml).
- 4.30 p.m.—JESSIE SMITH, Contralto: "Sylvia" (Speaks). "I Love You More" (Lee).
- 4.37 p.m.—THE STATION ORCHESTRA: Selection, "Island King" (Garstin).
- 4.43 p.m.—Description of the Welter Handicap, 7 furlongs, GEELONG RACES, by ERIC WELCH.

## NEWS SESSION.

- 4.50 p.m.—"Herald" news service. Stock Exchange information.
- 5.17 p.m.—Close down.  
During the afternoon the results of the Mildura and Woorinen races will be given as they come to hand.

## EVENING SESSION.

## CHILDREN'S HOUR.

- 6 p.m.—Answers to Letters and Birthday Greetings by "Little Miss Kookaburra."
- 6.25 p.m.—Monsieur Sonora will play you a tune.
- 6.30 p.m.—"LITTLE MISS KOOKABURRA."

## NIGHT SESSION.

- 7.5 p.m.—Stock Exchange information.
- 7.15 p.m.—Market reports.
- 7.43 p.m.—Birthday Greetings.

## OUT OF THE PAST.

- 7.45 p.m.—On October 10th, 1803, the explorer Collins, with his party, arrived at Port Phillip, and the Panama Canal was completed in 1913. October 10th, 1914, heralded the commencement of operations in Flanders, when the Battle of La Bassée was fought.
- 7.46 p.m.—Under the Auspices of the DEPARTMENT OF AGRICULTURE, R. T. ARCHER, Senior Dairy Inspector, will speak on: "Management of Young Pigs."

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An H.T. Accumulator to meet the present day demand for greater power and better reception in Radio.

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40 Volts	50/-
60 Volts	75/-
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# OLDHAM

## Accumulator





## Bill's Nose

If Bill's nose were a penny magnet it couldn't collect more pins than, as a respiratory organ, it collects trouble.

It is a constant attraction to adenoids, indigestion, cynical women, colds, police fines, and caustic comments from prohibitionists.

They gravitate to it with the sure instinct of small insects to a woolly dog.

As is a luscious apple, hanging over a fence to a small boy, so is Bill's nose to a tempted providence.

It can't keep its hands off it!

Large, red, shaped like a moon in its last quarter, it bears boldly the imprint of hoary fists, hob-nailed boots, and children's loving hands.

Even in wartime days, a sniper's bullet found its careless way through the tip of the fiery blob. The bullet was meant, no doubt, for the rosy ribbon on some brave fellow's chest!

Now much water (?) has passed beneath that bridge!

In the ripeness of middle age, Bill's nose hangs above a drooping crescent of moustaches, like a Dutch cheese in an undertaker's window.

All that is left for Bill is to join the Klu Klux Klan.

Fortified behind a kindly pillow-slip he feels he could really enjoy life.

Meanwhile, he clings to his Acme Eliminator.

"Nothing," says Bill, "gives you such a feeling of calm confidence as owning a real live socket power for your radio set, that is both unobtrusive and trouble-proof."

Nothing—that is, except a Grecian profile or a bottle of . . . orange crush!

The New System radio folk, at 280 Castlereagh Street, sold Bill his Eliminator, but they cannot help his nose.

### A MAKER OF HISTORY.

8 p.m.—To-day we commemorate the birthday of the famous Arctic explorer Nansen. Programme Announcements.

### VARIETY.

- 8.1 p.m.—THE STATION ORCHESTRA: Selection, "Il Trovatore" (Verdi).  
 8.10 p.m.—HARMONISTS' MALE QUARTETTE:  
 "The Tar's Song" (Hatton).  
 "King Arthur"—Traditional.  
 8.17 p.m.—AGNES FORTUNE, Piano:  
 "Scherzo" (Grieg).  
 "Minuet E Flat" (Beethoven).  
 8.27 p.m.—THE STATION ORCHESTRA: Selection, "La Tosca" (Puccini).  
 8.37 p.m.—TOM MASTERS, Tenor:  
 "I Heard You Singing" (Coates).  
 "Sigh No More" (Atkin).  
 8.44 p.m.—THE STATION ORCHESTRA: Suite, "Minnehaha"—Part I. (Coleridge-Taylor).  
 8.50 p.m.—ELSY TREWEEK, Soprano:  
 "Nightfall at Sea" (Phillips).  
 "The Star" (Rodgers).  
 8.57 p.m.—THE STATION ORCHESTRA: "Minnehaha"—Part II. (Coleridge-Taylor).  
 9.7 p.m.—W. A. SOMERSET:  
 "Shipwrecks in Australian Waters."  
 "ALL CLEAR!"  
 9.22 p.m.—ALTHOUSE AND McCALLUM, Soprano and Pianiste, Baritone and Flautist: Selections from their Repertoire.  
 9.35 p.m.—HARMONISTS' MALE QUARTETTE:  
 "Old Kentucky Home" (Foster).  
 "Two Negro Spirituals" (Burleigh).  
 9.42 p.m.—WALTER SMITH, Cornet:  
 "Somewhere a Voice is Calling" (Tate).  
 9.50 p.m.—ELSY TREWEEK, Soprano:  
 "Waters of Minnetonka" (Laurence).  
 "Mighty Like a Rose" (Neven).  
 "Crying for the Moon" (Dickson).  
 9.57 p.m.—THE STATION ORCHESTRA:  
 "Cobweb Castle" (Lehmann).

### NEWS SESSION.

- 10.7 p.m.—"Argus" news service. British Official Wireless news from Rugby. Meteorological information.  
 10.17 p.m.—JAMES FRASER, Baritone:  
 "Bois Epas" (Tully).  
 HORACE WHITE AND JAMES SCOTT, Duet:  
 "In This Solemn Hour" (Verdi).  
 10.24 p.m.—THE STATION ORCHESTRA: Suite, "Miniature" (Eric Coates).  
 10.34 p.m.—HARMONISTS' MALE QUARTETTE:  
 "Hard Times" (Foster).  
 "Land O' the Leal" (Button).  
 10.42 p.m.—FRED BLUETT, Comedian (by permission J. C. Williamson, Ltd):  
 "Are We Downhearted? No!"  
 10.49 p.m.—THE RADI-O-ACES.  
 11.1 p.m.—THE RADI-O-ACES.  
 11.40 p.m.—GOD SAVE THE KING.

## 3AR, MELBOURNE.

WEDNESDAY, 10th OCTOBER, 1928

### MORNING NEWS SESSION.

10 a.m. to 10.59 a.m.

### MORNING MUSICAL SESSION.

- 11 a.m.—The Radi-o-aces.  
 11.15 a.m.—Bel Luscombe, Soprano:  
 "One Little Dream of Love" (Westall Gordon).  
 "Annie Laurie" (Liza Lehmann).  
 11.22 p.m.—The Radi-o-aces.  
 11.37 a.m.—Half-an-hour of the latest records.  
 12.7 p.m.—The Radi-o-aces.  
 12.27 p.m.—Bel Luscombe, Soprano:  
 "Mountain Lovers" (W. H. Squire).  
 "Indian Dawn" (Zamecnik).  
 12.34 p.m.—The Radi-o-aces.  
 12.44 p.m.—Martin La Matt, Tenor:  
 "Come to the Fair" (Easthope Martin).  
 "Come, Sing to Me" (Jack Thompson).

- 12.51 p.m.—The Radi-o-aces.  
 1.6 p.m.—Martin La Matt, Tenor:  
 "I'll Change the Thorns to Roses."  
 "Alone" (Lee Johnston).  
 1.13 p.m.—The Radi-o-aces.  
 1.30 p.m.—Close down.

### EVENING SESSION.

- 5 p.m.—A Recital of the Best and Latest Records.

### NIGHT SESSION.

- 8 p.m.—Kathleen Lascelles:  
 "The Art of Dancing."  
 8.15 p.m.—Capt. C. H. Peters:  
 "Books, Wise and Otherwise."  
 8.30 p.m.—DR. EARLE PAGE, Treasurer and Leader of the Country Party, will deliver his Policy Speech from Grafton.  
 9.50 p.m.—Coburg City Band:  
 Selection, "The Talisman" (Balfe).  
 10 p.m.—Marcelle Berardi, Soprano:  
 "Carcebras" (Chapi).  
 "Caro mio ben" (Giordani).  
 10.7 p.m.—Reg. Brown, Piano:  
 "Valse" (Chopin).  
 "Impromptu in A Flat" (Chopin).  
 "Automne" (Chaminade).  
 10.17 p.m.—Jessie Shmith, Contralto:  
 "When You are Old" (Sanderson).  
 "The Joy of a Rose" (Tarbox).  
 10.24 p.m.—Coburg City Band:  
 Fantasia, "Silverale" (Allen).  
 10.34 p.m.—Jessie Shmith, Contralto:  
 "Ashes of Roses" (Woodman).  
 "Blackbird Song" (Cyril Scott).  
 10.41 p.m.—Coburg City Band:  
 March, "Deeds of Daring" (Rimmer).  
 March, "Argandab" (Thompson).  
 10.51 p.m.—"Age" news service, exclusive to 3AR.  
 10.58 p.m.—Weather forecast.  
 11 p.m.—God Save the King.

## 4QG, BRISBANE

WEDNESDAY, 10th OCTOBER, 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.—From the G.P.O.  
 The Postal Institute Orchestra.  
 1.58 p.m.—From the Brisbane Observatory:  
 Time signals.

### AFTERNOON SESSION.

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

### EARLY EVENING SESSION

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



## THE CHILDREN'S HOUR.

6.30 p.m.—Bedtime stories conducted by "Little Miss Brisbane."

## LATE COMMERCIAL NEWS.

7 p.m.—News in brief.  
 7.5 p.m.—Stock Exchange news.  
 7.6 p.m.—Metal quotations.  
 7.7 p.m.—Market reports.  
 7.25 p.m.—Fenwick's Stock report.  
 7.30 p.m.—Weather information.  
 7.40 p.m.—Announcements.  
 7.43 p.m.—Standard time signals.  
 7.45 p.m.—Lecturette: "A Live Stock Topic" by Mr. McKenzie (Queensland Agricultural High School and College).

## NIGHT SESSION.

8 p.m.—From the studio.  
 Topical Chorus.  
 Alf. Featherstone and His Orchestra:  
 Rhythmic paraphrase: "Faust" (arr. Lange).  
 "Aida" (arr. Lange).  
 8.10 p.m.—F. Coles, tenor:  
 "Like Stars Above" (Squire).  
 "Love, Here is My Heart" (Sillsu).  
 8.17 p.m.—Alf. Featherstone and His Orchestra  
 Fox trot: "Happy Go Lucky Lane" (Levis).  
 Fox trot: "Somebody and Me" (Klages).  
 8.27 p.m.—Feo Todd, elocutionist:  
 "When a Maid Marries" (Berry).  
 "Me Too" (Wallace).  
 8.35 p.m.—Alf Featherstone and his Orchestra:  
 Fox trot, "Mary Ann" (Davis).  
 Fox trot, "I'm Riding to Glory" (Dixon).  
 8.45 p.m.—Tecomia will deliver a further talk in connection with 4QG's Home Garden Scheme. His subject will be: "The Care of Young Seedlings."  
 8.55 p.m.—Alf Featherstone and his Orchestra:  
 Fox trot, "While the Others are Dancing" (Fain).  
 Fox trot, "Mother o' Mine" (Jolsen).  
 9.5 p.m.—Metropolitan weather forecast.  
 9.6 p.m.—Alf Featherstone and his Orchestra:  
 Jazz waltz: "Paradise Isle" (Goering).  
 9.16 p.m.—Stanley Tamblin, bass:  
 "Song of the Volga Boatmen."  
 "Captain Blaze" (Richards).  
 9.22 p.m.—Alf Featherstone and his Orchestra:  
 Fox trot: "I'm More Than Satisfied" (Walker).  
 Fox trot, "Didn't I Tell You" (Rose).  
 9.32 p.m.—Thelma Champion, soprano:  
 "When the Sun Shines on the Road" (Tate).  
 "Sometimes in Summer" (Bennett).  
 9.38 p.m.—Alf Featherstone and His Orchestra:  
 Fox-trot, "Everybody's Talking About My Gal" (Snyder).  
 Fox trot, "Just Another Day Wasted Away" (Tobias).  
 Fox trot, "Ice Cream" (Johnson).  
 Fox trot, "My Melancholy Baby" (Norton).  
 9.48 p.m.—Late news; weather news.  
 10 p.m.—Alf Featherstone and his Orchestra:  
 An hour's dance music.  
 11 p.m.—Close down.

