

**BURGESS—THE DRY BATTERY SUPREME**

THE  
WEEKS PROGRAMMES

NEWS  
FROM EVERYWHERE

# The Broadcast Bulletin

PUBLISHED **2<sup>0</sup>** WEEKLY

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Number 12

**MONDAY, 1st AUGUST, 1927**

Registered at the G.P.O., Brisbane, for transmission by Post as a Newspaper.

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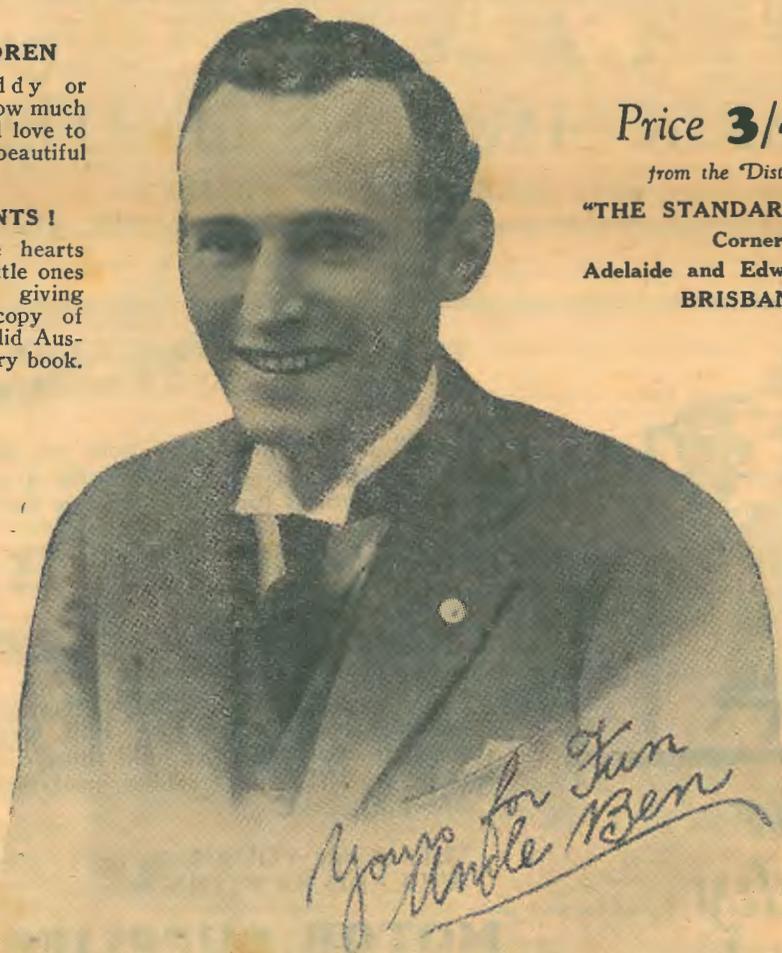
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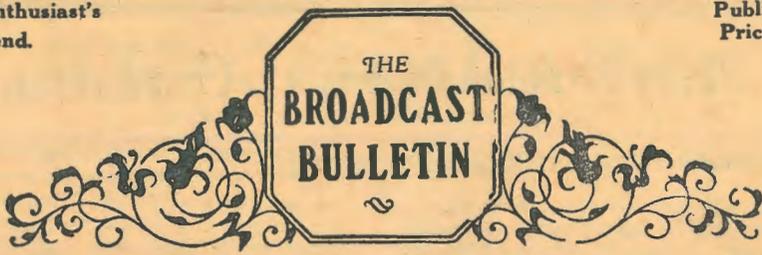
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THE  
BROADCAST  
BULLETIN

## SIMULTANEOUS BROADCASTING



ON Saturday, July 23rd, and again on Saturday, July 30th, two of the 'A' class stations in Australia, 2FC and 4QG, joined forces in an endeavour to give effect to the simultaneous broadcasting of two important events from a listener's point of view. On both these dates Interstate Rugby League football matches were played in Brisbane between the Queensland and New South Wales teams.

There are many people in both States who are very keenly interested in Rugby League football, and also in broadcasting. When the previous matches were played in New South Wales, a description of them was broadcast by Station 2FC, but unfortunately, as the whole of the play took place during the hours of daylight, there were very few people in Queensland who were able to pick up the description and the results from 2FC. Furthermore, there were very few amongst the interested thousands in Queensland who possessed sets capable of allowing them to make an attempt to receive the description.

A similar state of affairs would have applied to New South Wales had not steps been taken to attempt the simultaneous broadcasting. There would have been many interested people in Sydney, but few of them would have received 4QG's description. The two stations, however, joined forces. Station 2FC arranged for the landline, and Station 4QG arranged for the description of the match, installed the apparatus at the grounds, and delivered the speech to 2FC's land line.

In this case 4QG had most of the work to carry out, but this fact does not matter very much. Next time it may fall to the lot of 2FC to collect the description and to 4QG's lot merely to broadcast it.

In England much is done in the way of simultaneous broadcasting, and large audiences are catered for. Australia is, of course, a land of greater distances, and arrangements consequently become more difficult.

Nevertheless it is very pleasing to know that two of our "A" class stations have co-operated in an endeavour to serve the listening public to the best of their ability, and it is to be hoped that 4QG and 2FC's hearty co-operation in the matter of broadcasting the football match will be appreciated to the utmost by listeners, and that the actions of those two stations will be followed by similar action on the part of other big radio stations in Australia.

# Radio Personalities No. 11—Uncle Ben



Here is "Uncle Ben"—Everybody Knows Him.  
Note—Next Week's Personality—"The Sandman."

## 4QG's Telepathy Test

### Some Further Observations

From all parts of Australia comments regarding the most interesting telepathy test, which was carried out by 4QG some few days ago, have reached the management.

Our issue of last week contained full details of the remarkable experiment, but perhaps we may be pardoned for briefly referring to the arrangements again.

Station 4QG co-operated with "Argus," the remarkable boy whose telepathic powers have brought him into a good deal of prominence.

"Argus" was placed on the stage of the Lyceum Theatre, and a committee of reputable people surrounded him. The theatre was linked up by land line with 4QG, and another committee of reputable people sat in the studio. Microphones were installed at each point, and those in the studio were, therefore, able to speak to "Argus," whilst the use of loud speakers in the theatre enabled the audience and the committee to hear what was said in the studio. In the studio the use of a loud speaker enabled the studio committee to hear what was said at the theatre.

The results achieved were absolutely surprising.

The Director of 4QG personally supervised the switching arrangements, and was assisted by the Chief Engineer (Mr. F. W. Stevens). Both these gentlemen took particular care to see that all contact between the studio and the theatre was cut off while the committee decided on certain objects, and both gentlemen, in the course of a statement, solemnly assured listeners that they had seen to it that by no means was "Argus" able to hear anything said in the studio.

For the first test members of the studio committee selected cards from a pack, and then concentrated on them. "Argus" was advised of the concentration by the striking of a bell, and he immediately gave the names of the cards which those present were thinking of.

Various objects were then produced, and with hardly an exception "Argus" named them correctly.

On the day following the test quite a number of letters were received at 4QG, and a number of calls were made at the station by listeners who were not quite satisfied.

Several people expressed the opinion that while the demonstration was clever, it was effected by means of a secret code between "Argus" and his demonstrator.

One man suggested that the manner in which the demonstrator addressed "Argus" gave him the clue to the card and the objects. That there is no foundation for this belief is amply demonstrated by the fact that during the whole of the evening, except for saying to "Argus" the words "Please read this man's mind," there was not any communication of any sort between "Argus" and his demonstrator. As a matter of fact, one member of the committee left the studio, wrote a question on a piece of paper, put it in his pocket, and then re-entered the studio. Not a soul knew what was on the paper, and the committeeman asked "Argus" to answer the question. "Argus" replied, and the member of the committee then opened the paper and showed that the answer was correct. "Argus's" demonstrator did not see the paper and did not know what was on it until after the question had been answered.

When 4QG decided to carry out the test, care was taken to choose a committee whose word would be its bond.

Each member of the committee, at the conclusion of the test, came forward and stated to listeners that the whole test was quite genuine.

In our next issue a most interesting article will appear, written by a student who will discuss the probable cause of the success of the telepathy test.

The committees who supervised the transmission were as follows:—

#### Studio:

The Hon. M. J. Kirwan (Minister for Works)  
 The Rev. Father J. Kelly  
 The Rev. Father Jordan  
 The Rev. Father O'Callaghan  
 Mr. L. L. Read (Read Press)  
 Mr. Best (S. A. Best, Ltd.)  
 Mr. Farleigh (Motor Supplies Ltd.)  
 Mr. Luney (Chief Sub-Editor "The Telegraph")  
 "Daily Mail" representative  
 The Hon. T. J. O'Shea  
 A representative of the Police Department  
 The Director of 4QG (Mr. J. W. Robinson)  
 The Chief Engineer 4QG (Mr. F. W. Stevens)  
 Mr. R. D. Gibbs (Gibbs and Dennis)

#### Theatre:

Mr. Kennedy  
 Mr. Hindman (Brisbane City Council)  
 Mr. Bartlett (Editor "Old. Radio News")  
 Mr. J. Hanlon (Editor "The Worker"), and others.

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## New Zealand Broadcasting

### *Mr. J. Prentice's Resignation*

Quite an amount of interest has been created in Australia as well as New Zealand in connection with the resignation of Mr. J. Prentice.

Mr. A. R. Harris, General Manager of the Broadcasting Company of New Zealand, has issued the following statement concerning the matter to the "Broadcast Bulletin":—

Mr. Prentice was engaged by the Radio Broadcasting Company as Chief Announcer under conditions negotiated by him prior to his departure from Australia. In that capacity he rendered satisfactory service, so much so, that the company voluntarily gave him, three months after his arrival, an increase in salary not due until after twelve months' service. In terms of his own conditions, Mr. Prentice was stationed at Auckland, and also freed from all responsibility in respect to programmes, and any amplification of his position as Chief Announcer has been made through no official statement of the company.

In April last, on his own statement, that rightly or wrongly, he was accepted by the press and public of New Zealand as being responsible for the ultimate success of the stations, and on other points which he characterised as "infinitesimal," Mr. Prentice demanded recognition in relation to staff routine, business ad-

ministration, and personal treatment, quite foreign to his contract and outside his duties, and offered his resignation as the alternative to their acceptance.

The non-acceptance of the terms laid down by Mr. Prentice resulted in his voluntarily resigning his position, which resignation was duly accepted by the company. Subsequently, on June 8th, it became advisable to relieve Mr. Prentice from further attendance at the studio, this being necessary because of the tension created within the organisation and the nature of the publicity entered upon in connection with this matter.

On June 15th Mr. Prentice further wrote the company, stating that if re-co-operation was impossible he would ask the company to pay him to the end of his contract at once, so that he could immediately go back to his work in Australia. On June 18th the company complied with Mr. Prentice's wishes in this respect, and forwarded him a cheque for the unexpired period of the notice given by him.

The public and listeners may rest assured that there has been no change in the policy of the Broadcasting Company; that policy is, and always has been, to give service to the public to the limit of the capacity of the company's situation and its stage of development. Mr. Prentice's departure, for personal and not for policy reasons, will not effect that policy, and from the company's point of view, now that the necessary foundation work is nearing completion, it will be possible to attain the standard of service desired by the company from the outset.

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The World's Best

**Seppelt's**

**Great Western  
Sparkling**

**Wines**

*Carried all before them at the Brewers' Exhibition, London,  
having secured the*

**THREE FIRST PRIZES**

The report of the Judge on these was:—"The Sparkling Wines called for praiseworthy comment, Hoch taking first place." Also carried all before them at the R.A. Society Show, Sydney, 1927.

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## Notes from 3LO

### SHAKESPEAREAN ENTERTAINER.

Mr. Phillip T. Long, the Dickensian and Shakespearean entertainer who is at present broadcasting from Studio 3LO, is a mimic of far more than ordinary ability. After hearing a particular laugh once or twice he never forgets it, and can imitate the person at will, catching just the right facial expression, and inflexion of voice. This wonderful gift of mimicry is of great value to him when he is playing a Shakespearean or Dickensian sketch in which he personally portrays all the characters. Thus, in the "Trial Scene" from "The Merchant of Venice," which is to be included in his broadcasting programmes, we will hear him as Shylock, Antonio, Portia, Bassanio—and were it not for the fact that everyone knows that Mr. Long takes each character himself, the inflexion of his voice being so true, it would be a very simple matter for each listener to persuade himself (or herself) that there were many people engaged "at the other end of the wire."

\* \* \* \*

### ERIC S. SUNDERLAND.

#### Great Australian Walker.

Although little more than a youth, Mr. Eric Sunderland, a member of the Melbourne Harriers—by his recent performance—has proved himself the greatest walker that Australia has ever produced, and has broken the twenty-five miles record by a fraction under five minutes, accomplishing this strenuous feat in three hours 53 minutes and 16 seconds. This walk was undertaken when very adverse conditions prevailed, and, had the walk taken place under normal circumstances, it is safe to say that he would have broken a record that has stood for over forty years.

Mr. Sunderland first showed great promise a few years ago by winning the seven miles junior championship. Many other successes followed in which records were broken, and last year he journeyed to Sydney to compete in the New South Wales seven-mile championship, in which the Olympian representative, Parker, was decisively beaten.

At present Mr. Sunderland is in strict training, and hopes to beat both the ten miles and three miles walking records, for the world and Australia—he is entering these races with a view to winning the 3LO Silver Cup to all breakers of records in any branch of amateur sport. Near the end of July he will attempt to lower the twenty-five mile world's record at

Geelong, and about a week previous to the race will be speaking from Studio 3LO on "How I Prepared to Lower the Twenty-five Mile World's Record," which should not only contain some very interesting and helpful information, but will be much appreciated by all listeners, young athletes in particular.

\* \* \* \*

### MILDRED AND CONNIE.

Everybody has much to thank their parents for, but Mildred and Connie owe their entire success in the world of entertainment to their father's training. These clever young English instrumentalists, who have been engaged for the programmes of 3LO Melbourne, have been on the stage ever since they left school seven years ago, and their instrumental ability has led to their appearance in first-class theatres all over the world. As soon as each child was old enough to follow the intricacies of melody, the father started training them, not in one instrument only, but in various types, string, reed and brass. Before his family had left school they were sufficiently talented to play as members of a small orchestra in his own picture show in England, and a year later the whole family—father, two sons and two daughters—formed a first-class musical act, which is now well known all over the world under the title of the Harris Family.