## 6WF, PERTH

WEDNESDAY, 10th 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.—Studio Quintette, conducted by Mr. Val Smith.  
 2 p.m.—Close down.

## AFTERNOON SESSION.

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

## This week at Farmer's

## The Famous "Six-sixty" Valve

## British-made

A Dull Emitter Valve of outstanding quality, for all stages of L.F. amplification, giving power, strength and loud speaker operation. British made in two special types. Price, 13/6



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13/6

## Type SS610P

Type SS610P, for use with 6-Volt Accumulator; filament current, 0.1 Amp.; Max. filament Voltage, 6 volts; Max. Anode Voltage, 100 volts.

## Type SS410P

Type SS410P, for use with 4-volt accumulator; filament current, 0.1 Amp.; Max. Filament Voltage, 4 volts; Max. Anode Voltage, 100 volts.

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## EVENING SESSION.

- 6.45 p.m.—Tune in.  
The evening transmission is broadcast on 104.5 metres as well as the usual wavelength.
- 6.48 p.m.—Uncle Duffy's evening with the Kiddies.
- 7.5 p.m.—Items by the Studio Trio.
- 7.30 p.m.—Stocks, Markets, News.
- 7.45 p.m.—Talk "Stock Diseases" by Lieut. Col. Le Souef, Director of the Zoological Gardens, South Perth.
- 8 p.m.—Time signal.
- 8.1 p.m.—Weather notes supplied by the Meteorological Bureau of Western Australia. Station announcements such as alterations to programmes, etc.
- 8.3 p.m.—Variety Night:  
Musical programme from the studio, including vocal and instrumental artists.
- 9 p.m.—Late News items by courtesy of "The Daily News" Newspaper Co.  
Ships within range announcement.  
Weather report and forecast.  
Station announcements.
- 10.30 p.m.—Close down.

## 104.5 METRE TRANSMISSION.

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

## 7ZL, HOBART

WEDNESDAY, 10th OCTOBER, 1928

## MIDDAY SESSION.

- 11.30 a.m.—Special Midlands Weather forecast.
- 11.31 a.m.—Selection on the studio "Recreator."
- 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 on the studio "Recreator."
- 12.11 p.m.—British Official Wireless news.
- 12.20 p.m.—Selections on the studio "Recreator."
- 12.29 p.m.—Announcements.
- 12.33 p.m.—Selections on the studio "Recreator."
- 12.55 p.m.—"Mercury" news service.  
Produce sales held at Railway.
- 1.10 p.m.—Selections on the studio "Recreator."
- 1.30 p.m.—Transmission from the Imperial Hotel, Hobart, Rotary Club Luncheon, Speeches.
- 2 p.m.—Close down.

## AFTERNOON SESSION.

- 2.15 p.m.—Running description of Trial Hurdle Race—2 miles, Geelong Races, Victoria.
- 2.20 p.m.—Close down.
- 2.45 p.m.—Maiden Plate, 5 furlongs, Geelong, Victoria.
- 2.50 p.m.—Close down.
- 3 p.m.—Weather information.
- 3.1 p.m.—Selections on the Studio "Recreator."
- 3.15 p.m.—Running description of Grovedale Handicap,  $1\frac{1}{4}$  miles 19 yards, Geelong, Victoria.
- 3.20 p.m.—Selections on the studio "Recreator"
- 3.45 p.m.—Running description of Trial Jumpers Handicap,  $1\frac{1}{2}$  miles, Geelong, Victoria.

- 3.50 p.m.—Selections on the studio "Recreator."
- 4.15 p.m.—Running description of Trial Handicap, 6 furlongs, Geelong, Victoria.
- 4.20 p.m.—Selections on the studio "Recreator."
- 4.30 p.m.—Readings from Illustrated mail.
- 4.45 p.m.—Running description of Welter Handicap, 7 furlongs, Geelong, Victoria.
- 4.50 p.m.—Close down.

## EARLY EVENING SESSION.

- 6.30 p.m.—Selections on the studio "Recreator."
- 6.15 p.m.—Mr. Read of the Beaumaris Zoo will give a chat about:  
"The Tasmanian Devil."
- 6.25 p.m.—The Tasmanian Devil talks to the Children.
- 6.55 p.m.—Little Teddy Richard (Uncle David's Nephew):  
"Cock a Doodle I'm off my Noodle."  
"Is she my girl Friend."
- 7 p.m.—Answers to Letters and Birthday Greetings.
- 7.5 p.m.—Selections on the Studio "Recreator."

## NEWS SESSION.

- 7.15 p.m.—"Mercury" special Tasmanian news service.  
Launceston Show news.  
Railway Auction produce sales.  
Weather information.  
Hobart Stock Exchange Quotations.  
Golf Results.  
Results of Geelong Races.

## EVENING SESSION.

- 7.30 p.m.—George Nation will speak on:  
"Gardening."
- 7.45 p.m.—W. Tickle Whyte, Australian Olympic Representative—Article on:  
"Sprint Running."
- 8 p.m.—G.P.O. Clock chimes the hour.  
Fifty Years Ago To-day.
- 8.6 p.m.—The Hon. John Cameron McPhee, Premier of Tasmania will speak under the auspices of the 7ZL and "Mercury" Appeal for Wireless Equipment for the Hobart General Hospital on:  
"Bring the World to the Bedside."
- 8.21 p.m.—Transmission from Finlay's Music House, Elizabeth Street, Recital of Instrumental and vocal items by the Leading International Artists.  
From The Studio.

## NEWS SESSION.

- 9.45 p.m.—Interesting extracts from the Weekly Courier.  
British Official Wireless news.  
"Mercury" news service.  
Weather forecast.  
Launceston Show Notes.  
Ships within wireless range.  
Tasmanian District Weather reports.
- 10 p.m.—G.P.O. Clock chimes the hour.  
God Save the King.

**Thursday, October 11**  
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 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.

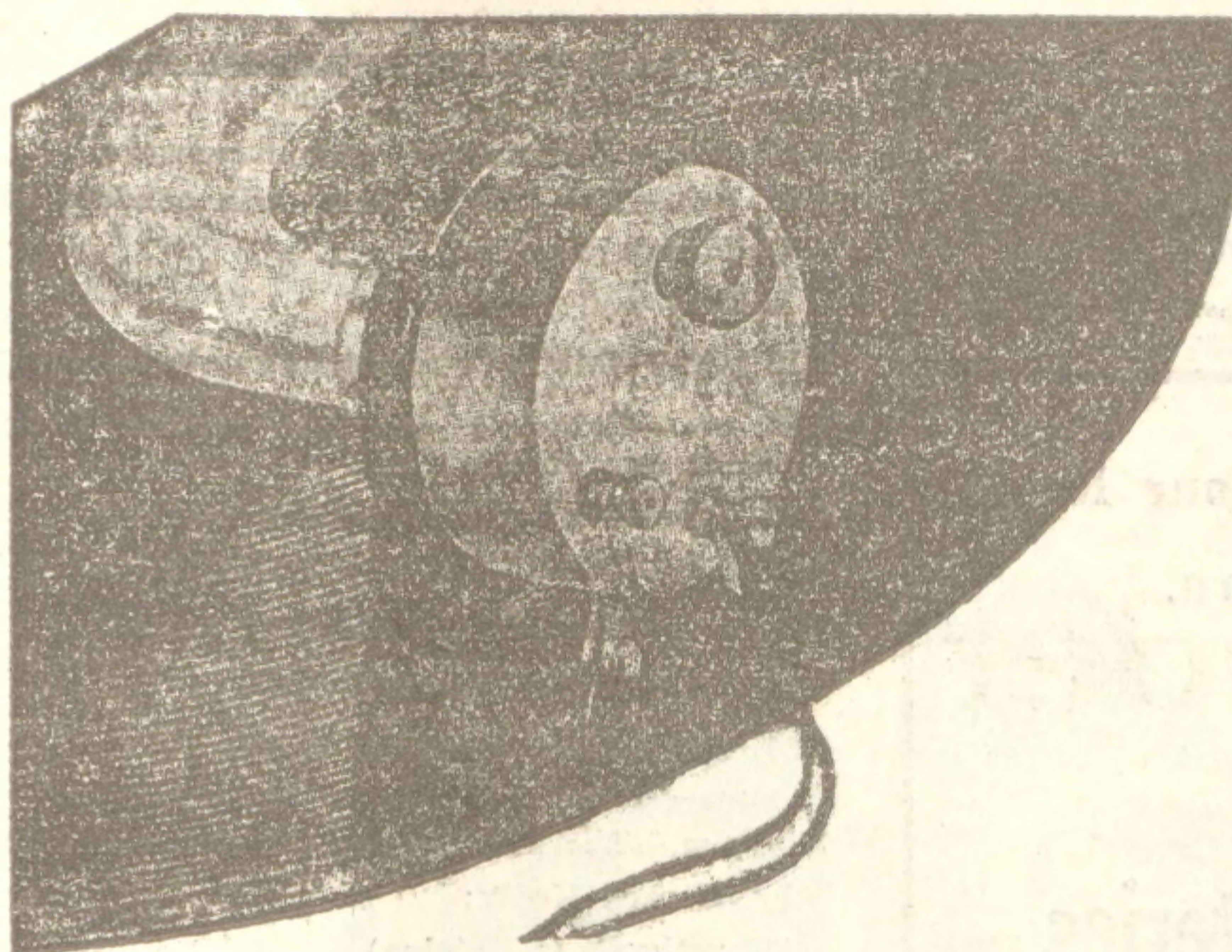
## MIDDAY SESSION.

- 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 by A. S. Cochrane: "Dickens."  
 12.30 p.m.—Studio music.  
 1 p.m.—"Big Ben." Weather intelligence.  
 1.3 p.m.—"Evening News" midday news service.  
 Producers' Distributing Society's Report.  
 1.20 p.m.—Studio music.  
 1.28 p.m.—Stock Exchange, second call.  
 1.30 p.m.—Studio music.  
 1.50 p.m.—Last minute sporting information by the 2FC Racing Commissioner.  
 2 p.m.—"Big Ben." Close down.

## AFTERNOON SESSION.

Note: During the afternoon, progress results of the National Rifle Association Meeting at Liverpool, will be transmitted as received.