Mr. Harris and the sons have retired from the stage, and Mildred and Connie have now embarked on their own careers. Mildred plays the harp, piano, banjo, cornet, concertina, accordeon and post horn, whilst Connie is adept at violin, cornet, trombone, banjoline, concertina and post horn. Both girls are talented vocalists and dancers, and are probably without equal in versatility in vaudeville. One of their instruments—the post horn—is a different proposition even for an experienced bugler, the instrument being without keys or any graduating influences of any type.

During their season with 3LO Melbourne Mildred and Connie will present vocal and instrumental solos with particular attention to harp accompaniments.

## C.A.V.

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**BURGESS "B" BATTERY, 45 VOLT, 26/-**

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**NOW ON SALE—**

**August Issue**

# QUEENSLAND RADIO NEWS

Sixty-four Pages of Radio Information and Education. A Monthly Magazine with an Australian-wide circulation. Read the August Number—it is filled with good things for every man who operates a receiver.

EVERYWHERE

# Reasons why you should USE VOLTON BATTERIES

- (1) Practical tests have shown the Volton Batteries to be the most economical.
- (2) Volton Batteries are guaranteed by your local dealer as being the true Triple Capacity 45 Volts. Your dealer will test every battery before you purchase.
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- (4) Volton Batteries, due to their sturdy construction, long life, and dependability, eliminate all battery trouble.
- (5) Volton 45 Volt, triple capacity, standard size, as illustrated—cost you only 22/6 each—Why pay more?



**"B" Batteries 22/6  
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**"C"**  
**Batteries**  
**3/-  
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It is quite impossible to check the voltage of ordinary course two instruments are required, the accumulators on a voltmeter having a range. We have designed the above instrument to be suitable for testing a dry battery, and in the viate the necessity of having two instruments.

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AUSTRALIAN BROADCASTING STATIONS  
"A" GRADE

FARMER & CO., LTD., SYDNEY:—Call-sign, 2FC; Wave-length, 442 metres; Power, 5000 watts.  
 BROADCASTERS, LTD., SYDNEY:—Call-sign, 2BL; Wave-length, 353 metres; Power, 5000 watts.  
 BROADCASTING COMPANY OF AUSTRALIA, PTY., LTD., MELBOURNE:—Call-sign, 3LO; Wave-length, 371 metres; Power, 5000 watts.  
 ASSOCIATED RADIO CO., LTD., MELBOURNE:—Call-sign, 3AR; Wave-length, 484 metres; Power, 1600 watts.  
 THE QUEENSLAND RADIO SERVICE, BRISBANE:—Call-sign, 4QG; Wave-length, 385 metres; Power, 5000 watts.  
 CENTRAL BROADCASTERS, LTD., ADELAIDE:—Call-sign, 5CL; Wave-length, 395 metres; Power, 5000 watts.  
 WEST AUSTRALIAN FARMERS' UNION, PERTH:—Call-sign, 6WF; Wave-length, 1250 metres; Power, 5000 watts.  
 TASMANIAN BROADCASTING CO., PTY., LTD., HOBART:—Call-sign, 7ZL; Wave-length, 525 metres; Power, 250 watts.

NOTE.

BRISBANE, SYDNEY and MELBOURNE times are the same.  
 ADELAIDE time is half-an-hour behind Brisbane time.  
 PERTH time is two hours behind Brisbane time.

Cookery Talks from 4QG

Interesting talks are being delivered by Miss Betty Simpson, every Thursday afternoon at 4 O'clock... Listen in!

SIMPSON'S SELF-RAISING FLOUR

Station 4QG

MONDAY, 1st AUGUST, 1927.

Midday Session.

1.0 p.m.—Market reports; weather information supplied by the Commonwealth Weather Bureau; news services supplied by "The Daily Mail" and "The Daily Standard."

FROM HOTEL CARLTON—

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

FROM THE OBSERVATORY—

1.53 p.m.—Standard time signal.  
 2.0 p.m.—Close down.

Afternoon Session.

FROM HOTEL CARLTON—

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

FROM THE STUDIO—

4.15 p.m.—News service supplied by "The Telegraph."  
 4.30 p.m.—Close down.

Early Evening Session.

6.0 p.m.—News service supplied by "The Daily Standard."  
 6.15 p.m.—Lecturette: "The Women to the Rescue"—by the Hon. Sec. Queensland Housewives' Association (for Queensland Preference League).

6.30 p.m.—The children's session—stories by "The Sandman."  
 7.0 p.m.—Market reports; stock reports.  
 7.30 p.m.—Weather news; 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.

Hot Toddy!! 1 Lemon, Sugar to taste and OLD Q RUM. You can only make a good Hot Toddy out of good RUM—that's why you should use OLD Q RUM. Buy a bottle to-morrow.

ORGAN RECITAL.

FROM ST. JOHN'S CATHEDRAL—

8.0 p.m.—A recital by the City Organist (Mr. Geo. Sampson, F.R.C.O.), including:—"Coronation Anthem"—"Zadok the Priest" (Handel); "Le Matin" (Grieg); (e) "Fugue in B-Flat Minor" (Bach); (b) "Tocatta in D-Minor" (Bach); "Sarabande and Gavot" (Roessel); "Andante and Allegretto"—from "Les Deux Pigeons" (Messager); air and chorus, "Dal Tuo Stellato Soglio" (Rossini); "Grand Offertoire No. e" (Weby); (b) "Recit. du Reheur (M. de Falla), (b) "Melodie" (S'lesu); "Processional March" (Sullivan).

FROM THE STUDIO—

STUDIO PROGRAMME.

9.0 p.m.—Metropolitan weather forecast; overture, "Gypsy Queen" (Lachner), the Studio Orchestra (conductor, Mr. A. R. Featherstone); contralto solo, "My Ships" (Barratt). Miss Blanch Burns; violin solo, "Amore!" (Mayo), Mrs. C. Williams (accompanied by Studio Orchestra); soprano solo, selected, Miss Annie Adams; patrol, "The Dwarf's Patrol" (Rinaldi), the Studio Or-

chestra; soprano solo, "Open Thy Blue Eyes" (Massenet), Miss Mary McNeish; organ solo, selected, Mr. A. Sharman; contralto solo, "Little Town in County Down" (Sanders), Miss Blanche Burns; extracte, "Valse Danseuse" (Miles), the Studio Orchestra; tenor solos—(a) "The Rosary You Gave Me" (Ball), (b) "Pal of My Cradle Days" (Piantodosi), Mr. Gerald Cashman; one-step, "Big Ben" (Allen), the Studio Orchestra.  
10.0 p.m.—"The Daily Mail" news; weather news.  
Close down.

## TUESDAY, 2nd AUGUST, 1927.

### Midday Session.

1.0 p.m.—Market reports; weather information; "The Daily Mail" and "The Daily Standard" news.

#### FROM HOTEL CARLTON—

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

#### FROM THE OBSERVATORY—

1.58 p.m.—Standard time signal.  
2.0 p.m.—Close down.

### Afternoon Session.

#### A PROGRAMME OF MUSIC FROM THE STUDIO—

4.15 p.m.—"Telegraph" news.  
4.30 p.m.—Close down.

### Early Evening Session.

6.0 p.m.—"Daily Standard" news; announcements.  
6.15 p.m.—Lecturette: "What is Being Done for Consumptive Soldiers"—by Mrs. T. J. Ryan.  
6.30 p.m.—The children's session—stories by "Uncle Jim."  
7.0 p.m.—Market reports; stock reports.  
7.30 p.m.—Weather news; announcements.  
7.43 p.m.—Standard time signals.  
7.45 p.m.—Lecturette: "Mortorists—Correct Lubrication Talk"  
No. 9—by "Gargoyle."

### Night Session.

**RADIO SUPPERS:—9.30 p.m.!** Supper Time!!  
Make your Radio Suppers enjoyable—serve BRISBANE BITTER ALE. "B.B." is a light ale and delightfully appetising. Order a supply of "B.B." to-morrow.

#### ERICH JOHN'S CONCERT.

The complete concert provided in the studio of Mr. Erich John will be broadcast.

#### PART I.—OPERATIC.

Double quartette, "Hymen's Torch" (from Meyerbeer's opera, "The Hugenottes"); duet, "Barcarolle" (from Offenbach's opera, "Tales of Hoffman"), Miss Audrey Bell (contralto) and Mr. Jack Lord (tenor); baritone solo, "Evening Star" (from Wagner's opera "Tannhauser"), Mr. Ben Cloirec; double quartette, "Onward to Battle" (from Verdi's opera, "Il Trovatore"); duet, "Dearest Lady" (from Flotow's opera, "Martha"), Miss Mabel Malouf (soprano) and Miss Mildred Bell (contralto); male quartette, "Chorus of Old Men" (from Gounod's opera, "Faust"); soprano solo, "Om-bro Leggiero" (from Meyerbeer's opera, "Dinorah"), Miss Mabel Malouf; duet, "Be Mine the Delight" (from Gounod's opera, "Faust"), Mr. Geo. Williamson (tenor), and Mr. Ben Cloirec (baritone); contralto solo, "Have I Lost Thee" (from Gluck's opera, "Orpheus and Euridice"), Miss Mildred Bell; double quartette, "Friendship" (from Donizetti's opera, "Lucia de Lam-mermoor").

#### PART II.—SONGS OF THE EAST.

Double quartette, "Song of the Bells" (from Bantock's "Songs of China"); duet, "The Temple Bells" and "Less Than the Dust" (from Woodforde-Finden's "Indian Love Lyrics"), Miss Mildred Bell (contralto) and Mr. Ben Cloirec (baritone); tenor solo, "The Garden of Allah" (Marshall), Mr. George Williamson; male quartette, "Allah" (Erich John); duet, "If in the Great Bazaars" and "Allah Be With Us" (from Woodforde-Finden's "A Lover in Damascus"), Mrs. Thelma Champion (soprano) and Mr. Geo. Williamson (tenor); contralto solo, "Her Jewels" (from Wood-

## WEDNESDAY, 3rd AUGUST, 1927.

### Early Morning Session.

6.30 a.m.—Physical culture session.  
7.0 a.m.—Close down.

### Midday Session.

1.0 p.m.—Market reports; weather information; "The Daily Mail" and "The Daily Standard" news.

#### FROM THE G.P.O.—

1.30 p.m.—Lunch hour music played by the Postal Institute Orchestra.

#### FROM THE OBSERVATORY—

1.58 p.m.—Standard time signal.  
2.0 p.m.—Close down.

forde-Finden's "Aziza"), Miss Audrey Bell; double quartette, "Feast of the Lanterns" (Bliss); duet, "Kashmiri Song" (from Woodforde-Finden's "Indian Love Lyrics"), Mr. Jack Lord (tenor) and Mr. Walter Land (tenor); bass solo, "Salaam" (Lang), Mr. Tom Ryan; double quartette, "In the Temple" (from Bantock's "Songs of Japan"), 6

#### FROM THE STUDIO—

10.0 p.m.—"The Daily Mail" news; weather news.  
Close down.

### Afternoon Session.

#### FROM HOTEL CARLTON—

3.30 p.m.—Afternoon tea music from the lounge, played by Hotel Carlton Symphony Orchestra.

#### FROM THE STUDIO—

4.15 p.m.—Beauty talk by Dorothea Webster; and "Tele-graph" news.

## BEAUTY TALKS

by Dorothea Webster

(of the Dorothea Webster Toilet Salon,  
T. & G. Bldg., Queen St., Brisbane.)

**Broadcast from 4QG each Wednes-  
day Afternoon at 4.15 p.m. Listen in.**

4.30 p.m.—Close down.

### Early Evening Session.

6.0 p.m.—"Daily Standard" news; announcements.  
6.15 p.m.—Lecturette: "The Story of a Steel Bridge"—by Mr. Gilbert T aylour (Secretary Queensland Preference League).  
6.30 p.m.—The children's hour—stories by "Little Miss Brisbane."  
7.0 p.m.—Market reports; stock reports.  
7.30 p.m.—Weather news; announcements.  
7.43 p.m.—Standard time signal.  
7.45 p.m.—Lecturette arranged by the Queensland Agricultural High School and College.

## Good Reception

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**Night Session.**

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**TIVOLI THEATRE.**

By courtesy of Haymarket Theatres Ltd., half-an-hour's musical programme will be relayed from the Tivoli Theatre.  
**FROM THE TIVOLI THEATRE.**

8.0 p.m.—Music by the Tivoli Operatic Orchestra (conductor, Mr. C. Groves).

**WINDSOR BAND.**

**FROM THE STUDIO—**

8.30 p.m.—March, "Windsor" (Alex Pirie), the Windsor Municipal Band (conductor, Mr. Alex Pirie); contralto solo, "They Say" (Evans), Miss Winifred Anderson; cornet solo, "Zelda" (Code), soloist Mr. J. Fitzgerald (accompanied by the Windsor Band); soprano solo, "Rose Softly Blooming" (Spohr), Miss Eileen Noone; grand selection, "Marco Spada" (Auber), the Windsor Band; waltz, "Nights of Gladness" (Ancliffe), the Windsor Band; contralto solo, "Marietta" (Romilli), Miss Winifred Anderson;  
9.0 p.m.—Metropolitan weather forecast. March, "Good as Gold" (Reeves), the Windsor Band; a thought for to-night (Will H. Lister), "Eternity"; pianoforte solos—Nordische Tanz" Nos. 12 and 15 (Grieg), Rev. P. O. Brookes.

**THE STUDIO ORCHESTRA.**

An Alpine fantasia, "Voice of the Bells" (Thurban), the Studio Orchestra (conductor, Mr. A. R. Featherstone); contralto solo, "Bonnie Banks of Loch Lomond," Miss Ella Howie; harp solos—(a) "Kate O'Shane" (Irish melody), (b) "Mazurka" (Schuecker), Mrs. Corrigan; monologue, "Poor Butterfly," Miss Eileen McLennan; one-step, "The Kilties Courtship" (MacKenzie), the Studio Orchestra.

10.0 p.m.—"The Daily Mail" news; weather news.  
Close down.

**Jean Naylor**

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(From the Studio of Miss Lena Hammond)

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**THURSDAY, 4th AUGUST, 1927.**

**Midday Session.**

1.0 p.m.—Market reports; weather information; "The Daily Mail" and "The Daily Standard" news.

**FROM THE CONSTITUTIONAL CLUB—**

1.20 p.m.—A lunch hour address.  
1.58 p.m.—Standard time signal.  
2.0 p.m.—Close down.

**Afternoon Session.**

3.30 p.m.—A programme of music from the Studio.  
4.0 p.m.—A cookery talk by "Betty Simpson."  
4.15 p.m.—"Telegraph" news.

4.30 p.m.—Close down.

**Early Evening Session.**

6.0 p.m.—"Daily Standard" news; announcements.  
6.15 p.m.—A rose talk by "Tecoma."