- 2.30 p.m.—Programme announcements.  
 2.32 p.m.—Educational Session for the Schools: Talk, "Animals," interspersed with suitable music.  
 3 p.m.—"Big Ben." Pianoforte selection.  
 3.20 p.m.—Studio music.  
 3.45 p.m.—"Teacups Chatter," by "Pandora."  
 4 p.m.—"Big Ben."  
 Ruby Leslie, soprano.  
 4.7 p.m.—John Mitchell, tenor:  
 (a) "Parted" (Tosti).  
 (b) "Mother o' Mine" (Tours).  
 4.14 p.m.—The Ambassadors' Dance Orchestra, conducted by Manuel Hyman.  
 4.25 p.m.—From the Studio:  
 Dorothy Toppin, soprano:  
 (a) "April Morn" (Batten).  
 (b) "The Valley of Laughter" (Sandersen).  
 4.32 p.m.—The Ambassadors' Dance Orchestra.  
 4.40 p.m.—From the Studio:  
 Ruby Leslie, soprano.  
 4.45 p.m.—Stock Exchange, third call.  
 4.47 p.m.—John Mitchell, tenor:  
 (a) "A Vucchella" (Tosti).  
 (b) "Columbine Garden" (Maurice Besley).  
 4.53 p.m.—The Ambassadors' Dance Orchestra.  
 5 p.m.—"Big Ben." Close down.



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**SYDNEY.**

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### EARLY EVENING SESSION.

- 5.40 p.m.—Programme announcements.  
5.45 p.m.—The "Hello Man" will conduct the  
Children's Session:  
Letters and Stories.  
6.15 p.m.—Children's 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:  
"Together" (F. Sylva).  
"Serenade" (Toselli).  
Ballet Site, "The Shoe" (Ansell).  
"Tesoro Mio" (Becucci).  
"Still as the Night" (Carl Bohm).  
"The Man I Love" (Gershwin).

### NIGHT SESSION.

- 7.40 p.m.—Programme announcements.  
7.43 p.m.—From Anzac Range, Liverpool, on  
the occasion of the National Rifle Associa-  
tion Meeting. Items from the concert  
arranged by N.S.W. Broadcasting Company,  
Limited. The artists will include:  
Charles Lawrence, entertainer.  
Wally Baynes, comedian.  
R. A. Bartleman, baritone.  
Gwladys Fimister, soprano.  
Carlton Fay, pianist.  
7.59 p.m.—From the Studio. Foreword to the  
next item.  
8 p.m.—"Big Ben." From the Capitol Theatre,  
Sydney. The Capitol Theatre Orchestra, con-  
ducted by Ted Henkel. Items on the Wur-  
litzer organ, played by Fred Scholl.  
8.20 p.m.—From Anzac Range, Liverpool.  
Further items from the concert by 2FC  
Artists.  
Charles Lawrence, entertainer.  
Wally Baynes, comedian.  
R. A. Bartleman, baritone.  
Gwladys Fimister, soprano.  
Carlton Fay, pianist.  
9.15 p.m.—From the Capitol Theatre, Sydney.  
Stage presentation.  
9.35 p.m.—From the Studio. Late weather  
forecast.  
A talk in connection with Health Week.  
9.45 p.m.—Ila Turnbull, soprano.  
9.52 p.m.—Details of the Radio Eisteddfod.  
9.55 p.m.—Crosby Browne:  
Clarinet solos.  
10.2 p.m.—Ila Turnbull, soprano.  
10.10 p.m.—Crosby Browne:  
Clarinet solos.  
10.17 p.m.—The Ambassadors' Dance Orchestra  
10.30 p.m.—Late weather forecast,  
Studio music.  
10.35 p.m.—The Ambassadors' Dance Orchestra  
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.  
Studio Accompanist, Ewart Chapple.  
Close down.

### 2BL, SERVICE.

THURSDAY, 11th 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.—Musical programme from the studio.  
8.15 a.m.—G.P.O. Clock and chimes.  
News from the "Daily Telegraph Pictorial."  
8.25 a.m.—Musical programme from the studio.  
8.30 a.m.—G.P.O. Clock and chimes.  
Musical programme from the studio.  
8.35 a.m.—Information, mails, shipping, ar-  
rivals, departures and sailings.  
8.38 a.m.—News from the "Daily Telegraph  
Pictorial."  
8.45 a.m.—G.P.O. Clock and chimes.  
Musical programme from the studio.  
9.30 a.m.—A reading.  
9.40 a.m.—Musical programme from the studio.  
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.  
11.50 a.m.—Studio Music.  
12 noon.—G.P.O. Clock and chimes.  
Special Ocean forecast and weather report.  
12.3 p.m.—Musical programme from the studio.  
12.30 p.m.—G.P.O. Clock and chimes.  
Shipping and mails.  
12.35 p.m.—Market reports.  
12.48 p.m.—"Sun" midday news service.  
1 p.m.—Musical programme from studio.  
1.30 p.m.—Talk to children and special enter-  
tainment for Children in Hospital.  
2 p.m.—G.P.O. Clock and chimes.

### AFTERNOON SESSION.

- 3.45 p.m.—G.P.O. Clock and chimes.  
Vocal and instrumental recital arranged by  
Mr. Hector O. Fleming, broadcast from  
Paling's Concert Hall.  
Songs, (a) "Yonder" (Olover).  
(b) "The Prophet" (Moss).  
Miss Anne Wilson, contralto.  
Songs, (a) "My Message" (D'Hardelot).  
(b) "Serenade" (Schubert).  
Miss Edna Samuels, soprano.  
Piano solo, "Le Papillon" (Lavallee).  
Miss Marj Means.  
Songs, (a) "Voi che sapete" (Mozart).  
(b) "The Answer" (Terry).  
Miss Gwen Foster, soprano.  
Songs, "There let me rest" (Greene).  
Miss Ada Quinn, contralto.  
Song, "The Lass with the delicate air"  
(Arne).  
Miss Clare Corbett, soprano.  
Piano solo, "Wedding Day" (Grieg).  
Miss Marj Means.  
Songs, (a) Welsh songs: "A Fairy Wood,"  
"The Sweet Shop" (Drummond).  
(b) "Ships of my dreams" (Stephenson).  
Miss Amy Firth.  
Songs, (a) "Robin Sing me a Song" (Spross).  
(b) "Moorish Maid" (Parker).  
Miss Ruby Stephen, soprano.  
Song, "Caro mio Ben" (Giordani).  
Miss Grace Hickson, soprano.  
4.45 p.m.—From the Studio: Talk in connec-  
tion with Health Week.  
4.55 p.m.—Miss Eleanor Stanton, contralto:  
(a) "Nobody Knows" (Negro Spiritual).  
(b) "Ride on King Jesus."  
5.2 p.m.—Miss Georgina M'Clean, violinist:  
(a) "Oriental" (Cui).  
(b) "Canzonetta" (D'Ambrosio).  
5.9 p.m.—Talk on Radio in the Home.  
5.19 p.m.—Miss Eleanor Stanton:  
(a) "Let all my life be music" (Spross).  
(b) "I love you truly" (Bond).



- 5.26 p.m.—Miss Georgina M'Clean:  
"Song of the Desert" (Walenn).  
5.31 p.m.—Miss Raie Alexander, soprano:  
(a) "By the Waters of Minnetonka" (Lieurance).  
(b) "Keep on Hoping" (Maxwell).  
5.38 p.m.—"Sun" news item.  
5.40 p.m.—Features of evening's programme.  
5.42 p.m.—Producers Distributing Society's Poultry Report.  
5.43 p.m.—Racing resume.

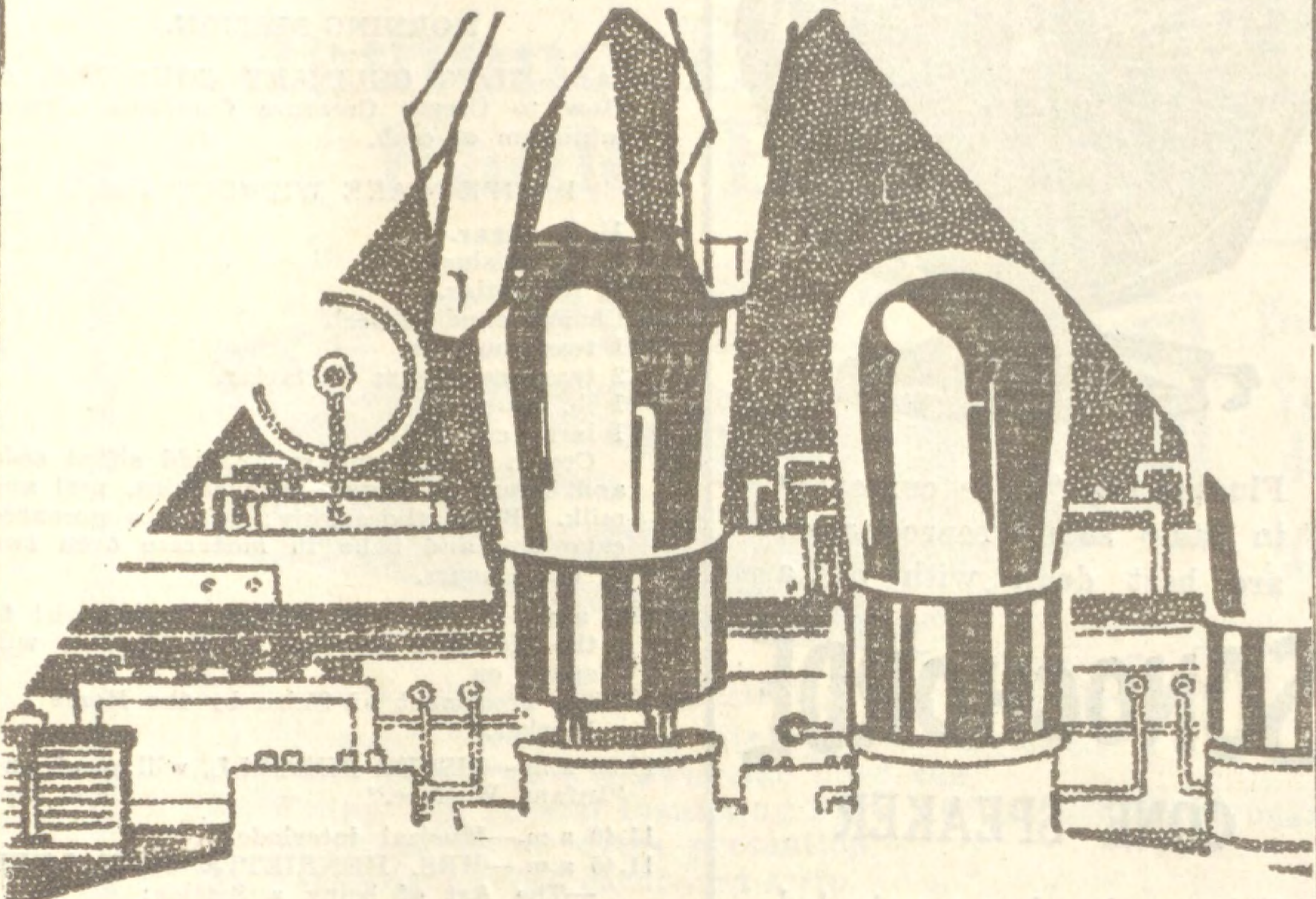
## EARLY EVENING SESSION.

- 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 Orchestra:  
(a) "Valse Espagnole" (Saenger).  
(b) "Two Light Syncopated Pieces" (Coates).  
(c) "The Spring Chicken" (Monckton).  
(d) "Adoree" (West).  
(e) "Sizilietta" (Von Blon).  
(f) "Valse des Alouettes" (Drigo).  
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.—Advertising Talks and studio items.  
7.57 p.m.—Programme and other announcements.