**Competition Results**

The four nearest answers to the correct solution were forwarded by:

- (1) Miss Lorrie McLennan, Douglas Street, Enoggera.
- (2) Leonard Barker, Quarry Street, Ipswich.
- (3) Master H. Moloney, Jean Street, Wilston.
- (4) Miss Emily Dekker, Charles St., Deagon.

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- 6.30 p.m.—The children's session—stories by "The Sandman."
- 7.0 p.m.—Market reports; stock reports.
- 7.30 p.m.—Weather news; announcements.
- 7.43 p.m.—Standard time signal.
- 7.45 p.m.—Lecturette: "A Talk on Books" by Mr. W. A. Braiden (McLeod's).

**Night Session.**

**BRISBANE BITTER ALE** makes a delightful supper beverage. It is light and wonderfully palatable. Always keep a few bottles of **BRISBANE BITTER** in the house for your Radio Suppers and other occasions.

**RECITAL OF VOCAL MUSIC.**

The programme will be provided by the advanced students from the studio of Mr. Leonard Francis, and will include excerpts from oratorio and opera, as well as ballads and modern songs. There will be also some concerted items, duets, trios, quartettes, as well as the song-cycle "Flora's Holiday," written for four voices by Lane Wilson.

**FROM THE STUDIO—**

8.0 p.m.—Vocal recital.  
 8.15 p.m.—A description of 4QG.  
 8.30 p.m.—Vocal recital (continued).

**FROM THE STUDIO—**

10.0 p.m.—"The Daily Mail" news; weather news.  
 Close down.

**FRIDAY, 5th AUGUST, 1927.**

**Midday Session.**

1.0 p.m.—Market reports; weather information; "The Daily Mail" and "The Daily Standard" news.

**FROM HOTEL CARLTON—**

1.20 p.m.—Lunch hour music played by Hotel Carlton Symphony Orchestra.

**INSIST ON HAVING DIAMOND DRY CELLS—THE BEST.**

## FROM THE OBSERVATORY—

1.58 p.m.—Standard time signal.  
2.0 p.m.—Close down.

## Afternoon Session.

## FROM HOTEL CARLTON—

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

## FROM THE STUDIO—

4.15 p.m.—News service supplied by "The Telegraph."  
4.30 p.m.—Close down.

## Early Evening Session.

6.0 p.m.—"Daily Standard" news; weather information; announcements.

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

7.0 p.m.—Market reports; stock reports.

7.30 p.m.—Weather news; announcements.

7.43 p.m.—Standard time signal.

## Night Session.

Stout for Supper to-night! There is no finer supper beverage than a glass of good Stout, and no finer Stout than CARBINE. Keep a stock of CARBINE STOUT in the house for your Radio Suppers.

## W.E.A. MUSIC CLASS.

The Workers' Educational Association Tutorial Classes in music are being held in the Reception Hall at 4QG this season, and are being conducted by Mr. George Sampson, F.R.C.O. (Musical Adviser, Department of Public Instruction; Lecturer in Music, Teachers' Training College).

The object of holding the classes at 4QG is to broadcast the lectures and music, and so make available to a large audience the educational matter placed before students.

The classes will extend over a period, and will be held each Friday night.

The usual lecture (which generally begins at 7.45 p.m.) will be dispensed with, and the classes will begin at that hour.

The tutor (Mr. Sampson) will lecture during the first portion of each evening, and chamber music will be played after each lecture.

## FROM THE RECEPTION HALL—

7.45 p.m.—W.E.A. Music Class—  
The Jefferies Party will illustrate to-night's lecture.

9.0 p.m.—Metropolitan weather forecast; week-end road information for motorists, officially supplied by the Royal Automobile Club of Queensland.

## S.S. ESPERANCE BAY.

The function held on board the Commonwealth liner "Esperance Bay," in aid of the seaside home for country women, will be relayed. A concert will be given, and there will be dance music.

## FROM THE S.S. "ESPERANCE BAY."—

9.15 p.m.—Concert programme.

## FROM THE STUDIO—

10.0 p.m.—Sporting news.

## FROM THE S.S. "ESPERANCE BAY."—

10.30 p.m.—Dance music.

11.0 p.m.—Close down.

## SATURDAY, 6th AUGUST, 1927.

No Midday Transmission.  
Afternoon Session.

3.30 p.m.—A matinee for little listeners by "Miss Waratah"  
4.30 p.m.—Close down.

## Early Evening Session.

6.15 p.m.—Lecture: "The French Foreign Legion"—by Compté de Tournouer.

6.30 p.m.—Bedtime stories by Uncle Ben.

7.15 p.m.—Racing results.

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

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

## Night Session.

BRISBANE BITTER ALE is a refreshingly delightful light beverage that will not fail to meet with your approval. Lay in a stock for your Radio Suppers and other occasions. When ordering be sure and ask for "B.B."—BRISBANE BITTER ALE.

## A VISIT TO SACHS' FACTORY.

To-night's programme will take the form of a visit to the factory of Messrs. E. Sachs & Co., Valley.

## FROM SACHS' FACTORY—

8.0 p.m.—A description of the foundry—of nail making, and of galvanising.

## FROM SACHS &amp; CO.'S OFFICES—

9.0 p.m.—A musical programme, including:—Instrumental, "Fun in Dahomey" (Grimshaw), the White Coon Banjo Duo; contralto solo, "Waters of Minnetonka" (Lieurance), Miss Laura Loch; harp solo, "Autumn" (Ghosam), Mrs. L. M. Corrigan; baritone solo, "Muleteer of Malaga" (Troters), Mr. A. N. Falk; tenor solo, "Mountain Lovers" (Squire), Mr. J. Land; instrumental, "Sunflower Dance" (Turner), the White Coon Banjo Club; soprano solo, "Sing Merrily To-day" (Phillips), Miss Dolly Burgess; bass solo, "Father O'Flynn," Mr. Stanley Tamblin; harp solo, "Home Sweet Home," Mrs. L. M. Corrigan; baritone solo, "Nirvana" (Adams), Mr. A. N. Falk; contralto solo, "I'm Longing for You," Miss Laura Loch; tenor solo, "An Evening Song" (Blumenthal), Mr. J. Land; instrumental, "Honolulu Cake-walk" (Osman), the White Coon Banjo Club; bass solo, "The Admiral's Yarn" (Rubens), Mr. Stanley Tamblin.

## FROM THE STUDIO—

10.0 p.m.—"The Sunday Mail" news. Close down.

## SUNDAY, 7th AUGUST, 1927.

## Morning Session.

## ALBERT STREET METHODIST CHURCH.

The complete morning service will be relayed from the Albert Street Methodist Church.

## FROM ALBERT STREET METHODIST CHURCH—

11.0 a.m.—Morning service.

12.30 p.m.—Close down.

## Afternoon Session.

## THE FEDERAL BAND.

The concert by the Federal Band (conductor, Mr. W. H. Davis) will be relayed from the Botanic Gardens.

## FROM THE BOTANIC GARDENS—

3.15 p.m.—March, "Entry of the Gladiators" (Fucik); overture, "Don Giovanni" (Mozart); entracte, "Crescendo" (Lasson), euphonium solo, "Annie Laurie" (Rimmer); selection, "Southern Melodies" (King); fox-trot, "Red Red Robin" (Woods); hymns, selected (Hume); march "Arabian" (Rimmer).

4.30 p.m.—Close down.

## Night Session.

## ALBERT STREET METHODIST CHURCH.

The complete evening service will be relayed from Albert Street Methodist Church.

## FROM ALBERT STREET METHODIST CHURCH—

7.0 p.m.—Children's Session.

7.30 p.m.—Evening service.

8.30 p.m.—Conclusion.

## BAND CONCERT.

At the conclusion of the church service the concert by the Brisbane Municipal Concert Band will be relayed from Wickham Park.

8.30 (approx.)—Band concert.

9.30 p.m.—Close down.

## Station 2BL

### MONDAY.

#### Morning Session.

11.0 a.m.—G.P.O. clock and chimes. Weather report, shipping information, stock reports, market reports, sporting news from the "Sun." Musical programme from the studio.

#### Afternoon Session.

2.0 p.m.—G.P.O. clock and chimes. Talk to children and special entertainment for children in hospital. Sporting talk, social notes, news from the "Sun," musical programme, announcements, serial story, market reports, resume of night's programme.  
5.0 p.m.—G.P.O. clock and chimes. Close down.

#### Early Evening Session.

5.45 p.m.—G.P.O. clock and Chimes. Children's hours—"Daddy Longlegs" will entertain the children. Musical programme from the studio.

#### Evening Session.

8.0 p.m.—G.P.O. clock and chimes. Broadcasters' Tropical Chorus; the Newtown Band, broadcast from Industrial Hall, Newtown; Mr. Bernard Roberts (humorist and entertainer at the piano); Broadcasters' All-Sports Expert will talk on "General Sporting"; the Leone Vocal Trio; Miss Grace Quine (descriptive artist); weather report and forecast; Sid and Molly Owen in a medley of jazz; Miss Elsa Drummond (soprano); Mr. Phil Mountain (comedian); the Newtown Band; resume of following day's programme; Mr. Bernard Roberts; Leone Vocal Trio; news items by "The Sun"; Miss Grace Quine; news items; Miss Elsa Drummond; Mr. Phil Mountain.

11.0 p.m.—G.P.O. clock and chimes. National Anthem.

### TUESDAY.

#### Morning Session.

11.0 a.m.—G.P.O. clock and chimes. Weather report, shipping information, stock reports, market reports, sporting news from the "Sun." Musical programme from the studio.

#### Afternoon Session.

2.0 p.m.—G.P.O. clock and chimes. Talk to children and special entertainment for children in hospital. Sporting talk, social notes, news from the "Sun," musical programme, announcements, serial story, market reports, resume of night's programme.  
5.0 p.m.—G.P.O. clock and chimes. Close down.

#### Early Evening Session.

5.45 p.m.—G.P.O. clock and Chimes. Children's hours—"Uncle George" and the kiddies. Musical programme from the studio.

#### Evening Session.

8.0 p.m.—G.P.O. clock and chimes. Broadcasters' Topical Chorus. An hour's programme presented by Cossor Valves. Broadcasters' Light Orchestra; Miss Maisie Barnett (contralto); Mr. Haagen Hollenbergh (piano solos); Miss Lenore Gotsch and Mr. Alfred Willmore, in grand opera; Mr. Gerald Walenn (violinist); Mr. Clem Williams (baritone); weather information; Broadcasters' Light Orchestra; Miss Maisie Barnett; Mr. Haagen Hollenbergh; Lenore Gotsch, in German Lieder; Mr. Gerald Walenn; Mr. Alfred Willmore (tenor); resume of following day's programme; Broadcasters' Light Orchestra; Mr. Clem Williams;  
10.12 p.m.—The Ambassadors Dance Band, broadcast from the ballroom of the Ambassadors. During intervals between dances "Sun" news will be broadcast.

11.30 p.m.—G.P.O. clock and chimes. National Anthem.

### WEDNESDAY.

#### Morning Session.

11.0 a.m.—G.P.O. clock and chimes. Weather report, shipping information, stock reports, market reports, sporting news from the "Sun." Musical programme from the studio.

#### Afternoon Session.

2.0 p.m.—G.P.O. clock and chimes. Talk to children and special entertainment for children in hospital. Sporting talk, social notes, news from the "Sun," musical programme, announcements, serial story, market reports, resume of night's programme.

5.0 p.m.—G.P.O. clock and chimes. Close down.

#### Early Evening Session.

5.45 p.m.—G.P.O. clock and Chimes. Children's hours—"Daddy Longlegs" will entertain the children. Musical programme from the studio.

#### Evening Session.

8.0 p.m.—G.P.O. clock and chimes. Broadcasters' Topical Chorus; the Canterbury District Band, broadcast from Baker's Hall, Campsie; an hour's programme presented from the Straube Piano Salon; weather report and forecast; Broadcasters' All-Sports Expert will talk on "Boxing"; the Canterbury District Band; resume of following day's programme; Dorothy Manning and Harry Graham, in song and story.

10.15 p.m.—Cec. Morrison and his Gloomchasers, broadcast from the ballroom of the Bondi Casino. During intervals between dances "Sun" news will be broadcast.

11.0 p.m.—G.P.O. clock and chimes. National Anthem.

### THURSDAY.

#### Morning Session.

11.0 a.m.—G.P.O. clock and chimes. Weather report, shipping information, stock reports, market reports, sporting news from the "Sun." Musical programme from the studio.

#### Afternoon Session.

2.0 p.m.—G.P.O. clock and chimes. Talk to children and special entertainment for children in hospital. Sporting talk, social notes, news from the "Sun," musical programme, announcements, serial story, market reports, resume of night's programme.  
5.0 p.m.—G.P.O. clock and chimes. Close down.

#### Early Evening Session.

5.45 p.m.—G.P.O. clock and Chimes. Children's hours—"Uncle George" and the kiddies. Musical programme from the studio.

#### Evening Session.

8.0 p.m.—G.P.O. clock and chimes. Broadcasters' Topical Chorus; the Marrickville Salvation Army Band, broadcast from Mt. St. Mary's; Miss Edna Lister (contralto); Mr. William Everard (tenor); Wemyss Street, Marrickville; Mr. Dud Osborne (descriptive artist); Mr. Jack Elliott (imitator); Mr. Bert Warne (comedian); weather report and forecast; Miss Gladys Verno (soprano); Marrickville Salvation Army Band; Miss Edna Lister; Mr. William Everard; resume of following day's programme; Dud Osborne and Bert Warne in song and patter.

10.15 p.m.—Cec. Morrison and his Gloomchasers, broadcast from the ballroom of the Bondi Casino. During intervals between dances "Sun" news will be broadcast.

### FRIDAY.

#### Morning Session.

11.0 a.m.—G.P.O. clock and chimes. Weather report, shipping information, stock reports, market reports, sporting news from the "Sun." Musical programme from the studio.

#### Afternoon Session.

2.0 p.m.—G.P.O. clock and chimes. Talk to children and special entertainment for children in hospital. Sporting talk, social notes, news from the "Sun," musical programme, announcements, serial story, market reports, resume of night's programme.  
5.0 p.m.—G.P.O. clock and chimes. Close down.

#### Early Evening Session.

5.45 p.m.—G.P.O. clock and Chimes. Children's hours—"Uncle George" and the kiddies. Musical programme from the studio.

**Evening Session.**

8.0 p.m.—G.P.O. clock and chimes. Broadcasters' Topical Chorus; Mr. Roger Jones (baritone); Miss Veda Lawrence (soprano); Ward Lear and Will Kenny in a laughing, singing and whistling turn; Broadcasters' All-Sports' Expert will talk on "Football"; Broadcasters' Trio; weather report and forecast; Mr. Sydney Hollister (comedian); Miss Nellie M. Ferguson (songs at the piano); Babs Duggan and Norman Barrington, in one of the vaudevillainies; Broadcasters' Trio; resume of following day's programme; Mr. Roger Jones; the Sporting Editor of "The Sun" will talk on the prospects of Saturday's racing; Miss Veda Lawrence; Miss Nellie M. Ferguson; news items by courtesy of "The Sun"; Mr. Sydney Hollister; Broadcasters' Trio.

**SATURDAY.****Morning Session.**

11.0 a.m.—G.P.O. clock and chimes. Weather report, shipping information, stock reports, market reports, sporting news from the "Sun." Musical programme from the studio.

**Afternoon Session.**

1.15 p.m.—Talk on sporting and athletic fixtures for the day. During the afternoon sporting information will be broadcast by courtesy of the "Sun," interspersed with musical programme from the studio. Various games will be described. Musical programme Resume of day's racing.

**Early Evening Session.**

5.46 p.m.—G.P.O. clock and chimes.  
5.46 p.m.—"Uncle George" and the kiddies. Results of all sporting information by courtesy of the "Sun." Country news.

**Evening Session.**

8.0 p.m.—G.P.O. clock and chimes. Broadcasters' Topical Chorus. Sporting programme—studio items by the following artists: Mr. Dudley Helmrich (baritone); Miss Hilda Walker (soprano); Broadcasters' Trio.

10.15 p.m.—The Ambassadors Dance Band, broadcast from the ballroom of the Ambassadors. During intervals between dances "Sun" news will be broadcast.

11.0 p.m.—G.P.O. clock and chimes. National Anthem.

**SUNDAY.****Morning Session.**

10.45 a.m.—Special news service.

11.0 a.m.—Service from Randwick Presbyterian Church.

**Afternoon Session.**

3.30 p.m.—United children's service.

4.30 p.m.—Bible class conducted by Mr. W. "Cairo" Bradley.

5.15 p.m.—Close down.

**Early Evening Session.**

5.45 p.m.—Children's service.

**Evening Session.**

7.0 p.m.—Service from Petersham Baptist Church.

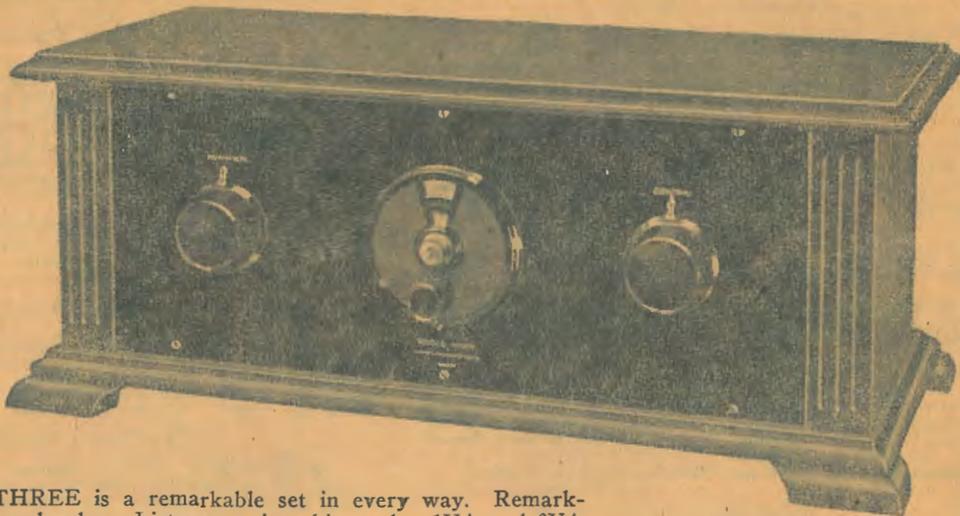
8.30 p.m.—Band recital by the North Sydney Tramway Band.

9.45 p.m.—Weather report and forecast; resume of following day's programme. Violin recital from the studio of Mr. Gerald Walenn.

10.9 p.m.—National Anthem.

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# Station 3LO

## SUNDAY.

### Morning Session.

11.0 a.m.—Service from Scots Church, Melbourne.  
12.15 p.m.—Close down.

### Afternoon Session.

2.15 p.m.—Richmond City Band.  
3.0 p.m.—Pleasant Sunday afternoon—Wesley Mission.  
4.30 p.m.—Close down.

### Evening Session.

5.30 p.m.—Children's hour. Answers to letters and birthday greetings. Musical programme.

### Night Session.

7.0 p.m.—Service from St. Paul's Cathedral, Melbourne.  
8.31 p.m.—Malvern Tramways Band, march, "Misterioso," overture, "Poet and Peasant"; Elsa Stralia (soprano), "Angels Guard Thee," "There is No Death"; Malvern Tramways Band, cornet duet, "Forest Warblers," Bandsmen Alway and Zillies; Stephanie Deste and Howard Edie (Shakespearean recital), balcony scene from "Romeo and Juliet"; Malvern Tramways Band, selection, "Stephen Adams' Songs"; Elsa Stralia (soprano), "Mussetta Aria," "Coming Home"; Edouard Lambert (violin), "Concerto," "Ave Maria"; "Argus" news service: announcements; Malvern Tramways Band, trombone quartette, "Drei Equale."  
9.50 p.m.—British official wireless news; meteorological news.  
10.0 p.m.—God Save the King.

## MONDAY.

### Morning Session.

12.1 p.m.—News service and musical items from the studio.  
2.0 p.m.—Close down.

### Afternoon Session.

3.0 p.m.—Musical numbers and talks from the studio; news service.  
5.0 p.m.—Close down.

### Evening Session.

5.40 p.m.—Children's Hour—answers to letters, and birthday greetings. Musical programme for children.  
6.35 p.m.—News services, commercial information.  
7.15 p.m.—Under the auspices of the Develop Australia League—Mr. J. J. Waldron—"Central Australia."  
7.30 p.m.—Mr. E. C. H. Taylor—"School Life and School Sport."  
7.45 p.m.—Under the auspices of the Department of Agriculture—Mr. R. N. Wardle (Veterinary Officer)—"Lamb Marking."

### Night Session.

8.0 p.m.—Rev. R. G. Nichols will speak on "St. Mark's Social Settlement—Fitzroy."  
8.7 p.m.—Waltz, "Blue Danube," Studio Orchestra; "She Wore a Wreath of Roses," Hugh Huxham (tenor); "I See You've Got Your Old Brown Hat On," Johnny Marks (comedian); "Bonnie Dundee," Studio Orchestra; "Dear Heart," Edith Huxham (soprano); "Romany Lass," Renn Miller (bass); "The Drum Major," Studio Orchestra; "John Peel," "My Bonnie is O'er the Ocean," "Sweet Genevieve," Orpheon Choristers; "Highland Schottische," Studio Orchestra; "Remembers Me No More," "Ben Bolt," Madoline Knight (contralto); "Imperial Lancers," "Madam I Fear," Studio Orchestra; "I'm Billy Muggins," Johnny Marks (comedian); "Silver Threads Among the Gold," "Little Brown Jug," Orpheon Choristers; "Little Brown Jug," Orpheon Choristers; "Il Bacio," Studio Orchestra; "Love's Old Sweet Song," Dolly Burdette (contralto); "When You and I Were Young, Maggie," Alfred Andrew; "Pop Corn," Studio Orchestra; "Wooloomooloo," Johnny Marks (comedian) and company; "Say Au Revoir," Hugh Huxham (tenor); "Varsoviana," Studio Orchestra; "When Other Lips," Edith Huxham (soprano); "Old Black Joe," "Old Kentucky Home," Orpheon Choristers; "The Albert Quadrilles," Studio Orchestra; "Queen of the Earth," Renn Miller (bass); "Larboard Watch," Renn Miller and Hugh Huxham; "Argus" news, meteorological information, announcements; "Boating on the Danube" (waltz), Studio Orchestra; "Good Night, Ladies," "Bank o' Loch Lomond," Orpheon Choristers; "Royal Irish Quadrilles," Studio Orchestra; "Juanita" and "John Brown,"

Orpheon Choristers; "Estudiantina," Serenader Quartette; Johnny Marks (comedian); Joe Aronson and his Synco-Symphonists.

11.7 p.m.—Joe Aronson and his Synco-Symphonists.  
11.40 p.m.—God Save the King.

## TUESDAY.

### Morning Session.

12.1 p.m.—Musical numbers and news service.  
2.0 p.m.—Close down.

### Afternoon Session.

3.0 p.m.—Musical numbers from the studio, talks and news service.  
5.0 p.m.—Close down.

### Evening Session.

6.35 p.m.—News services; commercial information.  
7.15 p.m.—Under the auspices of the Town Planning Association—Commissioner W. A. Wharington will speak on "Pre-Planning Glen-Waverley District."  
7.30 p.m.—Under the auspices of the University Extension Board—Mrs. Rosenblum, M.A., will speak on "Some Notes on"  
7.45 p.m.—Mr. Frank Smiley, "Early Coaching Days in the Staging of an Elizabethan Drama."  
Victoria."

### Night Session.

8.0 p.m.—St. Kilda Brass Band, march "Narworth Castle," "A Japanese Dance"; Elsa Stralia (soprano), "O Lovely Night," "Inter Nos"; George Hyde (one-mile and three-mile Australasian champion), "The Forthcoming Cross Country Australasian Championship"; Harold Elvins (piano recital), "Impromptu F-Major," "At the Fountain," "Sad Birds," "Water Fountains"; St. Kilda Brass Band, "Wautz Senta"; announcements; Frank Foster (late tenor, Royal Opera Covent Garden) and Robert Needham (baritone, late Garrick, Palace and Dalys Theatres, London)—"So Fair a Flower" (Frank Foster), "E'en Bravest Heart" (Robert Needham), "Battle Eve" (duet); description of Victorian Amateur Billiard Championship Final; Elsa Stralia (soprano), Prelude, "You in a Gondola"; Al Karasick (heavyweight wrestling champion of Russia), "My Experiences in Siberia"; St. Kilda Brass Band, selection, "Mikado"; Sidney Burchall (baritone), "Joggin' Along the Highway," "Cloz Props."  
9.55 p.m.—Second Act of "Rose Marie"—transmitted by permission of J. C. Williamson Ltd. A musical play, a romance of the Canadian Rockies. The characters: Sergeant Malone (James Hughes); Lady Jane (Yvonne Banvard), Black Eagle (George Bryant), Emile La Flamme (Lou Vernon); Edward Hawley (Noel Allan); Wanda (Stephanie Deste), Hard-Boiled Herman (Frederic Bentley), Jim Kenyon (Reginald Dandy), Rose Marie La Flamme (Harriet Bennet), Ethel Brander (Mabel Lambeth). Scene 1: A Novelty Shop in Quebec. Scene 2: Grand Ballroom, Chateau Frontenac, Quebec; Scene 3: Impression—the cellar of a hotel on the River Front, Quebec; Scene 4: on a Hill near Kootenay Pass; Scene 5: "The Castle." Musical Numbers: Opening chorus, "Only a Kiss" (trio); "Finaletto" (sextette), "Empire March and Gavotte," "Minute of the Minute" (song and dance); "Wanda Waltz" (dance), "Door of My Dreams" (song), "Bridal Finale."  
10.55 p.m.—Meteorological information; British official wireless news; "Argus" news; sporting notes by "Olympus."  
10.10 p.m.—Joe Aronson's Synco-Symphonists.  
11.40 p.m.—God Save the King.

## WEDNESDAY.

### Morning Session.

12.1 p.m.—Musical items and news services.  
2.0 p.m.—Close down.

### Afternoon Session.

3.0 p.m.—Musical numbers from the studio; talks and news services.  
5.0 p.m.—Close down.

### Evening Session.

5.40 p.m.—Children's hour—answers to letters, and birthday greetings.  
6.35 p.m.—News services; commercial information.  
7.15 p.m.—Under the auspices of the Department of Agriculture—Mr. W. R. Jewell (Agricultural Research Chemist) "Valuing Fertilisers."  
7.30 p.m.—Story of a trip to Russia by an Australian—Part 3.  
7.45 p.m.—Captain C. H. Peters—"Books, Wise and Otherwise"

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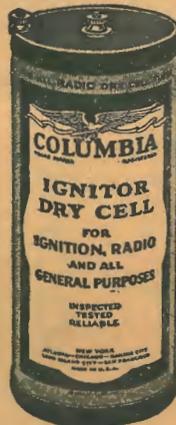
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## Raymond & Blackboro

182 Roma Street (opp. Railway Gates), BRISBANE.

### Night Session.

8.0 p.m.—Orchestral Concert by UUniversity Symphony Orchestra—overture "Figaro," symphony "Unfinished First Movement"; Lillian George (songs)—"The Lonely Steppe," "The Cloths of Heaven," "Diaphenia"; Symphony Orchestra, ballet music from "Rosamunde," "Minuet in A"; Mabel Nelson (songs)—"Whilst I with Grief," "The Fuchsia Tree"; Symphony Orchestra, tone poem "Finlandia," valse "Triste"; Lillian George (songs)—"Obstination," "Pleurez mes yeux," "Hymn to the Sun"; Symphony Orchestra, "Praeludium," "Capriccio Espagnole," "Flying Dutchman"; Mabel Nelson and Lillian George—"Duet from Lohengrin"; Symphony Orchestra, "Fete Boheme," "Introduction to Third Act of Lohengrin," "Marche Hongroise"; Foster and Needham, song "When Bright Eyes Glimmer" (Foster); "Larboard Watch" (duet), song "Shipmates of Mine" (Needham); meteorological information, British official wireless news; Mildred and Connie—accordeons "Take in the Sun," banjoline duet "Nobody's business," harp solo "Because"; "Argus" news service, announcements; Sidney Burchall (baritone), "Corisande," "Heaven of Tenderness"; Joe Aronson's Synco-Symphonists.

11.1 p.m.—Joe Aronson's Synco-Symphonists.

### THURSDAY.

#### Morning Session.

12.1 p.m.—Musical items; news services.

2.0 p.m.—Close down.

#### Afternoon Session.

3.0 p.m.—Musical numbers from the studio, talks and news services.

5.0 p.m.—Close down.

#### Evening Session.

5.40 p.m.—Children's hour—answers to letters and birthday greetings.

6.35 p.m.—News services; commercial information.

#### Night Session.

7.45 p.m.—Miss Thurza Rogers, (late Premiere Danseuse, of the Pavlova Company, now appearing in "Frasquita" at the Theatre Royal) will speak to you from her dressing room, by permission of J. C. Williamson.