## EVENING SESSION.

- 8 p.m.—G.P.O. clock and chimes.  
The Leichhardt District Band (conductor, Mr. Lahey), broadcast from Orange Grove School:  
(a) March, "Ravenswood" (Rimmer).  
(b) Waltz, "Bal Masque" (Fletcher).  
(c) Overture, "Bohemian Girl" (Balfe).  
8.20 p.m.—Mr. Robert Gilbert, baritone:  
(a) "Prince Ivan's Song" (Allitsen).  
(b) "Wait" (D'Hardelot).  
8.27 p.m.—Sketch by Mr Robert Turner and Miss Tot Loudon, entitled, "Just Like a Woman" (Collins).  
8.37 p.m.—The Leichhardt District Band:  
(a) "Gavotte, 'La Comtesse'" (Dodwell).  
(b) Selection, "Puritani" (Bellini).  
8.57 p.m.—Miss Jeannie Byndon, contralto:  
(a) "Speak, Earth, Speak" (Travers).  
9.4 p.m.—Weather report and forecast by courtesy of Government Meteorologist.  
9.8 p.m.—The New South Wales Broadcasting Company's Orchestra, conducted by Mr. Willie Redstone.  
9.20 p.m.—Mr. Ellis Price, entertainer:  
"The Cautious Curate" (Western).  
9.26 p.m.—Miss Jeanne Byndon:  
(a) "The Curtain Falls" (D'Hardelot).  
(b) "The Sea Garden" (O'Connor).  
9.33 p.m.—The New South Wales Broadcasting Company's Orchestra.  
9.48 p.m.—Sketch by Mr. Robert Turner and Miss Tot Loudon, entitled, "Love in a Railway Train" (Taylor).  
9.53 p.m.—Mr. Robert Gilbert:  
(a) "To the Forest" (Tchaikowsky).  
(b) "For You" (Montague).  
10.5 p.m.—Mr. Ellis Price:  
"A Clean Sweep" (Cecil).  
10.12 p.m.—Resume of following day's programme.  
10.15 p.m.—The New South Wales Broadcasting Company's Orchestra.  
10.30 p.m.—National Anthem.

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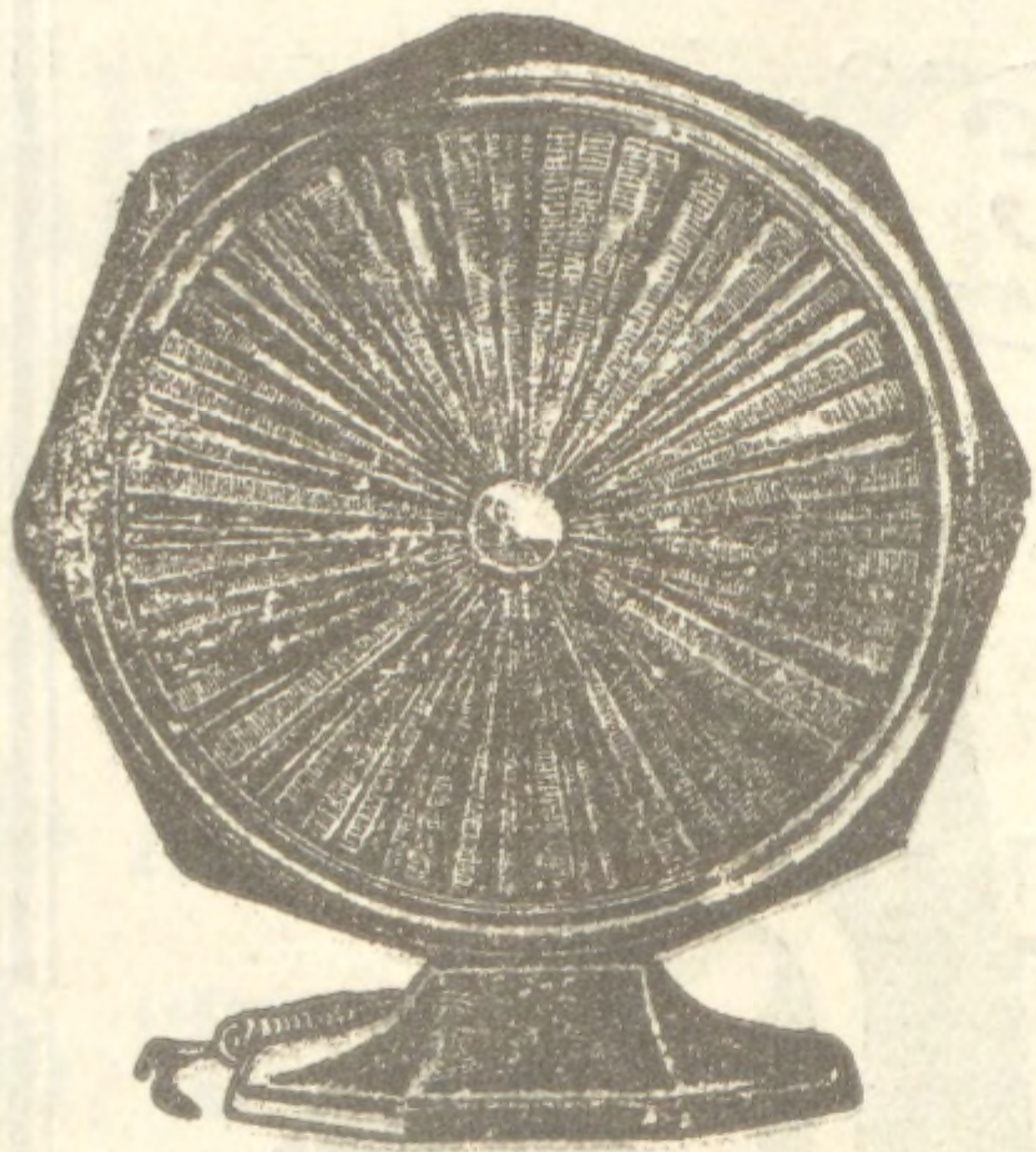
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## 3LO, MELBOURNE

THURSDAY, 11th OCTOBER, 1928.

### EARLY MORNING SESSION.

#### "HERALD" BREAKFAST HOUR.

7.15 a.m. to 8.15 a.m.

### MORNING SESSION.

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

#### RECIPE—CAKE WITHOUT EGGS.

$\frac{1}{2}$  lb. sugar.  
 $\frac{1}{2}$  lb. raisins.  
 $\frac{1}{2}$  lb. butter.  
Choppe candied peel.  
1 teaspoon soda.  
2 teaspoons cream of tartar.  
1 lb. flour.  
1 large cup milk.  
Cream butter and sugar, add sifted soda and cream of tartar, then raisins, peel and milk. Blend thoroughly; put into prepared cake tin, and bake in moderate oven two or three hours.

11.5 a.m.—C. W. BRAZENOR, Taxidermist to the National Museum of Melbourne, will speak on "The Treatment of Skins by the Home Worker."

11.20 a.m.—SISTER PURCELL, will speak on: "Infant Welfare."

11.40 a.m.—Musical interlude.

11.45 a.m.—MRS. HENRIETTA C. WALKER—The Art of being a Settler: "Spring Cleaning—Surplus Furniture."

### MID-DAY 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. 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.—Under the Auspices of the COMMUNITY SINGERS' AND CONCERT GOERS' ASSOCIATION—"Community Singing."

### FROM THE STUDIO.

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

### AFTERNOON SESSION.

2.15 p.m.—THE STRAD TRIO (Cecil Parkes, violin; May Broderick, piano; and Frank Johnstone, cello): "Trio Op. 49, D Minor" (Mendelssohn). Molto Allegro ed agitato. Andante. Finale.

2.39 p.m.—JESSIE SHMITH, Contralto: "When You are Old" (Sanderson). "Sleep, Baby Coon" (Brandon).

2.46 p.m.—CECIL PARKES, violin: "Caprice Viennois" (Kreisler). "Schon Rosmarin" (Kreisler). "Tambourin Chinois" (Kreisler).

2.56 p.m.—THE STRAD TRIO: "Serenade" (Widor). "Gavotte" (Martini-Parkes). "Scherzo" (Reissiger).

### EDUCATION HOUR.

2.4 p.m.—DR. LOFTUS HILLS:

"Topics of the Week."

2.19 p.m.—THE STATION QUARTETTE: "Quartette" (Haydn).

3.34 p.m.—REV. WILLIAM BOTTOMLEY, will speak on: "The Scarlet Letter" (Nathaniel Hawthorne).

2.49 p.m.—THE STATION ORCHESTRA: "Eugene Onegán" (Tchaikowsky).

3.56 p.m.—ALTHOUSE AND McCALLUM, Soprano and Pianist, Baritone and Flautist: Selected.

4.6 p.m.—THE STATION ORCHESTRA: "Spinning Song" (Mendelssohn). "Serenade" (Rubinstein).

4.13 p.m.—MARCELLE BERARDI, Soprano: "Mimi's Song"—La Bohème (Puccini). "When Chloris Sleeps" (Homers).

4.20 p.m.—THE STATION ORCHESTRA: "Intermezzo Pittoresque" (Rocian). "Libestraume" (Liszt).

4.2 p.m.—HUXHAM'S SERENADERS: Renn Millar: "Mountains of Morne." The Quartette: Humorous item: "Flappers."

### NEWS SESSION.

4.34 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 and Barrier positions for the first day of the V.A.T.C. Caulfield Cup Meeting.

5.35 p.m.—Close down.

### EVENING SESSION.

### CHILDREN'S HOUR.

6 p.m.—Answers to Letters and Birthday Greetings by "BOBBY BLUEGUM."

6.25 p.m.—Musical interlude.

6.30 p.m.—"BOBBY BLUEGUM" and His Tiny Tourists and all ready to set off on their Travels.

6.45 p.m.—"BOBBY BLUEGUM": "Simple Strains for Small Singers."

### NIGHT SESSION.

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 & Co. Official report of the Newmarket Stock sales by 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.

7.43 p.m.—BIRTHDAY GREETINGS.

### OUT OF THE PAST.

7.45 p.m.—On October 11th, 1852, Sydney University was opened, and October 11th, 1915, marked the Fall of Belgrade.

7.46 p.m.—MAUDE ZIMBLA, now appearing in the "Desert Song," will speak from her dressing-room, at His Majesty's Theatre (by permission J. C. Williamson, Ltd.).

8 p.m.—Programme announcements.

8.1 p.m.—ROD MCGREGOR will speak on "Cricket."



## DANCE PROGRAMME.

- 8.15 p.m.—THE RADI-O-ACES.  
 8.24 p.m.—ELSY TREWEEK, Soprano:  
 "Aubae" (Lalo).  
 8.27 p.m.—THE RADI-O-ACES.  
 8.36 p.m.—LESLIE McCALLUM, Flautist:  
 Selected.  
 8.39 p.m.—THE RADI-O-ACES.  
 8.48 p.m.—ELSY TREWEEK, Soprano:  
 "Air from Herodiade—Il est doux"  
 (Massenet).  
 8.51 p.m.—THE RADI-O-ACES.  
 9 p.m.—ALTHOUSE AND McCALLUM,  
 Soprano and Pianist, Baritone and Flautist.  
 Selected.  
 9.3 p.m.—THE RADI-O-ACES.  
 9.12 p.m.—MYRTLE WALSGOTT, Contralto:  
 "Rendezvous" (Aletier).  
 9.15 p.m.—THE RADI-O-ACES.  
 9.24 p.m.—ELSY TREWEEK, Soprano:  
 "J'ai Pleure en Reve" (Hue).  
 9.27 p.m.—THE RADI-O-ACES.  
 9.36 p.m.—FRED BLUETT, Comedian (by per-  
 mission J. C. Williamson, Ltd.):  
 "Heatie Hotch Potch."  
 9.39 p.m.—THE RADI-O-ACES.  
 9.48 p.m.—MYRTLE WALSGOTT, Contralto:  
 "Charming Chloe."  
 9.51 p.m.—THE RADI-O-ACES.  
 10 p.m.—FRED BLUETT, Comedian (by per-  
 mission J. C. Williamson, Ltd.):  
 "Pithy Patches."  
 10.3 p.m.—THE RADI-O-ACES.  
 NEWS SESSION.  
 10.12 p.m.—"Argus" news service. British  
 Official Wireless news from Rugby. Meteorolo-  
 gical information. Sporting notes by  
 "Olympus."  
 10.23 p.m.—THE RADI-O-ACES.  
 10.2 p.m.—MYRTLE WALSGOTT, Contralto.  
 "The Serenade" (Brahms).  
 10.35 p.m.—THE RADI-O-ACES.  
 10.44 p.m.—FRED BLUETT, Comedian (by  
 permission J. C. Williamson, Ltd.):  
 "Humorosities."  
 10.47 p.m.—THE RADI-O-ACES.  
 10.58 p.m.—THE RADI-O-ACES.  
 11.40 p.m.—GOD SAVE THE KING.

## 3AR, MELBOURNE.

THURSDAY, 11th OCTOBER, 1928.

## MORNING NEWS SESSION.

10.0 a.m. to 10.59 a.m.

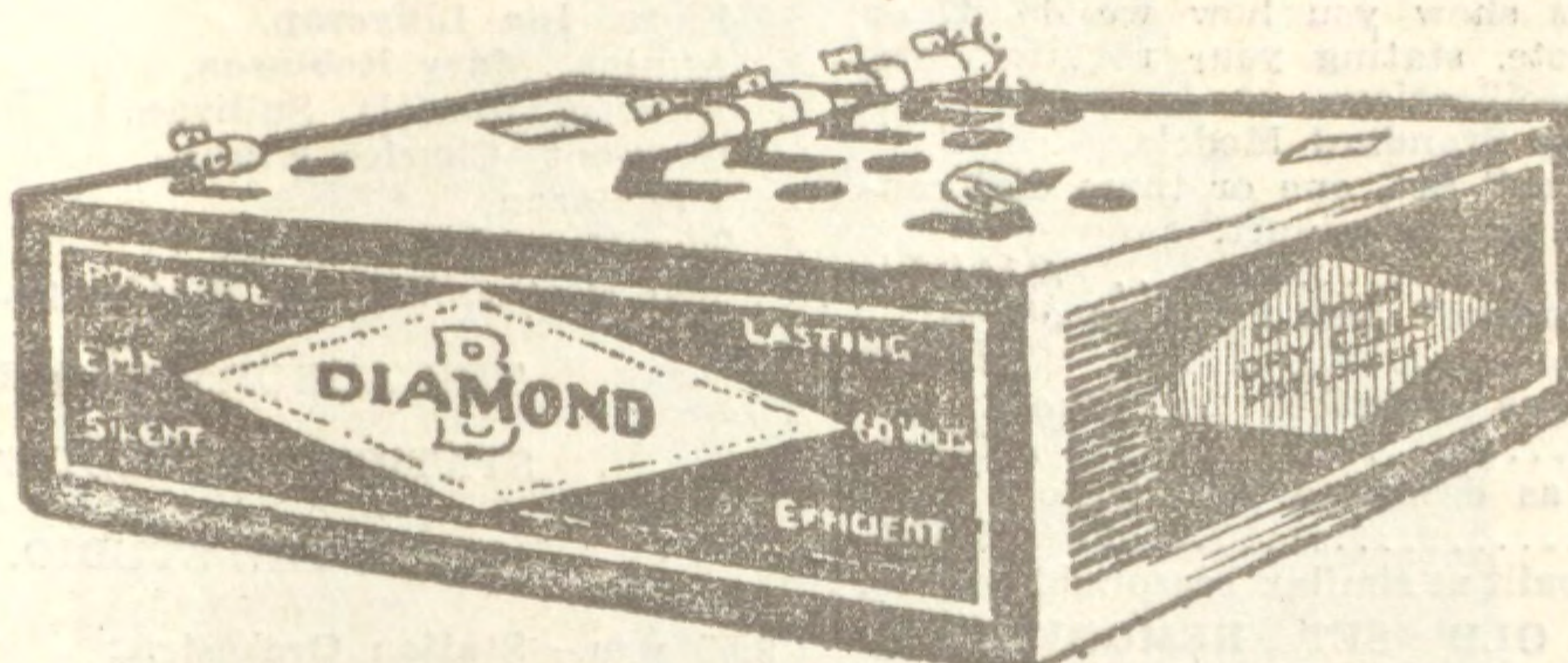
## MORNING MUSICAL SESSION.

- 11.0 a.m.—Radi-o-Aces.  
 11.20 a.m.—Fred Bluett, Comedian (permis-  
 sion of J. C. Williamson, Ltd.).  
 A glance at the store of surprises of our  
 humorist.  
 11.27 a.m.—Radi-o-Aces.  
 11.47 a.m.—Half an Hour of Records.  
 12.17 p.m.—Radi-o-Aces.  
 12.37 p.m.—Fred Bluett, Comedian.  
 Will tell you where the flies go.  
 12.44 p.m.—Radi-o-Aces.  
 1.0 p.m.—Robert Allen, Alto:  
 "The Rosary" (Robt. Con. Clarke).  
 "Ma Little Banjo" (Dichmont).  
 1.7 p.m.—Radi-o-Aces.  
 1.12 p.m.—Robert Allen, Alto:  
 "The Rose of Tralee" (Glover).  
 "Friend o' Mine" (Wilfred Sanderson).  
 1.19 p.m.—Radi-o-Aces.  
 1.30 p.m.—Close Down.

## EVENING SESSION.

- 5 p.m.—A recital of the best and latest  
 records.

## The Seamless Cell

Diamond Dry Cells and  
Radio Batteries

Price:

Volt  
45

20/-

Six reasons why Diamond Batteries are superior:—

- (1) Diamond Batteries are Eight Weeks Fresher.
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- (5) Insulating partitions of super refined pitch.
- (6) All danger of leakage eliminated—longer battery service guaranteed, with the new improved Diamond Battery.

## Prices of Diamond Batteries

## "A" Batteries.

No.	Type.	Size.	Volts.	Price.
1.	Coil	2½ diam. x 6½ high	1.5	2/6
2.	Buzzer	2½ diam. x 6½ high	1.5	2/9
3.	Windsor	2½ diam. x 7 high	1.5	5/-
4.	Commonwealth Post Office	2½ square x 7 high	1.5	5/6

## "B" Batteries.

No.	Type.	Size.	Volts.	Price.
1.	Super Capacity	10½ x 6½ x 3	60	25/-
2.	Super Capacity, Flat	8 x 6½ x 3	45	20/-
3.	Super Capacity, Upright	10½ x 6½ x 3	45	20/-
	Standard Capacity	5½ x 1½ x 3	60	18/6
4.	Single Capacity	3½ x 3½ x 3	22½	8/6
5.	Double Capacity	4 x 6½ x 3	22½	10/-

## "C" Batteries.

No.	Type.	Size.	Volts.	Price.
1.	Super Capacity	3½ x 1½ x 3	4½	2/9

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BLOCH &amp; GERBER LTD.

With which is Associated Weldon Electric Supply Co. Ltd.

BRITISH GENERAL ELECTRIC CO. LTD.

FOX &amp; MCGILLYCUDDY LTD.

GRIMLEY LTD.

STROMBERG, CARLSON (A'SIA) LTD.

STEWART &amp; CO., T. F., Kent Street

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### Some Standard Models.

**5-Valve "Solodyne" Set**, one or three dial control, in polished maple cabinet.

Price ..... £14/15/-

**5-Valve "Neutrodyne" Set**, fitted as above.

Price ..... £10/12/6

**1928 Solodyne**, as described in "Radio."

Chassis only ..... £17/-/-

**"All Empire"**, as described in "Radio."

Chassis only ..... £18/10/-

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T.A.B. 1½ Volt A. Cells .. 1/9

Compact Condensers .... 5/11

P6113 Condensers ..... 5/6

P7113 Condensers ..... 5/6

P9117 Condensers ..... 6/-

Midget Transformers, 5-1, 10/6

Midget Transformers, 3½-1, 10/6

Muter Transformers, 5-1 .. 8/6

Muter Transformers, 3½-1 .. 8/6

Philips C509 Valves ..... 3/11

**All Other Prices Cut  
in Two.**

### NIGHT SESSION.

8 p.m.—H. A. Brown, talk on "Gardening."  
8.15 p.m.—Under the auspices of the Royal Life-Saving Society.  
R. C. Larrett, "The First Step to Swimming."

8.30 p.m.—Station Orchestra.  
Selection, "La Tosca" (Puccini).

8.45 p.m.—Presentation of "La Traviata," 2nd Act (Verdi). Produced by Mr. J. Sutton Crow and transmitted from the Auburn Hall.

### Characters:

Violette, Mms. Elsie Davies.  
Flora, Ina Lillycrap.  
Annina, Mary Robinson.  
Alfredo, John D. Sullivan.  
Germont, Charles Evans.  
The Baron.  
The Marquiss.  
The Doctor, Thomas B. George.

### THE AUBURN CHOIR.

### STATION ORCHESTRA.

### FROM THE STUDIO.

9.55 p.m.—Station Orchestra:  
"Moszkowskiana" (Moszkowski).  
10.5 p.m.—Huxhams' Serenaders:  
Quartette, "Under the Moon."  
Hu Huxham, song, "Babe of Mine."  
Orchestra, selection.  
Quartette, humorous, "Our Parochial Gathering."  
Dolly Burdett, song, "The Hindoo Song."  
Orchestra, selection.  
Quartette, "Starlight and Lovelight."  
10.34 p.m.—Station Orchestra:  
"On Jhelum River" (Woodforde-Finden).  
10.50 p.m.—"Age" news service, exclusive to 3AR.  
10.55 p.m.—Acceptances for Saturday's races.  
10.58 p.m.—Weather forecast.  
11 p.m.—God Save the King.

## 4QG, BRISBANE.

THURSDAY, 11th OCTOBER, 1928.

### EARLY MORNING SESSION.

8 a.m. to 8.30 a.m.

### MORNING SESSION.

11 a.m. to 12 noon.

### MIDDAY SESSION.

1 p.m.—Market reports and weather information.  
1.15 p.m.—From the Constitutional Club:  
A lunch hour address.  
1.58 p.m.—From the Brisbane Observatory:  
Time signals.  
2 p.m.—Close down.

### AFTERNOON SESSION.

3 p.m.—From the studio:  
A programme of electrically-reproduced records.  
3.30 p.m.—Mail train running times.  
4.15 p.m.—This afternoon's news.  
4.30 p.m.—Close down.