8.0 p.m.—Mr. Rod McGregor, "Football—Prospects of the Carnival"; Joe Aronson's Synco-symphonists; Frank and Frances Luiz, Song, "Like No A Like"; Joe Aronson's Synco-symphonists; Elsa Stralia (soprano) "My Liege Lady"; Joe Aronson's Synco-symphonists; Mildred and Connie, Song with piano and violin, "Sweet Little Loa"; Joe Aronson's synco-symphonists; Elsie symphonists; Frank and Frances Luiz (Duet) "My Hapahaale Hula Girl"; Joe Aronson's Synco-symphonists; Elsa Stralia Bower and Billy Rutherford, "Patter"; Joe Aronson's synco-British official wireless news, sporting notes by "Olympus," "Because"; Joe Aronson's Synco-symphonists; Mildred and Connie, song with piano, "Mine all Mine"; Joe Aronson's Synco-symphonists; Meteorological information, "Argus" news service, announcements; Elsie Bower and Billy Rutherford (Duet) "Study of an American Negro"; Joe Aronson's Synco-symphonists; Frank and Frances Luiz (Duet) "Honolulu"; Joe Aronson's Synco-symphonists; Elsa Stralia (soprano) "Thank God for a Garden"; Joe Aronson's Synco-symphonists.

11.1 p.m.—Joe Aronson's Synco-symphonists.

### FRIDAY.

#### Morning Session.

12.1 p.m.—Musical items; news services.

2.0 p.m.—Close down.

### Afternoon Session.

3.0 p.m.—Musical items from the studio, talks and news services.

5.0 p.m.—Close down.

### Evening Session.

5.40 p.m.—Children's hours—answers to letters and birthday greetings.

6.35 p.m.—News services! commercial information.

### Night Session.

7.15 p.m.—Under the auspices of the Department of Agriculture—Mr. J. T. Ramsay (Potato Expert) will speak on "Preparation for Planting Potatoes."

7.30 p.m.—Studio Orchestra, selection "Sally"; Frank and Francis Luiz, song "Pua Mohala," steel guitar "Kohala March," duet "Mauri Girl"; Mr. H. K. Love, "Technicalities"; Collingwood Citizens' Band, march "Never Despair," overture "Silver Star"; Foster and Needham—"Through all the Ages" (Frank Foster); "The Moon Hath Raised" (duet), "Mate o' Mine" (Robt. Needham); Studio Orchestra, "Italian Symphony—First Movement"; Elsa Stralia (soprano), "Anni Laurie," "Coming Home"; Collingwood Citizens' Band, cornet solo "Ben Bolt," fox-trot "Any Ice To-day Lady?"; Capt. Guy Moore (tenor—"The Singing Pilot"), "Poet's Song," "Faery Song"; Tasma Tiernan (cello), "Romance"; announcements; Elsie Bower and Billy Rutherford, duet "I Suppose You Think That's Clever," jazz song "Walla Walla"; Studio Orchestra, "Italian Symphony"; Elsa Stralia (soprano), aria "Mimi," "Pale Moon"; "Cardigan" will speak on Saturday's races; Collingwood Citizens' Band, selection "The Gondoliers"; Capt. Guy Moore (tenor)—two old English songs—"Drink to Me Only," "Sigh No More, Ladies"; meteorological information, road notes by the Royal Automobile Club of Victoria; Studio Quartette, "Quartet"; Mr. C. J. Williams will speak on to-morrow's Stadium event; Collingwood Citizens' Band, grand fantasia "A Sailor's Life"; "Argus" news service, British official wireless news, announcements; Sidney Burchall (baritone), "Billy Boy," "Her Greatest Charm"; Joe Aronson's Synco-Symphonists.

11.1 p.m.—Joe Aronson's Synco-Symphonists.

### SATURDAY.

#### Morning Session.

12.1 p.m.—Musical items and news services.

2.0 p.m.—Close down.

#### Afternoon Session.

3.0 p.m.—Musical numbers from the studio, talks and news services.

5.0 p.m.—Close down.

#### Evening Session.

5.30 p.m.—Sporting results.

5.40 p.m.—Children's hour—"Little Miss Kookaburra."

6.35 p.m.—News services; commercial information.

7.15 p.m.—Mr. R. Rawson will speak on "Esperanto."

7.30 p.m.—Mr. F. Chapman (of the National Museum)—"Barnacles."

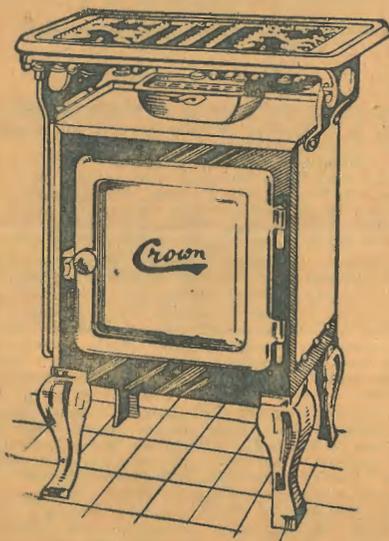
7.45 p.m.—A story of a trip to Russia by an Australian—Part 4

### Night Session.

8.0 p.m.—Newport Workshops Brass Band, selection "Mikado"; Elsa Stralia (soprano), "Softly Awakes My Heart," "Angels Guard Thee"; Newport Workshops Brass Band, waltz "Cornflowers and Poppies"; Melbourne Choral Union, chorus "Happy and Light," "Johnny Sands," "Come to the Fair"; Mildred and Connie, song with piano and violin "Sweet Little Loa," accordion and violin "Excerpt from Slavonic Rhadsop," accordion and violin "Only For You"; Newport Workshops Band, march "Toreador"; a travelogue, "My impressions of the Far East," by a Native of the West; Newport Workshops Brass Band, selection "I'Ailesiemme"; Ethel Forshaw (soprano), "Winds in the Trees," "The Elf Man"; Agnes Fortune, piano recital; news service; Ethel Forshaw (soprano), "The Asia," "Only the River Running By"; Newport Workshops Band, march "Sons of the Wild"; Elsie Bower and Billy Rutherford, duet "One Smile," duet "Grandfather's Whiskers"; Newport Workshops Brass band, entracte "Siziliatta"; Foster and Needham, "Another Girl I'm Fond Of" (Frank Foster), "Excelsior" (duet), "At My Lady's Feet" (Robt. Needham); late sporting announcements; Joe Aronson's Synco-Symphonists.

11.1 p.m.—Joe Aronson's Synco-Symphonists.

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By the Way they're made"



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## Station 2FC

SUNDAY.

Morning Session.

11.0 a.m.—From St. Mark's Church of England, Darling Pt.—the morning service.  
12.30 p.m.—Close down.

Afternoon Session.

3.0 p.m.—From the Lyceum Hall, Pitt Street—the pleasant Sunday afternoon service by the Central Methodist Mission.  
5.0 p.m.—Close down.

Night Session.

6.20 p.m.—From the Petersham Congregational Church—an organ recital by Mr. Christian Hellemann.  
7.15 p.m.—From the Congregational Church, Petersham—the evening service.  
8.30 p.m.—The Manly Municipal Band.  
8.30 p.m.—From the Studio:—Walter Kingsley (baritone), "Ideals"; Lionel Lawson (violinist); Walter Kingsley (baritone), (a) "You Lovely Thing," (b) "Thou Art Risen My Beloved"; Lionel Lawson (violinist); Walter Kingsley (baritone), "Oh, Could I Express in Song"; Lionel Lawson (violinist).  
10.0 p.m.—National Anthem.

MONDAY.

Morning-Midday Session.

7.15 a.m.—Country Session.

10.0 a.m.—Studio music, "Sydney Morning Herald" news; last minute sporting information.

2.0 p.m.—"Big Ben." Close down.

Afternoon Session.

3.0 p.m.—Programme announcements, studio music, and vocal items.

Early Evening Session.

5.45 p.m.—The chimes of 2FC; the "Hello Man" talks to the children; dinner music.

7.0 p.m.—"Big Ben," late sporting news; Dalgety's market reports (wool, wheat, stock); fruit and vegetable market; weather and shipping intelligence, stock exchange, late "Evening News" news service.

Night Session.

7.40 p.m.—Programme announcements.

7.45 p.m.—M. Maurice Byrn—a talk in French—"La Santa."

8.0 p.m.—From the Haymarket Theatre: The Haymarket Operatic Orchestra. From the Wairoonga Town Hall: Items from the annual concert by the North Sydney Orpheus Club, including items by the new bass-baritone, Laurence Macaulay—(a) "The Lute Player," (b) "A King's Man." From the Studio: Mrs. W. A. Holman in the first of a series of studio lecturettes—No. 1, "Notabilities of the House of Commons"; E. P. Kerry (cornet solo) From the Haymarket Theatre: A musical act by "Bryght and Carlyon." From the Studio:—Madame Evelyn Grieg (pianiste) will continue her musical talks on Negro Spirituals—(a) "Gwin-a Lay yDown Mah Burden," (b) "Little David Play on Your Harp"; E. P. Kerry (cornet solos); music competition No. 1, in which Mr. Ewart Chapple plays selections from a well-known musical work, and listeners are invited to send in their solution. From the Wairoonga Town Hall: Further items from the annual concert by the North Sydney Orpheus Club, including items by Laurence Macaulay (bass-baritone), (a) "Back from the Sea," (b) "Invictus." From the Studio: E. P. Kerry (cornet solos); Madame Evelyn Grieg—continuation of musical lecturette on Negro Spirituals—(a) "Sometimes I Feel Like a Motherless Child," (b) "Tis Me, O Lord." The Haymarket Theatre Orchestra; the Wentworth Symphonic Dance Orchestra; late news and announcements; the Wentworth Symphonic Dance Orchestra.

11.15 p.m.—Close down.

## TUESDAY.

## Morning-Midday Session.

7.15 a.m.—Country Session.  
 10. a.m.—"Big Ben." Studio music, news services, racing notes.  
 12.0 noon—"Big Ben." Announcements, weather information, studio music, news services.  
 2.0 p.m.—Close down.

## Afternoon Session.

3.0 p.m.—Studio Concert, interspersed with music from Farmers Tea Rooms.  
 5.0 p.m.—"Big Ben." Close down.

## Early Evening Session.

5.45 p.m.—The chimes of 2FC; the "Hello Man" talks to the children; dinner music.

## Night Session.

7.40 p.m.—Programme announcements.  
 7.45 p.m.—Madame Betts Vincent, in continuation of her musical lectures, will deal this evening with "Schumann." From the Darlington Town Hall: The Metropolitan Band—(a) march, "B.B. and C.F.," (b) song "My Dreams," (c) overture "Kenilworth"; a talk by Mr. S. H. Bowden on Siena's Unique Horse Race"; the Metropolitan Band—(a) waltz "Will o' the Wisp," (b) two-step "The Glacier," Gems from "The Girl on the Film," presented by the principals and chorus of the Roseville Musical Society. The Metropolitan Band, selection "La Traviata"; Sydney Calland (baritone)—(a) "Give Me Your Hands," (b) "If to See Thee." Gems from "The Girl on the Film," presented by the Roseville Musical Society. Alexander Sverjensky (pianist)—(a) "Elegy," (b) "Impromptu," (c) "Rustic Dance"; the Metropolitan Band, march "Twentieth Century"; Sydney Calland (baritone), "Fate"; music in convulsions—part 1; Alexander Sverjensky (pianist)—(a) "Nocturne in F-Sharp Minor," (b) "Etude in F-Minor"; Al Jack and his "Crackerjacks," dance music from the studio; Celebrity records; Al Jack and his "Crackerjacks," dance music from the studio; late news and announcements; Al Jack and his "Crackerjacks," in popular numbers.  
 11.15 p.m.—Close down.

## WEDNESDAY.

## Morning-Midday Session.

7.15 a.m.—Country Session.  
 10.0 a.m.—"Big Ben." Studio music, news services, etc.  
 12.0 noon—"Big Ben." and programme announcements; studio music, weather information and news services.  
 2.0 p.m.—"Big Ben." Close down.

## Afternoon Session.

3.0 p.m.—Studio Concert, interspersed with music from Farmers Tea Rooms.  
 5.0 p.m.—Close down.

## Early Evening Session.

5.45 p.m.—The chimes of 2FC. The "Hello Man" talks to the children; "Uncle Rus" and "Jerry"; dinner music.

## Night Session.

7.40 p.m.—Programme announcements; studio music.  
 8.0 p.m.—The Lyric Wintergarden Theatre Orchestra, Jimmy Elkin's and his jazz band.  
 8.10 p.m.—From the King's Hall, Sydney—on the occasion of the presentation by His Excellency the Governor, Sir Dudley de Chair, of the cheques to the various hospitals, being the collections for the year of the Saturday Hospital Fund; a programme has been arranged by 2FS, including the following artists:—Daisy Richards (violinist), (a) "On Wings of Song," (b) "Berceuse"; Frank McEacheran (basso), (a) "The Floral Dance," (b) "You Along o' Me"; Edith Harry (songs at the piano), (a) "Australian Nursery Ahymes," (b) "Mother's Song," (c) "Yon"; Jack Win and Nora Windle in a comedy sketch entitled "Railway Revelations"; Harry Thomas (elocutionist).  
 9.0 p.m.—From the Studio:—Mr. W. F. Kay in a new series of stage talks, No. 1 "The Lure of the Footlights"; the Lyric Wintergarden Theatre Orchestra; Frank McEacheran (basso)—(a) "Up From Somerset," (b) "In a Cellar Cool"; Win and Windle, in a radio sketch; Ewart Chapple (pianoforte solo); Daisy Richards (violinist)—(a) "Meditation," (b) "Serenade"; the Lyric Wintergarden Theatre Orchestra; Ewart Chapple (piano solo); Harry Thomas (elocutionist); the Lyric Wintergarden Theatre Orchestra; Dancing session conducted by Len Maurice; late news and announcements; dancing session arranged by Len Maurice.

## THURSDAY.

## Morning-Midday Session.

7.15 a.m.—Country Session.  
 11.0 a.m.—News services, weather information, music from the studio, talks, etc.  
 2.10 p.m.—Close down.

## Afternoon Session.

3.0 p.m.—Studio Concert, interspersed with music from Farmers Tea Rooms.

## Early Evening Session.

5.45 p.m.—The chimes of 2FC. The "Hello Man" talks to the children. Dinner music.  
 7.50 p.m.—Talk by the Technical Editor of "Wireless Weekly."