### EARLY EVENING SESSION.

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

### THE CHILDREN'S HOUR.

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

### LATE COMMERCIAL NEWS.

7 p.m.—News in brief.  
7.5 p.m.—Stock Exchange news.  
7.6 p.m.—Metal quotations.  
7.7 p.m.—Market reports.  
7.25 p.m.—Fenwick's Stock report.  
7.30 p.m.—Weather information.  
7.40 p.m.—Announcements.  
7.45 p.m.—Lecturette: "A Talk on Books," by  
7.45 p.m.—Lecturette: "A talk on Books" by  
Mr. J. Doyle (McLeod's).

### NIGHT SESSION.

A full programme by the Brisbane Municipal Concert Band.

8 p.m.—Brisbane Municipal Concert Band (conductor, E. Jackson):  
March, "Veribus Unitis" (Bach).  
Overture, "Pique Dame" (Suppe).  
Ethel Willmer, contralto:  
"My Ships" (Barrett).  
Brisbane Municipal Concert Band:  
Popular numbers.  
W. Dougherty, cornetist:  
"Reve d'Amour."  
Brisbane Municipal Concert Band:  
Waltz, "The Skaters" (Waldtenfel).  
Maurice Goldhill, baritone:  
"Memory Lane."  
Brisbane Municipal Concert Band:  
Serenade, "La Paloma" (Yradier).  
H. Callaghan, xylophonist:  
"Constellation."  
Brisbane Municipal Concert Band:  
Selection from "Faust" (Gounod).  
Jean Naylor, contralto:  
"Heart's Awakening" (Ketelby).  
Brisbane Municipal Concert Band:  
Hymn, "Rest for the Weary."  
Len Cunstance, oboe soloist:  
"Spring's Awakening" (Bach).  
A. Richmond, cornetist:  
"The Better Land."  
Ethel Willmer, contralto:  
"Press" (Hafbach).  
Brisbane Municipal Concert Band:  
"Love's Dreamland" (Pseder).  
H. Doyle, clarinet:  
Selected.  
Brisbane Municipal Concert Band:  
Suite, "Dance Orientale."  
"Cortege du Sardar."  
Maurice Goldhill, baritone:  
"I'll See You in My Dreams."  
Brisbane Municipal Concert Band:  
Popular numbers.  
Jean Naylor, contralto:  
"Robin Adair."  
Brisbane Municipal Concert Band:  
Finale from "The Belle of New York" (Kerker).  
10 p.m.—Late news; weather news.  
Close down.

## 7ZL, HOBART

THURSDAY, 11th OCTOBER, 1928.

### MIDDAY SESSION.

11.30 a.m.—Special Midlands Weather forecast.  
11.31 a.m.—Selections on the Studio "Recreator."  
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.—Selections on the Studio "Recreator."  
 12.11 p.m.—British Official Wireless news.  
 12.20 p.m.—Selections on the Studio "Recreator."  
 12.29 p.m.—Announcements.  
 12.33 p.m.—Selections on the studio "Recreator."  
 12.55 p.m.—"Mercury" news service.  
 Produce Auction Sales held at Railway.  
 1.10 p.m.—Selections on the studio "Recreator."  
 1.30 p.m.—Close down.

## AFTERNOON SESSION.

3 p.m.—G.P.O. Clock chimes the hour.  
 3.1 p.m.—Selection on the Studio "Recreator."  
 3.5 p.m.—Weather information.  
 3.10 p.m.—Selections on the studio "Recreator."  
 4.15 p.m.—Child Welfare.  
 A talk by a Representative of the Child Welfare Association.  
 "Nerves and the baby."  
 4.30 p.m.—Close down.

## EARLY EVENING SESSION.

6.15 p.m.—Musical Selections on the Studio "Recreator."  
 6.45 p.m.—A story told by the "Storey Lady." "Napoleon."  
 7 p.m.—Answers to Letters and Birthday Greetings by "Uncle David."  
 7.5 p.m.—Selections on the Studio "Recreator."  
 7.15 p.m.—"Mercury" special Tasmanian news service.  
 Launceston Show News.  
 Railway Auction produce sales.  
 Weather information.  
 Hobart Stock Exchange Quotations.

## EVENING SESSION.

7.30 p.m.—Come To Tasmania:  
 Under the Auspices of the "Come to Tasmania" Association L. Norman will speak on: "Summer Sport."  
 7.45 p.m.—A talk will be given on:  
 Lt. Governor Latrobe who arrived in Hobart on this day in 1846 (eighty two years ago).  
 8 p.m.—G.P.O. Clock chimes the hour.  
 8.1 p.m.—Musical Selections on the studio "Recreator."  
 8.15 p.m.—72L Old Time Community Singing.  
 All: "Barcelona."  
 Marguerite Morrisby, pianist:  
 "Polichinelle."  
 All: "My Old Kentucky Home."  
 Ena Twibell, violinist:  
 "Sprig of Boronia."  
 All, "Comin' Thro' the Rye."  
 Animato Trio: Selected.  
 All, "Mother Machree."  
 —Issell, cello:  
 Selected.  
 All: "All thro' the Night."  
 Marguerite Morrisby:  
 "Love Song."  
 All: "Lead Kindly Light."  
 Animato Trio: Selected.  
 All: "Auld Lang Syne."  
 From the studio.

## NEWS SESSION.

9.50 p.m.—British Official Wireless news.  
 "Mercury" special Tasmanian News service.  
 Tasmanian District weather reports.  
 Weather information.  
 Launceston Show Notes.  
 10 p.m.—G.P.O. Clock chimes the hour.  
 God Save the King.  
 Close down.

*Six-Sixty "every time!"  
 Says the Constructor*



"I want only the best results," says the Constructor, "and I know that with six-sixty I shall get them. Firstly, it is a well-known fact that each Six-Sixty Valve is tested under actual broadcasting conditions before being passed on to the public. This is the most exacting test any valve can undergo. Then again, what further proof of the excellence of Six-Sixty Valves do I need, when I know that most of the leading Set manufacturers throughout Great Britain standardise Six-Sixty in their receivers? Manufacturers know the best valve, and their choice is mine. They are the experts and what they select is bound to be the best, so I say Six-Sixty every time."

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Messrs. J. N. TAYLOR AND CO., LTD., 121 Grenfell St., ADELAIDE.

Sole Distributor for Western Australia:

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





## Radio Tube Checker

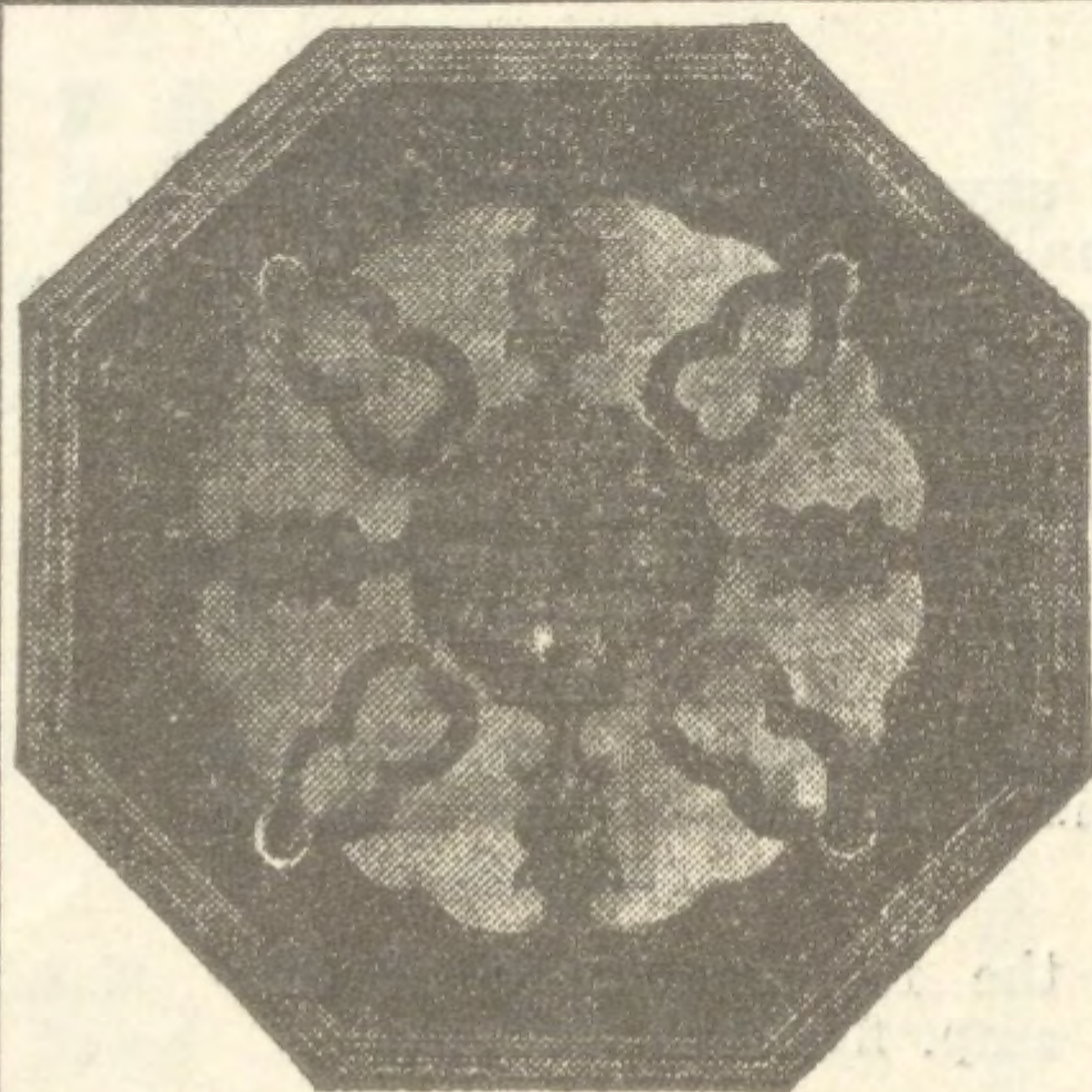
Pattern 107: Junior Tube Checker for testing tubes at home. Equipped with plug and cord so that necessary voltages may be taken direct from any radio set. Adapters supplied so checker may be used with any set equipped with standard sockets.

Button furnished to charge grid bias on tube, thus giving definite measure of value of tube.

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## Senator Marconi Astonished at rapid Progress of Radio.

**F**IVE years had elapsed since Senator Guglielmo Marconi faced a microphone. This long period was recently broken when he gave a brief message through WRC at Washington during his hurried visit to the United States to address the International Radio Conference.

Marconi had no time to visit the station, so wires were strung through his hotel corridors and a microphone installed in his room. He spoke, in shirt sleeves, neck-tie in hand, whilst dressing to attend a farewell dinner in his honor at the Italian Embassy, after which he was to catch a midnight train to New York to catch his boat which sailed on the following morning.

The amazement of the world, twenty years ago, at the invention of the young Italian genius, seemingly was equalled by Marconi's amazement at the extent to which radio has developed.

"Broadcasting," he said, "has gone far beyond all early expectations. Its pre-eminence to-day is due in large part to intelligent public interest and the appreciation of radio possibilities by technical and merchandising organisations and the support they have given to its development. I am told that a series of programmes is soon to be put on over a chain of no less than 28 stations by General Motors in America. Hardly a greater proof of the dependability and value of radio broadcasting could be given than the decision to utilise so extensive a network in the development of radio programmes. The adoption of radio broadcasting by an industrial organisation of the magnitude of General Motors is ample proof that radio is definitely accepted as an efficient and powerful method of maintaining contact with the public."

**THE APPLE** Competition, conducted by 3AR in conjunction with the Railway Department, is creating a great deal of interest, and hundreds of Limericks continue to arrive at the office. The Competition, which is meeting with great success, was originally commenced with the idea of disposing of the surplus apples, and helping the "man on the land," and competitors are asked to send in a verse of four lines setting forth the value of the apple, as a health giving article of diet. A prize of Two Guineas is offered for the best Limerick, and intending Competitors should lose no time, but get to work with paper and pencil without delay.

**MR. HORACE J. BOOK**, the original "Billy Bunny," of the Australian Radio World, and who was one of the first to speak to the young people over the air, still maintains his popularity, and thousands of kiddies tune in to 3AR every Sunday night to hear their favourite "Brer Rabbit"—as he is now called—who with well chosen and interesting stories, does much to aid the moral uplift of the young folks. During the three years he has been entertaining the children, he (with Mrs. Brer Rabbit) has accepted invitations to open dozens of Bazaars, and one garden party arranged by two little girls in their back garden, resulted in a haul of £12. Brer Rabbit is keenly interested in the youngsters, and nothing is too much trouble when their pleasure or welfare is in the balance.

**THERE IS A** great deal of money to be made from "whispering" these days—providing you are able to whisper the right thing in the right way. Len Maurice, who is broadcasting from 3AR, has made a great reputation in Sydney as a whispering baritone, and records exclusively for the Columbia Gramophone Company, where his royalties from a popular record recently enabled him to christen his new Rolls Royce "My Blue Heaven." It is interesting to know that Mr. Maurice made the first record ever "cast" in Australia; this was "After the Dawn," when both the singer and the composer, Mr. Jack O'Hagan—who is also a great favorite with listeners—reaped a splendid financial harvest.

**THE WELSH NATIONAL EISTEDDFOD** is held alternatively in North and South Wales, with an occasional visit to London or Liverpool. Being one of the world's most important musical gatherings, hundreds and thousands of Welshmen from abroad return, to be present at the national festival. Arrangements are now being made for the New South Wales State Championship, from which the winner will be chosen. He will, in addition to receiving a handsome money prize, have his expenses paid for the trip to Liverpool, in order that he may represent New South Wales at the Eisteddfod, and a free ticket will be issued (if desired), in order that the winner may stay an additional twelve months for studying purposes. The competition is open to all vocalists, male or female, who need not be of Welsh nationality. It is hoped that the winner of the championship of New South Wales will eventually broadcast.



## Readers' Queries

### Answered

R.K. (NEWCASTLE).—The circuit submitted is excellent, and will suit your requirements.

(2) To make your own R.F. choke for the Browning Drake, wind 80 turns of 40 gauge D.S.C. wire on a former 1 inch in diameter.

(3) You can make your own set of coils for the Browning Drake. Instructions have been given in these columns several times. The aerial coil consists of 50 turns of 20 D.S.C. wire on a 3-inch former, tapped at the centre for the aerial connection, and is used in conjunction with a .0005 variable condenser. The secondary of the regenerative transformer consists of 77 turns of 20 D.S.C. with the neutralising tap at the 14th turn, and is tuned with either a .00035 or .00025 variable condenser. The reaction coil is wound on a 2-inch former, and consists of 80 turns of 28 D.S.C. wire. This coil is suspended inside the secondary coil, at the 77th turn end, and must be capable of being rotated. Have a look through the queries columns for the last three weeks, when you will find a great deal of additional information on the winding of these coils.

R.E.C. (BEXLEY).—No, you did not pick up 2XAD on your crystal receiver. It was a relay—by 2FC. As the time mentioned by you synchronises with the actual time of the re-broadcast of WGY by 2FC, we are certain that this is the station you heard.

M.J. (GRANVILLE).—You do not tell us what is wrong with the receiver, so we cannot help you. The parts used are O.K. and the wiring as submitted is in order. As a guess, we might say the trouble is in the first stage, i.e., of the R.F. stage, and we suggest you pay attention to the arrangement of the coils, etc., here.

N.M.C. (SUMMER HILL).—It would not be advisable to carry out your plan of an A.B.C. Eliminator owing to A.C. hum, which would be very strong if both plates and filaments of the valves were to be supplied with current from rectified A.C. mains.

"MARCO" (EARLWOOD).—Try a fixed condenser of .001 mfd. across the primary of the first audio transformer. If the receiver does not oscillate then, try reversing the connections to the tickler coil in the detector stage.

W.J.L. (SOUTH COAST).—The fault was not that of 2BL. However, you have probably heard by now that the boxing transmissions from the Stadium have been resumed.

R.N. (ANNANDALE).—We recommend the Neutrodyne. All of the receivers mentioned by you are worth building.

F.O.G. (GEORGIA).—You have evidently earthed something that should NOT be earthed. This would occasion a short in a shielded receiver when the battery switch is off. You did not give us many details, so we hesitate to advise you further.

NO NAME (BRISBANE).—Your letter stopped dead at the words "if they will be—." What happened to the rest? (Re Marnikay and Reflex circuits.)

K.B. (IRVINE).—You will probably find there is some loose connection which is making and breaking the circuit. Test the leads to the loudspeaker, and the connections to the jack. Also have the valves tested in order to see if there is a loose element in one of them.

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# Readers' Queries Answered

H.R. (FORBES).—Yes, the receiver will function if the filament is not connected to earth. The radio-frequency currents are transferred from the aerial coil to the secondary by means of induction. The receiver is then said to be inductively coupled.

(2) Yes, the eliminator will be suitable for the Harkness Two.

(3) Place a 4 mfd. condenser tested to 500 volts in the earth lead from the eliminator.

W.E.W. (PEAKHURST).—Evidently you did not connect up the eliminator properly. You will probably find it better to connect the R.F. positive lead to the same tap that connects to the detector positive on the eliminator.

(2) Yes, a Clarostat may be used to adjust the voltage.

(3) Presume you refer to the C.A.V. not C.A.B. battery. The former may be charged with the trickle charger you have on hand, though, of course, it would take considerable time.

(4) The B. negative lead is sometimes connected to A negative, and sometimes to A positive. Both methods should be tried.

(5) The receiver is not neutralised.

"ANXIOUS" (ARNCLIFFE).—Build the "Metropolis Two."

(2) The .0005 variable condenser may be used in the abovementioned receiver.

(3) An eliminator would not be hard to build, but would require some patience if you decided to wind the transformer inductances yourself. It would be suitable for the Harkness Reflex.

(4) Try a Lion Micro fixed crystal detector.

"TULLIS" (MELBOURNE).—2FC's approximate wave length when transmitting on short wave is 28.5 metres. 2BL's approximate wave length on S.W. is 31.7 metres. However, the N.S.W. Broadcasting Co. advises us that these wave lengths vary.

A.S. (SUMMER HILL).—We always tell our readers of the actual performance under prevailing conditions. The receiver would operate better in January than in August owing to the proximity of summer during August.

(2) Yes the "Elstreeflex" would be better.

(3) The 3½-1 transformers may be used in place of the 5-1 and 3-1.

(4) UX199 valves will be quite suitable.

(5) The Carborundum Crystal may be mounted on the baseboard, if desired.

(6) Only one amperite should be used. The detector should be controlled by a rheostat. You are welcome to our advice.

"COILS" (QUEENSLAND).—Your queries are simple to answer. (No. 1) Messrs Fox and McGillicuddy, Daily Telegraph Buildings, King Street, Sydney.

(2) Yes. The above firm can supply.

(3) Yes, as above. We have asked this firm to write you, and you will probably hear from them shortly.

"RADIO DEALER" (NEWCASTLE).—The agents for the product you mention have gone out of business.

T.H. (SYDNEY).—Adding more turns to the primary will decrease selectivity but increase volume in most cases. The squeal is probably caused through radio frequency getting into the audio side. Place an R.F. choke in the tickler lead to the plate of the first transformer. You may use the condensers as mentioned, providing they have the correct capacity i.e., .0005, not .005, as mentioned by you.

W.B. (BRISBANE).—A three valve Reinartz receiver using an additional valve as an R.F. stage would be the "Marco Four." Suggest

you procure this circuit (which has been published several times), and add the stage of R.F., as mentioned in the article.

B.W. (ZETLAND).—It will be necessary for you to repeat your query, as we are unable to lay our hands on your previous communication.

M.E. (TEMORA).—You can use the condensers mentioned in your letter, but in all probability you will not be able to tune below 2BL.

(2) The secondary coil should consist of 60, and not 56 turns.

(3) The reaction coil is that containing 8 turns.

(4) This refers to the primary.

"JUST ANOTHER MUG" (PARKES).—I would advise you to use a simpler arrangement. The circuit you submit would be difficult to neutralise.

"FREITH" (ST. PETERS).—Any slight adjustment of the frame aerial on interstate stations will cause an alteration in tuning. For best results, your receiver will be on the point of oscillation, and, therefore, it is not to be wondered at that the receiver easily breaks into oscillation when tuned into interstate stations if the frame aerial is moved. The aerial coil of your receiver would be shorted out of circuit if you made the connections proposed, but as the R.F. oscillations are passed into the secondary by induction, this would still happen, though the waves would be passing to earth. The natural pick-up of your coils would also facilitate this.

F.R. (CROWS NEST).—Evidently the lead was not pure. Only pure lead must be used, and aluminium must also be well cleaned. Soak the elements in vinegar to remove grease.

W.B.A. (MITTAGONG).—The transformers will be quite O.K. Use the following Phillips 4 volt valves in this order:—A435, A435, A409, B409, B406.

P.C. (ARNCLIFFE).—The two ends of the potentiometer that connect to the resistance are connected to the positive and negative terminals of the "A" battery.

G.E.S. (GUGIONG).—Unless you alter your receiver entirely, it will not be possible to add another T.K.D. valve. The reason is that you already have a detector and one audio. If you add another T.K.D. valve, it means that you will have three stages of audio, and distortion will result. The receiver should be built so that you have an R.F. stage, detector, and two audios. Suggest the Marco Special, wherein our diagrams show how to use the T.K.D. valve in this receiver as a detector and R.F. stage. The other T.K.D. valve can be used as the two audio stages.

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G.L.H. (COOMA).—Use the following Phillips valves in the order given:—A435, grid bias nil; A435, G.B. nil; A415, G.B. 4.5; A415, G.B. 4.5; A415, G.B. 4.5.

R.R. (MUDGE).—Regret we have no copies left of the issue you require. The receiver your mention can be adapted to requirements by using, say, Phillips or Radiotron valves, and altering values of other components accordingly.

W.C. (MANLY).—Sorry we have not his address. See also reply to R.R., Mudgee.

E.E.G. (CONCORD WEST).—We are forwarding you a copy of "Radio" for February, which issue contains the circuit you require. You owe us a shilling!

M.T. (BATH).—The squeal you mention, coupled with the facts regarding results when the "C" battery is removed, lead us to suppose that you have an open grid circuit.

R.C.S. (COOLAH).—You must experiment with the coil knobs for best results. Adjust the knobs one at a time, starting at the aerial end, and re-tuning the receiver each time a coil is adjusted, until best results are obtained.

J.O.D. (SOUTH AUSTRALIA).—A 240 ohm potentiometer would be too small. 400 ohms resistance is necessary. The trouble lies either here, or in the R.F. or detector stage of your receiver. The Marco Four was published on 4/11/27, and the Browning Drake on the 15th June, 1928.