## Night Session.

7.40 p.m.—Programme announcements.  
 7.45 p.m.—A talk by the Technical Editor of "Wireless Weekly."  
 7.58 p.m.—In commemoration of the outbreak of the Great War, 4th August, 1914.  
 8.0 p.m.—The Randwick Municipal Band; Percy McKay (basso)—(a) "The Two Grenadiers," (b) "The Floral Dance," (c) "Youth"; the fifth broadcast sketch produced by Edgar Warwick, assisted by Eileen Dawn, "Count Before You Speak"; the Randwick Municipal Band; Ad. Cree (Scotch comedian), "Geordie's Wedding Day"; Percy McKay (basso), "Drake Goes West"; the Randwick Municipal Band; music competition No. 2, in which Mr. Cliff Arnold will take listeners in the intricacies of a musical steeplechase; Mischa Dobrinski (violinist)—(a) "Swing Song," (b) "Habenera"; a book review by Mr. Grattan Smith; the Randwick Municipal Band; Nellie Chadwick (soprano), "Morning"; Ad. Cree (Scotch comedian), "Nancy McIntosh"; Percy McKay (basso)—(a) "The Sea Road," (b) "Neptune"; the Randwick Municipal Band; Nellie Chadwick (soprano), "Open Thy Blue Eyes"; Mischa Dobrinski (violinist)—(a) "Andantino," (b) "Siciliano and Riganden"; Ad. Cree (Scotch comedian), "I'm 94 This Morning"; dancing session conducted by Len Maurice; Nellie Chadwick (soprano), "The Winds are Calling"; dancing session; late news and announcements; dancing session arranged by Len Maurice.

## FRIDAY.

## Morning-Midday Session.

7.15 a.m.—Country Session.  
 10.0 a.m.—"Big Ben." and announcements; studio music, news services, etc.  
 2.0 p.m.—"Big Ben." Close down.

## Afternoon Session.

3.0 p.m.—Studio Concert, interspersed with music from Farmers Tea Rooms.  
 5.0 p.m.—"Big Ben." Close down.

## Early Evening Session.

5.45 p.m.—The chimes of 2FC. The "Hello Man" talks to the children; a serial story; dinner music.  
 7.0 p.m.—"Big Ben." Last minute sporting information by the 2FC racing commissioner; Dalgety's market reports, fruit and vegetable markets, weather and shipping intelligence, stock exchange, late "Evening News" news service.

## Night Session.

7.40 p.m.—Programme announcements.  
 7.45 p.m.—Brunton Gibb (elocutionist). From the Lindfield Theatre, Lindfield:—The Humphrey Bishop Revue Company, introducing new songs and acts; the artists include Humphrey Bishop, Walter Kingsley, Scotch and Ross, Arthur Helmsley, Eleanor May, "The Ragtime Four," John Montford, Thelma Tradd, and others. From the Studio:—Harrison White (banjo solos)—(a) "At Peace with the World," (b) "Don't Sing Aloha When I Go"; Donald Mack (baritone), "The Ballad Monger"; Win and Windle (English entertainers); Harrison White (banjo solo), "Honolulu Moon"; Alice Prowse (contralto), song cycle "The Mill o' Dreams," "Back o' the Moon"; Win and Windle (English entertainers); Donald Mack (baritone), "A Farewell"; Harrison White (banjo solo), "Hello Bluebird"; Alice Prowse (contralto), song cycle "The Mill o' Dreams," "Dream o' Nights," "The Man in the Moon"; Win and Windle (English entertainers); Alice Prowse (contralto), song cycle "The Mill o' Dreams," "Bluebells"; Donald Mack (baritone)—(a) "The Land of the Harlequinade," (b) "New Sleeps the Crimson Petal"; Hal. Vane's Orchestra, dance numbers from the studio; Peggy Feat (soubrette); Hal. Vane's Orchestra, popular dance items; late news and announcements; Peggy Feat (soubrette); Hal. Vane's Or-

DIAMOND "A," "B" AND "C" RADIO BATTERIES ARE BETTER.

chestra, dance numbers; Peggy Peat (soubrette); Hal. Vane's Orchestra, dance numbers; Peggy Peat (soubrette); Hal Vane's Orchestra, dance numbers.

## SATURDAY.

### Morning, Midday and Afternoon Session.

7.15 a.m.—Country Session.  
10.0 a.m.—"Big Ben." Announcements, studio music, news services, etc.  
5.0 p.m.—"Big Ben." Close down.

### Early Evening Session.

5.45 p.m.—The chimes of 2FC. The "Hello Man" talks to the children; serial story; dinner music.

### Night Session.

7.40 p.m.—Programme announcements; studio music.  
8.0 p.m.—The Crystal Palace Theatre Orchestra, "Raymond" overture, and other orchestral items; the "Sparklers," opening chorus; Ernest Archer (tenor), "Silver Threads Among the Gold"; just a little dance, fox-trot; Maida Jones (soubrette), "Sweet Child"; a "Sparklers" sketch; Peggy Dunbar (contralto), "Old Folks at Home"; Brunton Gibb, "Humorosities"; Wilfrid Thomas (basso), "In Cellar Cool"; Charles Lawrence, a few more laughs; a "Sparklers" sketch, "Radio in 1935"; Maida Jones (soubrette), "Bluebird"; Peggy Dunbar (contralto), "Oh, Promise Me"; Rus Garling, burlesque "The Wireless Handicap"; another dance; Ernest Archer (tenor), "Kathleen Mavourneen"; old sparkles by the "Sparklers"; a few words from "Jerry"; another little chorus—then good night; the Crystal Palace Theatre Orchestra; Ernest Archer (tenor); Maida Jones (soubrette); the Crystal Palace Theatre Orchestra; the Wentworth Symphonic Dance Orchestra; late news and announcements; the Wentworth Symphonic Dance Orchestra, popular numbers.

## 5CL.

(Adelaide).

11.30 a.m. to 2.0 p.m.—News, music, etc.  
3.0 p.m. to 5.0 p.m.—Music, news.  
6.30 p.m.—Children's stories.  
8.0 p.m. to 10.0 p.m.—Musical programme.  
(Note: Adelaide time is half-an-hour behind Brisbane time.)

## 6WF.

(Perth).

12.35 p.m. to 2.0 p.m.—News and music.  
3.30 p.m. to 4.30 p.m.—Musical programme  
7.0 p.m.—Children's stories.  
8.0 p.m. to 10.0 p.m.—Musical programme.  
(Note: Perth time is 2 hours behind Brisbane time.)

## 7ZL.

(Hobart).

11.0 a.m. to 12.0 (noon)—News and music.  
3.0 p.m. to 4.0 p.m.—Musical programme.  
7.0 p.m.—Children's stories.  
8.0 p.m. to 10.0 p.m.—Musical programme.

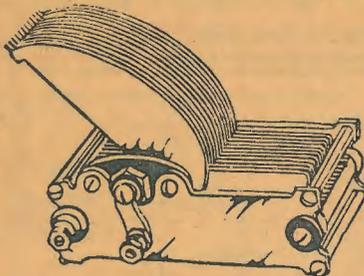
TRADES HALL

## 2KY.

(Sydney).

12.15 p.m. to 1.45 p.m.—News and music.  
Tuesdays and Thursdays: 3.15 p.m. to 2.45 p.m.—Music.  
Monday, Tuesday and Friday: 6.30 p.m.—Children's stories.  
Daily: 8.0 p.m.—Musical programme.

## BURGESS MAKES A, B, and BATTERIES



## STRAIGHT LINE FREQUENCY CONDENSERS

THIS CONDENSER is an improved straight-line frequency, having solid spacing bars, with an entirely new means of insulation. Receives all broadcasting stations evenly over the sweep of the dial in exact ratio with the transmitting frequency. Eliminates station-bunching and increases selectivity.

.00025 — 9/6  
.00035 — 10/-  
.0005 — 10/6

Think, Buy,  
and Use  
"Advance"  
Parts

Ask  
Your  
Dealer

Manufactured in Australia by

**RADIO CORPORATION OF AUSTRALIA PTY. LTD.**

MELBOURNE SYDNEY BRISBANE ADELAIDE

Wholesale Distributors for Queensland

**EDGAR V. HUDSON**  
Charlotte St Brisbane

and

**HOME RADIO SERVICE**  
Adelaide St. Brisbane

## 3AR.

11.30 a.m. to 1.0 p.m.—News and music.  
 6.45 p.m.—Children's stories.  
 8.0 p.m.—Children's stories.  
 8.0 p.m. to 10.30 p.m.—Musical programme.

### Vic. Jensen's Competition

On "The Bedtime Hour Page" a week or two ago we made reference to a competition for re-christening "Uncle Mike," giving children the choice of four names—from which to make their selection

These names were:—

**UNCLE DICK**  
**UNCLE JOE**  
**UNCLE MIKE**  
**UNCLE BERT**

Children were asked to vote for the name they preferred, and to enclose their vote in an envelope addressed "Voting Competition," c/o "Uncle Ben," Station 40G, Brisbane. All the votes of the winning title will be assembled, and from these the prizes will be drawn.

This competition is being run in conjunction with Mr. Vic Jensen, of Vic Jensen Ltd., Brisbane, who has offered 10 handsome prizes for the fortunate winners.

These prizes, which are on display in Vic Jensen's Queens Street window, comprise:—

#### Two First Prizes—

Girl: Tennis racquet or pair of shoes.  
 Boy: Duncan Thompson football or pair of boots or shoes.

#### Two Second Prizes—

Girl: Pair of shoes.  
 Boy: Pair of boots or shoes.

#### Six Consolation Prizes—

Of a cabinet photograph of "Uncle Mike" and "Uncle Ben."

#### A GIFT FOR EVERY CHILD.

Mr. Jensen has now made the announcement that every child who votes will receive a novelty card with a picture of "Uncle Mike" that changes his face every time you move it.

So whether you win a prize or not every child should vote—and receive one of these very clever novelty cards.

Most radio lovers agree that the only satisfactory way of listening is via a loud-speaker, but the where-withal is not always available. An announcement by Amplion (Australasia) Limited of a drastic reduction in the prices of their "Cabinette" speakers is, therefore, of considerable interest to the reader with only a slender purse. At 50/- the oak model is wonderful value. Chaste in appearance, capable of a really good performance, and backed by the Amplion guarantee and service, this British-made loud-speaker is worthy of the consideration of everyone who desires "better radio reproduction." The mahogany model is now listed at 57/6.

DIAMOND DRY CELLS ARE POWERFUL AND SILENT.

## Which would you rather be—Performer or Listener ?

Is there not infinitely more pleasure and satisfaction derived from playing the music yourself, than from merely listening to another?  
 With a

## Victor Expression Player Piano

you can immediately commence taking an active part in producing the music you love.

Moreover, you will possess the means to render just exactly the music you prefer in the way you prefer to hear it.

Allow your personal taste full scope. Make music as you desire it, rather than accept it as given by another whose taste is perhaps quite the opposite of yours.

Call and permit us to demonstrate the Expression Victor and to explain how we can make you a skilful pianist.

We arrange Small Deposits and Easy Terms.

**PALINGS** 86-88 Queen Street,  
 BRISBANE

AND AT TOOWOOMBA, ROCKHAMPTON, AND TOWNSVILLE.

# A Modern Furniture House

Messrs. John Hicks & Company Limited have been associated with furniture and furnishings for over half a century, and to-day the "Hixco" factory is the largest furniture factory, attached to a retail furniture warehouse, in Queensland. Indeed, it is considered that few others are larger than it in the Commonwealth.

The Managing-Director, Mr. H. R. Gale, believes in efficiency, and has seen to it that the whole staff, both at the warehouse and factory, comprises men and women of outstanding ability and experience. The high standard of quality maintained, and the excellent service always rendered, bears ample testimony to the soundness of this policy.

To display the furniture productions and everything connected with the furnishing of a complete home, "Hixco" own a warehouse on the corner of George and Ann Streets, Brisbane, with a floor space of 51,000 square feet. Within this building alone is displayed over £50,000 worth of quality furniture, soft furnishings, carpets and linoleums, cutlery, china and

glassware, household ironmongery, garden tools, baths, stoves, sewing machines, photographs, Manchester goods, blankets, rugs, etc.—in fact, all that pertains to a home.

On the second showroom floor is erected the most unique method of displaying furniture to be found in any part of the Commonwealth. Two completely furnished bungalows from bedroom to bathroom are here displayed in the form of completely furnished homes: Bedroom, dining rooms, smoke rooms and lounges, breakfast rooms, kitchens and bathrooms are fitted out in detail, with furniture and furnishings all of a quality peculiar to the "Hixco" factory and warehouse.

The "Hixco" idea is to serve, not to sell, and these rooms show how it is possible to furnish a home tastefully and without cramming it full of furniture. "Hixco" advise that visitors are at all times welcome to inspect these bungalows and their showrooms without being placed under any obligation whatsoever.

## HIXCO CROCKERY VALUES

### SPECIAL VALUES IN ENGLISH DINNERWARE

**I**VORY Body, new and exclusive shapes made by "Grindley," England.

Dinner Plates .....	5/	½-do.
Pudding Plates .....	4/3	"
Supper Plates .....	2/9	"
Tea or Bread Plates .....	2/3	"
Soup Plates .....	4/9	"
Fruit Saucers, about 4½in. ....	4d	each
Meat Dishes measuring about 10in., 1½; 11in., 1¼; 12in., 1/9; 14in., 3/; 16in., 4/.		
Tea Cups and Saucers .....	4/6	½-do.
Breakfast Cups and Saucers .....	5/6	"

**O**CTAGON Shape Plate with gold edges, made by Johnson and Son, England.

Dinner Plates .....	13/6	doz.
Pudding Plates .....	11/6	"
Supper Plates .....	9/	"
Breakfast Plates .....	7/	"
Soup Plates .....	7/	"
Breakfast Cups and Saucers .....	15/	"
Tea Cups and Saucers .....	12/	"

**TEA SETS—**  
21 Pieces .. 9/6

**DINNER SERVICE—**  
32 Pieces .. 38/6



**TEA SERVICE—**  
21 Pieces 13/ ea.

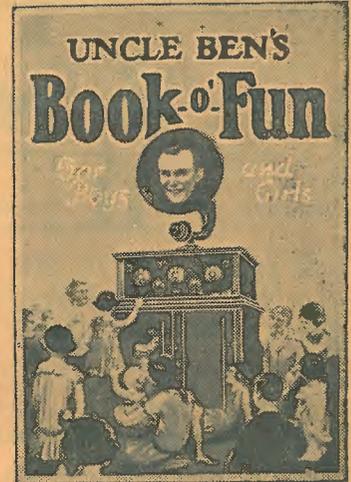
**DINNER SERVICE—**  
36 Pieces 58/6 ea.

"EASILY FIRST FOR FURNITURE AND FURNISHINGS AND ALL ELSE FOR THE HOME"

DIAMOND DRY CELLS GIVE LONG AND HONEST SERVICE.