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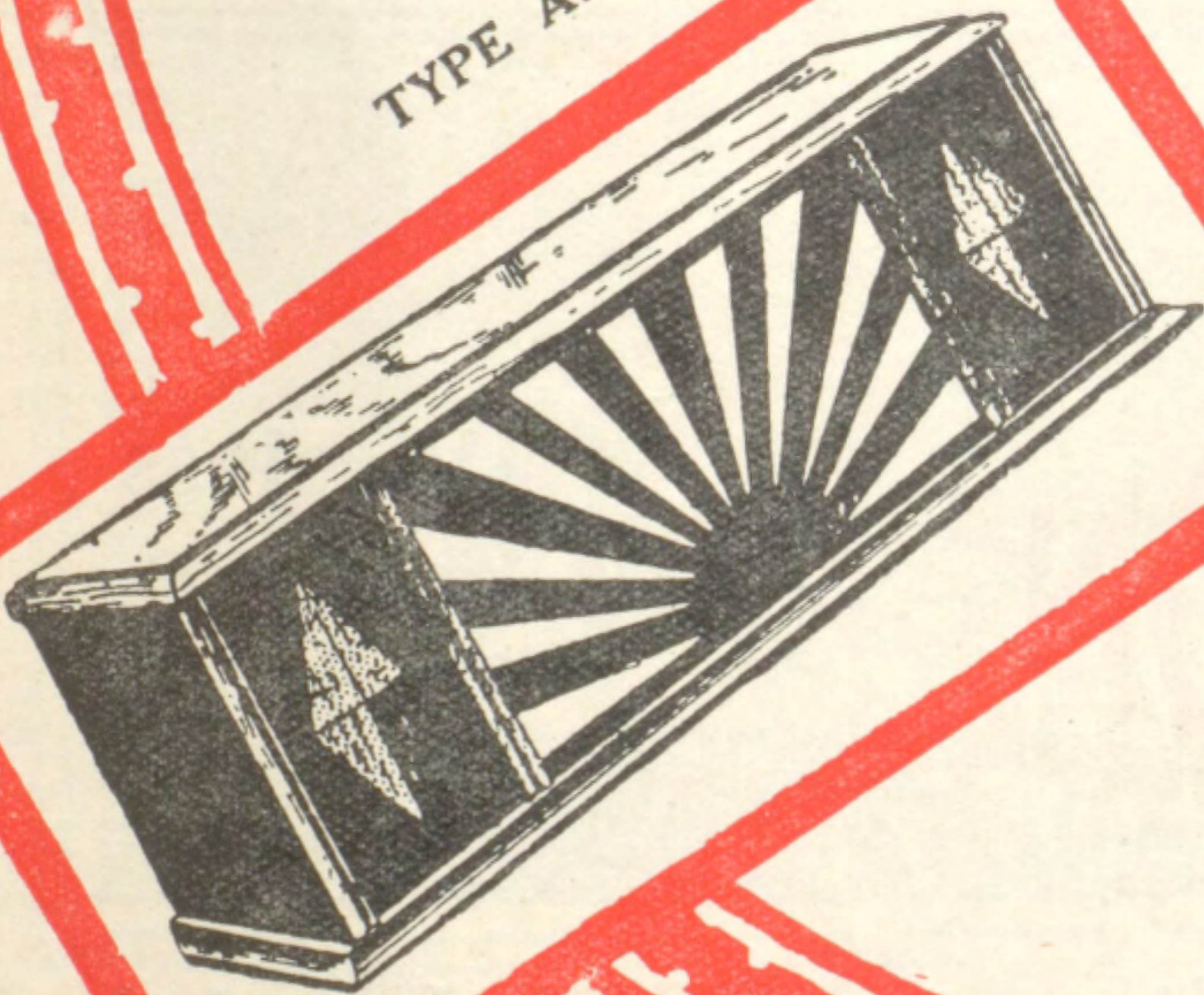
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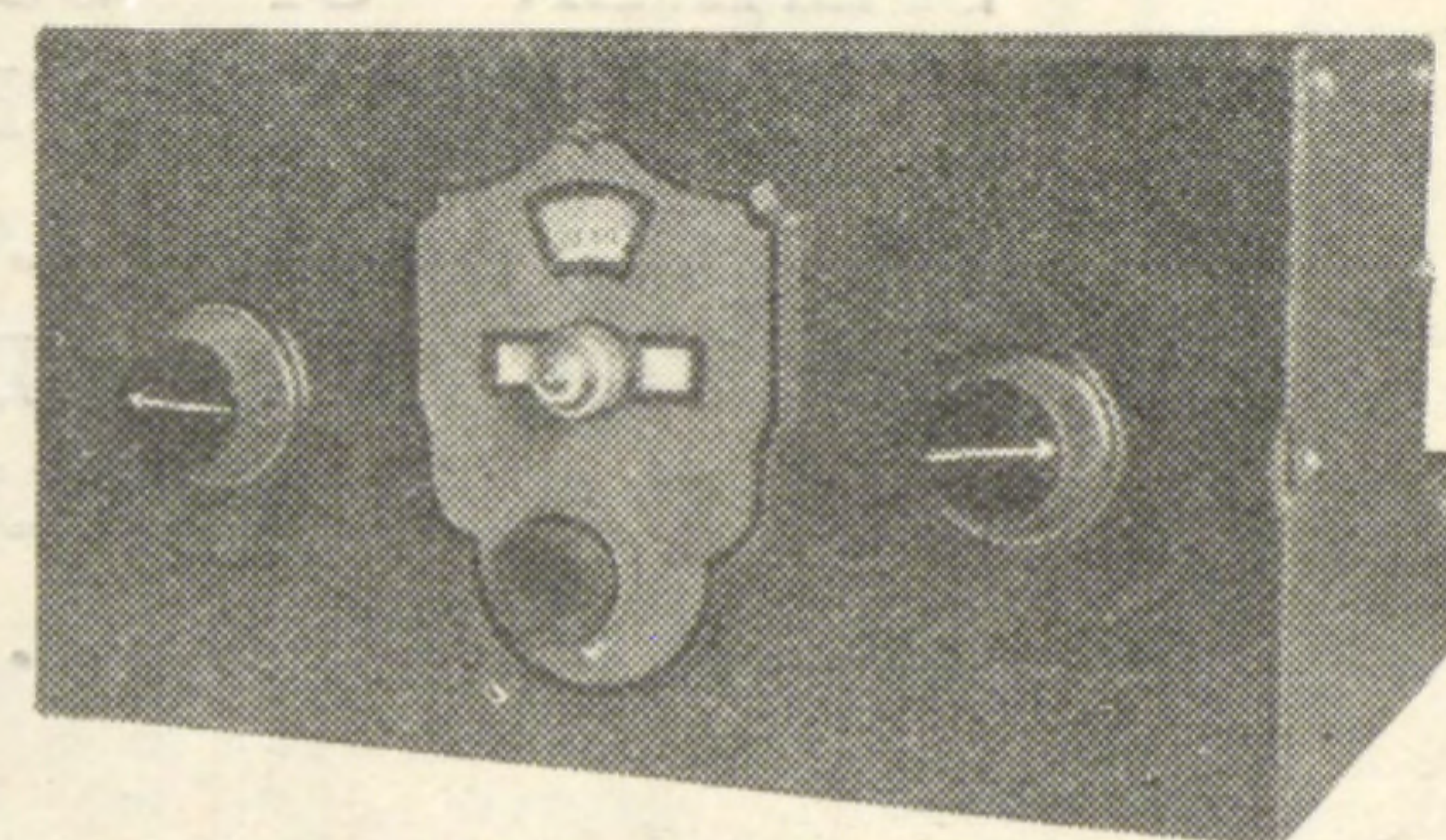
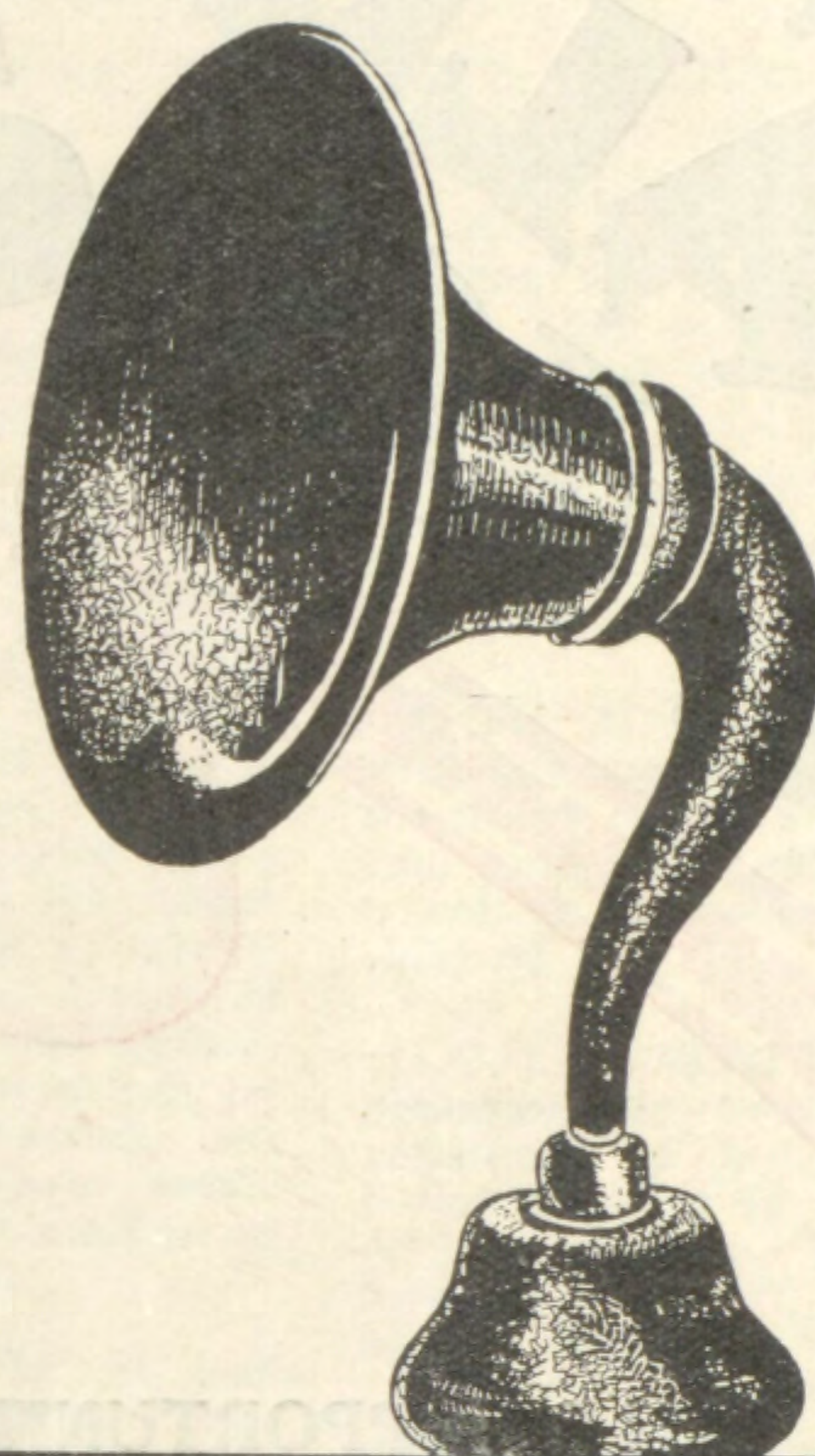
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