*Outline of 4QG Programmes for August*

- Monday, August 1st—Organ recital.
- Tuesday, August 2nd—Mr. Erich John's party of radio artists.
- Wednesday, August 3rd—Windsor Municipal Band.
- Thursday, August 4th—Recital by the students of Mr. Leonard Francis.
- Friday, August 5th—W.E.A. music class; Anglo Male Quartette.
- Monday, August 8th—Special recital by the Blackstone-Ipswich Cambrian Choir.
- Tuesday, August 9th—Mr. A. Sharman's party; 9th Battalion smoko.
- Wednesday, August 10th—Studio concert.
- Thursday, August 11th—The Stuart Family Quartette.
- Friday, August 12th—W.E.A. music class; Gaiety Theatre Orchestra.
- Monday, August 15th—Pianoforte recital by Mr. Erich John.
- Tuesday, August 16th—Anglo Male Quartette.
- Wednesday, August 17th—Windsor Municipal Band.
- Thursday, August 18th—Recital by 1000 violins.
- Friday, August 19th—W.E.A. music class; studio concert.
- Saturday, August 20th—M. L. A. Pares' annual concert at Exhibition Hall.
- Monday, August 22nd—Concert from the Croft studio.
- Tuesday, August 23rd—Ithaca Orchestral Society.
- Wednesday, August 24th—Studio concert.
- Friday, August 26th—W.E.A. music class.



THIS IS  
 "UNCLE BEN'S"  
**BOOK  
 O'-FUN**

the jolly story-book that has made thousands of children happy.

Compiled by the bedtime story-tellers at 4QG, and edited by "Uncle Ben."

The last few copies are now being offered. Read particulars on Page 1 and secure a copy before the edition is completely exhausted.

**The Perfect Control for all Valve Filaments**

**CYLDON**  
 (PRONOUNCED SIL-DON)

Every Cyldon TemprYTE is branded with its true resistance—the only correct method.

A Cyldon TemprYTE made for every Valve—No Guesswork.



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**TEMPRYTES**

(They treat your Valves Right.)

Ask for the Cyldon Table of Valves and Temprytes.

Order your Filament Controls by their resistance value.

Be up-to-date and use something better. The day of the old valve destroyer, the variable rheostat, is gone.

Use Cyldon Temprytes and the whole danger of ruining your valves is past.

**THREE REASONS WHY YOU SHOULD USE CYLDON TEMPRYTES**

1st—Temprytes are guaranteed to function perfectly with any valve, providing they are chosen from our valve chart by our formula.

scientifically designed for correct filament temperature calculated from valve maker's data.

2nd—Temprytes cannot overheat your filaments, being

3rd—Temprytes are "wire-wound"—not carbon mixtures or chemical combinations—therefore noiseless. Each one is twice tested during manufacture.

Available at All Radio Dealers

**EDGAR V. HUDSON 55 Charlotte Street, Brisbane**



If you have not yet tried OSRAM Valves in your set, you have yet to experience a new radio thrill.

The mechanical construction of OSRAM Valves is perfect, and its electrical properties are more efficient than most valves in use to-day.

Try OSRAM Valves—there is a type to suit every receiver.

# OSRAM Valves

	Fil Volt	Fil. Cap.	Price
D.E.2 .....	1.8—2	.12	13/6
D.E.3 .....	2.8	.06	13/6
D.E.5 .....	5—6	.25	11/
D.E.5-B .....	5—6	.25	11/
D.E.8 .....	5.6—6	.12	13/6

Made by the Osram Lamp Works—controlled by the British General Electric Coy.—makers of the famous Osram Electric Lamps.

### Our Catalogue

You'll have to act QUICKLY if you want a copy of our Catalogue and Radio Handbook. The first edition is almost exhausted. Send 3d in stamps to-day.

## Wireless House LIMITED

Queensland's Pioneer Radio Supply House

City Buildings, EDWARD ST., BRISBANE

## World Famous Australian Singer at Station 3LO Melbourne

Mme. Stralia, who is broadcasting from 3LO Melbourne, was born in Adelaide, the capital of South Australia, a city which bears the reputation of being the most cultured community in the Commonwealth. She comes of musical stock, her father being a well-known baritone, and her mother a pianiste of note. Her musical studies were begun at the Marshall Hall Conservatory in Melbourne, and her first term brought her a scholarship which encouraged her to definitely adopt a professional career. Her debut in concert took place a short time afterwards, with the Sydney Philharmonic Society, the leading choral organisation of Australia, in the Town Hall, Sydney. Her success was so great and her natural gifts so marked, that on the advice of prominent musicians and critics, she decided to further her studies in Italy.

Mme. Stralia's triumphs in Italy led to her subsequent engagement at the Royal Opera, Covent Garden, London. She at once became a great favourite with the English public, and remained a member of the company until it was disbanded upon the outbreak of war. Her debut took place in the role of Donna Elvira in "Don Giovanni" with John McCormack and Antonio Scotti as her associate artists. Her first appearance as Aida came when she was called to take the place of Mme. Destinn on a few minutes' notice. She took her audience by storm, and was acclaimed one of the greatest exponents of the role ever heard in London. During the several seasons that she remained at Covent Garden she sang leading soprano roles in "Cavalleria Rusticana," "Prince Igor," "Tannhauser," "The Masked Ball," and other operas, and when the opera house was closed her admirers flocked to hear her in many concerts at Albert Hall and Queen's Hall. She also made several tours of the leading cities of the UUnited Kingdom. The exceptional honour was paid her of being called twice to Paris to sing with the famous Lamoureux Orchestra under the baton of Chevillard, who paid her a glowing tribute.

On the advice of Titta Ruffo, with whom she had sung, Mme. Stralia came to America in 1922. In New York she immediately placed herself in the hand of the eminent voice specialist of international fame, Yeatman Griffith. A later introduction to Walter Damrosch led to her being engaged for 12 appearances with the New York Symphony Orchestra. After hearing her Mr. Damrosch said: "I have not heard such a voice since Lilli Lehmann sang." Albert Coates, widely known in America as guest conductor of the New York Symphony, has more than once declared Mme. Stralia to have "the greatest voice in England," an opinion shared by Sir Thomas Beecham, Percy Pitt, and other noted authorities.

Her recent broadcasting season at 3LO Melbourne was an outstanding success, and listeners will be pleased to learn that she is to sing again, her season at the studio commencing on 24th July.

# Wireless Possibilities

BY "H. I. O."

It is a fascinating mental exercise to speculate on the possible developments of such a thing as wireless. The possibilities are practically unlimited, and the fantastic impossibilities of to-day are the common-places of to-morrow.

Comedians on the music hall stage make merry with what they conceive to be legitimate objects of fun simply because they are such incongruities, and yet the future stutifies their mirth.

I remember in this connection the jokes that used to be made on the stage when moving pictures first began to come into vogue, but before anyone realised the full extent of the new invention, then only used for amusement. "Wars," said the comedians, "would have to be postponed because the moving picture outfit had not arrived to take the picture of the commander-in-chief going into battle." It was not even dimly realised that the cinema would be actually an indispensable part of every army's outfit.

I recall this old and almost forgotten mental attitude because I want to write of a fantastic development of wireless which has just been prophesied to me by the representative of Marconi in Australia. In fact it is more than a prophecy. It represents something on which Marconi is working at the present time.

It is the storing of programmes. That is to say, instead of our having to wait up to the tiny hours of the morning to listen in to a London station, or Londoners having to do the same to hear the programmes of 3LO Melbourne, we will be able to tune in on a certain wave-length at any hour we like and yesterday's programme will be available to us. It will, in some mysterious way of Marconi's have been stored up. The method employed involves the continuous circulation during the day of the programme just put on the air, so that after, let us say, 3LO Melbourne has closed down, or is even engaged on the beginning of another programme, the earlier one is being dis-

charged round the world from point to point, available to anyone at hours more reasonable than those idiotic times from 1 a.m. onwards.

I confess I don't profess to be able to explain how it is going to be done, but if Marconi says it will be, I'll be willing to lay more than a shade of odds that he will be proved right.

## Storing National Broadcast Events.

The possibility I have adumbrated above reminds me of a very good bit overlooked by the Government in connection with the broadcasting of the Canberra ceremonies. By the exercise of a little thought and ingenuity it should have been quite feasible to have preserved for our national archives the aural reproduction of the historic ceremony at the Capitol. The Duke's and the Prime Minister's speeches, the description of the scene, the military commands—all of these could have been recorded as the wireless made them available, and records could have been sold abroad.

There is small doubt that recording of the broadcast descriptions of such important historical events will soon be done as a matter of course. No new advance has to be made on our present knowledge to make this possible, and, looking back, it seems inconceivable that the thing should not have been done before.

Owing to the extraordinary demand for the "Broadcast Bulletin" last week, many readers who delayed purchasing the paper for a few days after publication failed to obtain a copy.

It is quite safe to assume that a similar demand will make itself felt for the new "Broadcast Bulletin" every week.

Such being the case, it is important not to delay purchasing this paper as soon as it is published.

Or, better still, why not fill in the subscription form in this issue and make quite sure that a copy of the "Broadcast Bulletin" is posted regularly to your home?

**DO NOT DELAY!**  
**ACT AT ONCE!**

## Wright's "Eureka" Gas Stoves

MADE IN ENGLAND.



**Economical  
in Consumption  
of Gas**

**Inspection  
Invited.**

**Reasonable  
in Price.**

**Stocks of all sizes  
for immediate de-  
livery from the  
sole agents:**

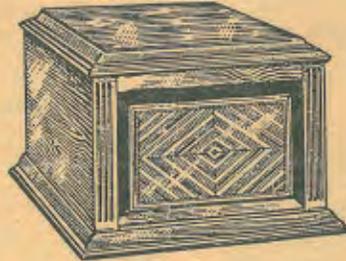
**WEBSTER & CO. LTD.**

Mary Street, Brisbane.

BRITISH **Brown** THROUGHOUT



**Brown Q.**  
2000 Ohms.  
£21.



**Brown Cabinet Model.**  
2000 Ohms £8/10/-



**Brown HQ.**  
2000 Ohms.  
£7/15/-

The Incomparable **Brown**  
in Seven Superb Models

Now that Broadcasting has awakened such an intense national interest, it is only natural to find that Loud Speakers, in common with many other commodities, Radio or otherwise, must be produced in a variety of types at prices that will be within the reach of all. It is for this reason, therefore, that there are now available seven superb models of **Brown** Loud Speakers.



**Brown H1.**  
2000 Ohms  
£6/15/-



**Brown H3.**  
2000 Ohms.  
£4/2/6.



**Brown H4.**  
2000 Ohms  
40/-

Of all the Loud Speakers on the market to-day, the **Brown** is unique, because, by a brilliant application of an entirely original principle, it achieves results which can be obtained in no other speaker. **Brown** principles of design and construction can be found only in **Brown** Loud Speakers. The famous tuned reed mechanism, which permits the use of a supersensitive cone-shaped aluminium diaphragm as thin as paper, is responsible for a tonal purity and mellowness which must be heard to be fully appreciated.



**Brown H2.**  
2000 Ohms.  
£2/18/6

Obtainable from all Radio Dealers.

Sole Agents:

**NOYES BROS.**

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495 Bourke Street  
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Sydney:  
115 Clarence Street  
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Perry House, Elizabeth St.  
Agent for W.A.:  
J. R. W. GARDAM  
138 Murray St., Perth.

## WIRED RADIO

**In an interesting article in the American "Radio News," the well-known and highly-capable radio writer—Mr. Hugo Gernsback—discusses the question of ordinary radio as compared with the new system of wired radio. His remarks are well worth republishing here.**

When broadcasting was established in the United States, the universal opinion was that the service would always be free. No one in America has ever seriously considered broadcasting for pay from the listeners. This is in distinct contrast to the European system, whereby every radio set is taxed by the government anywhere from 25 cents a month upwards to pay the broadcasters. This is the custom that prevails in most countries of the world with some few exceptions. Of course, even in the United States, some one foots the bill—that some one being usually the public. But this is indirect taxation, whereas the European system is one of direct taxation on each set.

In America the broadcasters expect to get back, through the returns from good-will programs or indirect advertising, their outlay for broadcasting—in which effort, it may be said, they have been fairly successful. Not every station, however, operates at a profit, nor will probably do so for some time to come. In general, the principle has been recognised in America that radio should be free for all, so that any one by buying a set can listen in to his heart's content, year in and year out. This is the prevailing system of space radio.

There is, however, another system which may shortly go into operation in the eastern part of the United States, and which is known under the name of "wired radio." There is nothing new about this, for it is not a new invention by any means.

General G. O. Squier took out patents on wired radio many years ago, but so far the system has not met with much success or encouragement in application to broadcasting; although this can be accomplished by wired radio over any existing lines, be they telephone or telegraph, electric-light or power. It is understood that, for the time being at least, the telephone interests will have none of wired radio. On the other hand, one of the largest electric light and power corporations in the country, with networks extending throughout the east, definitely intends to go "on the wire" with wired broadcasting in the near future, probably within six or eight months.

Many technical difficulties had to be overcome to make this possible, but officials of the company sponsoring wired radio now believe that the difficulties have been smoothed out, and that a real service can actually start very soon. Somewhere in the east there will be studios where three different programs will be broadcast simultaneously on different wave-lengths over existing wire systems.

By means of a simple switch on a special receiving set, it is promised, the listener renting the instrument from the wired-radio company will be able to select any one of the three programs being fed to the electric light wires, and this programme will issue from a loud speaker. Two models of receivers are planned. One will use a crystal detector, and is intended primarily for headphone reception. The other will include a regular audio amplifier and a loud speaker, all "A," "B," and "C" power being derived from the power line. No aerial and ground will be used, as the receiver picks the programmes directly off the power wires.

If one already owns a radio receiver, he can rent the crystal receiver and connect it to his set in such a manner that the audio amplifier in the latter will amplify the signals; the radio loud speaker will then reproduce them as it does space-radio impulses. This is just an outline of the proposal, from the advance information at hand.

Interesting as are the possibilities of wired radio, however, I personally do not believe that it will prove a formidable competitor of space radio.

It may be said, as a matter of fact, that the so-called wired radio really should not be called radio at all, although it uses radio instrumentalities throughout. In any event, wired radio certainly takes the romance and thrill out of radio broadcast reception, unless you are satisfied with one or two local stations. With space radio even a mediocre set has no trouble tuning in any evening at least forty or fifty stations; and if the set is a really good one, as many as a hundred stations can be logged.

This does not mean, of course, that you can enjoy a hundred different programmes during that evening, because the time limitation is against this. But the argument remains in favour of space radio; for the simple reason that, if you wish to stay with any one on the programmes, you can do so by tuning in the station you wish to listen to and, unless it is an exceptionally bad night, when much static prevails, there is not much difficulty in staying with the station selected. If I do not wish to know what is going on in Chicago, I can listen to Washington or to New York, or to Atlanta. That is, with space radio. With wired radio it would seem that there must be limitation to a very few programmes. The fact is, you will have to take what you get. This seems to be a serious disadvantage, and only time will tell whether it can be successfully overcome.

On the other hand, it may be said that, with wired radio, you do not have to contend with static and uncertainties, but you may be assured of a programme

at all times. How this choice will strike the average listener it is, of course, impossible to predict.

Then comes the most important point under consideration; and that is, wired radio will not be free. The apparatus will not be sold, but leased at a certain monthly rental per instrument.

Just how many people will avail themselves of such a service, when general radio entertainment always has been free, remains as yet to be seen. While there can be no doubt that wired radio will in all probability never supplant space radio, it is possible that it will prove an interesting adjunct to space radio. The parallel to this may be found in space radio and the phonograph.

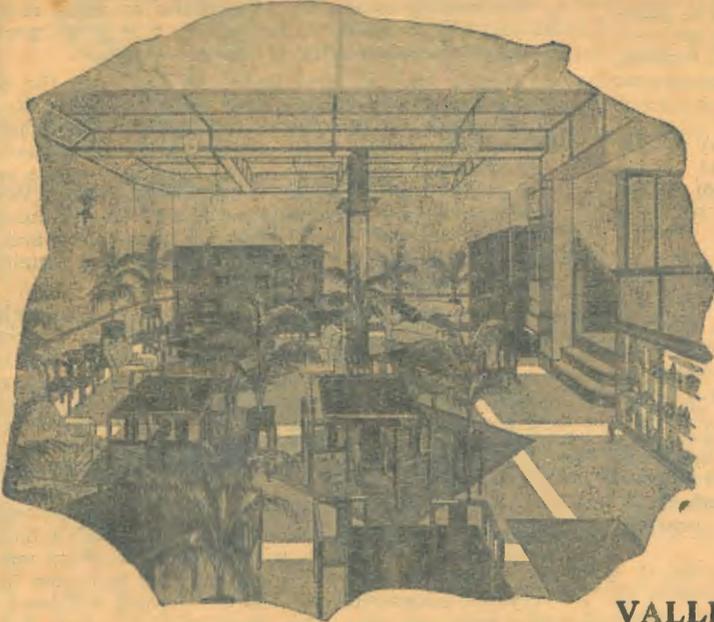
When radio first came into vogue it was freely predicted that the phonograph would speedily be relegated to the scrap heap. I predicted editorially in the American "Radio News," early in 1921, when broadcasting first started, that nothing of the kind was apt to happen, and rather that the phonograph would be helped by radio. This indeed proved to be the case, for there

are more phonographs and more records being sold to-day than there were at any time.

I do not believe that it will be at all practicable, as suggested, for the wired-radio companies to establish a method of secret transmission over their lines, so that only the apparatus rented from them will be capable of receiving their programmes; because, the moment the apparatus is installed and the nature of the device becomes public, every radio constructor will surely try to build a set by means of which he can tune in on the wired radio.

It is in the nature of every radio fan to investigate and the prediction is freely made that, if wired radio comes into universal use, the parts business will take a sudden leap. Every radio fan and every set builder will no doubt try, at one time or another, to build a radio receiving set that will bring in the wired-radio programmes. It seems that the wired-radio interests will be powerless to prevent this; because there is no law on the subject, and because the "bootleg" listener would be stealing nothing.

## BURGESS BATTERIES MEAN BETTER RECEPTION



### The Rendezvous of Fashion

Here at the most refined and secluded cafe in the city, people of fashion foregather for morning and afternoon refreshment.

Ladies entertain their friends, gentlemen talk business over delicious coffee or pure liquors. Appointments are luxurious; charges moderate.

### Business Men's Lunches

Tasty lunches are served daily and the tables are well patronised by many well-known business men. YOU should come along, too.

VALLELY'S



BENEATH THE AUSTRALIAN HOTEL

*A corner of the beautiful Acacia Garden so popular among the smart folk of Brisbane.*

# The Adventures of Uncles Ben and Mike

No. 2

## Their Holiday at McPhee's Farm



Mike thought he could milk The Strawberry Cow—

And this picture shows He didn't know how.

But at cutting the cake He was better by far,

And "Uncle Ben" broadcast Some pieces afar.



When washing up dishes, Mike Settled a Heap,

But got in good graces, Rocking Baby to sleep.

The mill wheel was explained By Farmer McPhee,

And the "Professor" is asking Who'll sleep with me?



"Uncle Ben" and "Professor" Fix "Uncle Mike's" bed,

And Mike "shoo's" the birds On "Pro.'s" whisker's so red.

But "Ben" and "Pro." laugh When Mike gives a shout,

Yet they all go to sleep When the candles go out.

# What Is Wireless?

A very simple explanation written specially for the beginner who wishes to know a little of the why and wherefore of his set.

(By "Forwen.")

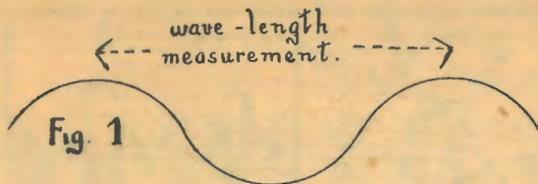
What is wireless?

How many of us, when we talk glibly of the wonderful results we obtain with our sets, really know anything of the functioning of the set?

The average broadcast listener knows that he obtains music or speech from his loud-speaker, but never troubles to find out just what happens between the time the artist performs before the microphone and he hears the result through his set.

We know that there are wireless waves, but what are wireless waves? Here is a very simple explanation.

Wireless waves are disturbances or vibrations caused by the transmitting station which travel through the air at the speed of light—that is, 186,000 miles (or 300,000,000 metres) per second—in all directions.



These waves are spaced a certain distance apart, and the length of the wave—or "wavelength"—is the distance from the apex of one wave to the apex of the next. This is illustrated in Fig. 1.

Now these waves have a certain frequency—or, in other words, they reach our aerial at regular intervals a certain number of times every second.

For instance, we know that 4QG's wavelength is 385 metres; therefore, we use the following formula to find the frequency of its wave.

$$\text{Frequency equals } \frac{\text{Speed of Wave}}{\text{Wavelength}}$$

$$\text{Or } \frac{300,000,000}{385} \text{ equals } 779,220$$

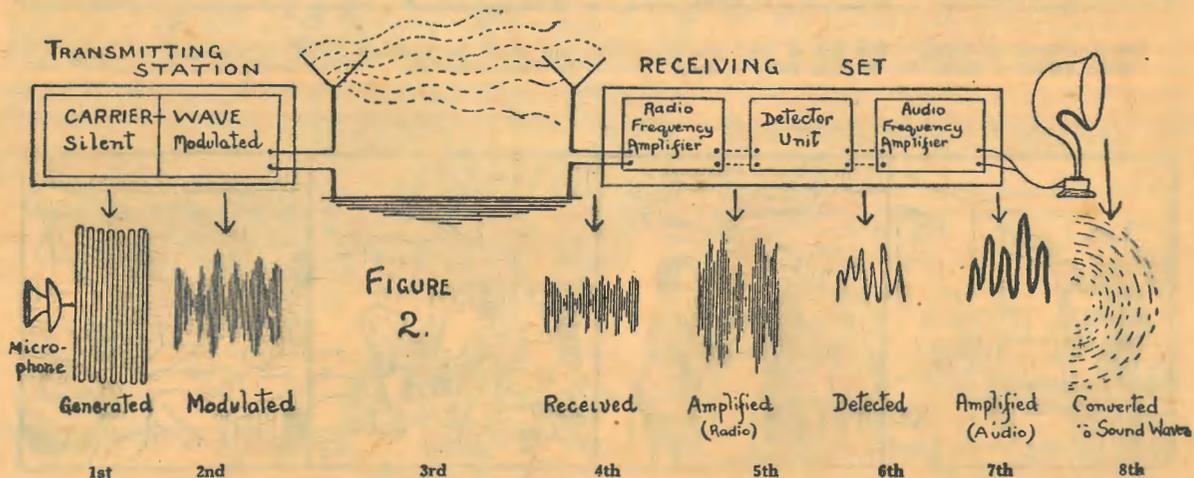
That tells us that 779,220 wave vibrations are reaching our aerial every second.

It is difficult to imagine, isn't it.

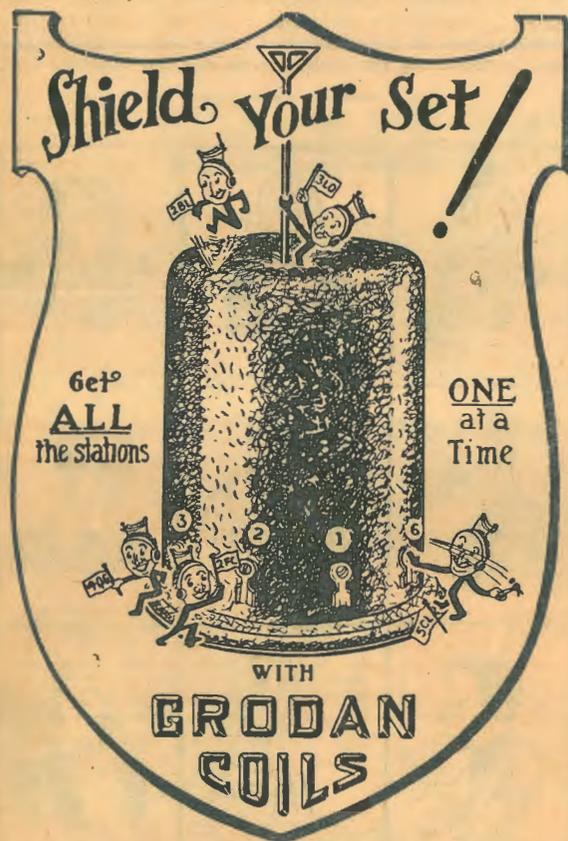
Many of us listened recently to PCJJ (Philips' station in Holland) broadcasting on a wave-length of 32 metres, and if we apply the above rule we find that the rate of their vibrations was nearly 100,000,000 per second.

Now these wireless waves are inaudible; that is, we cannot hear them. Mr. Brown talks to Mr. Jones. Mr. Brown represents the transmitting station, and uses his local chords and tongue to transmit wireless waves. These waves reach Mr. Jones' ear, which converts them into audible waves, and enables him to hear what Mr. Brown is saying. Now, if Mr. Jones' receiving set (his ear) is out of order, he becomes deaf and is unable to hear anything.

In Fig. 2 we can trace the whole operation from the transmitting station to the receiver.



This Sketch illustrates the various stages in transmission and reception as described in this article.



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The carrier-wave is first generated by the transmitting station, and is quite even in its flow. Now when the announcer speaks through the microphone the wave is modulated and takes the shape shown in the second stage, the various irregularities being formed by the voice when pronouncing different words.

This modulated wave is transmitted from the station's aerial and travels at the speed mentioned through the air (third stage). When it reaches your aerial it has lost some of its power (according to the distance travelled). This is stage 4.

If your receiver has a radio frequency valve the wave is strengthened or amplified as shown in the fifth stage.

Now comes an important function—the converting of the waves from radio or inaudible to audio or audible waves, and this is carried out in the detector or sixth stage, and the wave takes the shape shown in the diagram.

We could now hear the words the announcer is speaking, but they are not loud enough, so we pass them through the seventh stage to further amplify or strengthen them.

The last or eighth stage is the headphones or loud speaker. Here the waves are passed through the diaphragm of the phones or speaker and we hear the voice.

In some sets another stage of audio amplification is used to make the waves still stronger.

Space will not permit of an explanation of the uses of the various component parts of our receiving sets, but this may be given in some future issue.

## SPEEDWAY

### MORE BROADCASTS.

Listeners who were quite keen regarding the speedway broadcasts given by 4QG last season, will be glad to learn that arrangements have been made to link up the new Speedway at Davies Park with 4QG, and to broadcast descriptions of the motor cycling races regularly on Saturday nights, commencing on August 6th.

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# Notes from 4QG

## SIMULTANEOUS BROADCASTING.

A step in the right direction was taken by Stations 2FC and 4QG on the afternoons of Saturday, July 23rd and July 30th, when simultaneous broadcasts of the description of the big football matches were effected. The co-operation between the two stations enabled thousands of listeners to solve the short daylight range problem.

## SIR ARCHIBALD BOYD CARPENTER.

During his stay in Brisbane as leader of the British Motor Traders Delegation, Sir Archibald Boyd Carpenter, member of Parliament for Coventry, England, was broadcast several times by Station 4QG. Sir Archibald Boyd Carpenter is an excellent speaker, and listeners in all parts of the State have written the station favourably commenting on his speeches.

TELEPHONE 205 CENTRAL

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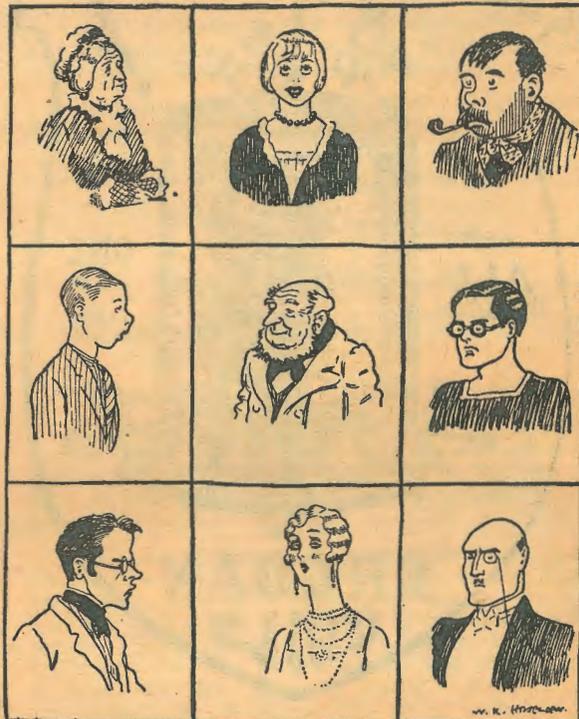
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"The Broadcast Bulletin,"  
The Read Press, Ltd.,  
Adelaide Street, BRISBANE.

## THE SILKSTONE APOLLO CLUB

The Silkstone Apollo Club, which has featured on 4QG's programmes recently, is an exceptionally fine combination of male voices. At a future date a full night's recital by the club is to be relayed from Booval.



## Some Types of Listeners

One very often hears complaints regarding the programmes broadcast from various stations. Many of these are quite justified, but the station have their side of the argument. It must be remembered that a radio audience includes people of all sorts, of all tastes, and of all opinions. Recently the "Daily Mirror" artist (London) endeavoured to portray types of listeners.

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THE equipment is as important as the set. The range of a set depends a great deal on the valve in the detector socket. The over-all performance of the set depends very much on the valves in every socket. The Volume and Tone quality you will get are dependent on the valve in the last audio stage. On every point the valves are as important as the set, and everyone who realises this insists on genuine Radiotrons. Look for the Genuine Radiotron Seal

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