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# Picking Your Station

[A complete list of the National and licenced broadcasting stations in Australia, showing wavelength, power and situation]

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WIRELESS WEEKLY, APRIL 28, 1933

PICKING YOUR PROGRAMME
[A conscientious calendar of the week's best features, including talks and sporting fixtures, for your ready reference]

Entertainment

FRIDAY, APRIL 28

RADIO REVUE, entitled "A Police Roundelay," which is based upon the traditional Cornish Floral Dances. (National Relay, 8.0. See Page 47.)

"WITHIN THE LAW." A four-act play with Nancye Stewart in the principal role and a flat cast of popular artists. (National Relay, 8.19. See Page 31.)

TANGO BAND will be played by Roy Maling and His Continental Tango Band. (3AR, 8.30. See Page 44.)

COMMUNITY SINGING. Stan Jones will conduct at to-night's concert from the Ballarat Town Hall. (SAR, 8.40. See Page 48.)

CHAMBER MUSIC programme arranged by the Elder Conservatorium String Quartette. (SCL-SCR, 9.0. See Page 53.)

SATURDAY, APRIL 29

SYMPHONY CONCERT, featuring the Victorian Postal Institute Choir, and a Professional Symphony Orchestra. (National Relay, 8.0. See Page 39.)

DANCE NIGHT with the A.B.C. Dance Band. Associate artists are Horace Gibson (tenor) and Frances Les (soprano). (3BL, 8.60. See Page 40.)

BRASS BAND. The Austral Brass Band will perform to well-known numbers. Popular radio soloists will assist. (SAR, 8.40. See Page 41.)

SUNDAY, APRIL 30

DOT BRUNTON. "The Last of Mrs. Cheynes," a three-act comedy, which is dealing with the leading role. (National Relay, 8.44. See Page 43.)

"WE AVOID YOUR VINDICT." To-night will be the third broad-cast of this series and will deal with a Breach of Promise case. (SAR, 8.50. See Page 44.)

CHAMBER RECITAL, arranged by Try Hall. Assisting artists are Edward Lambert (violinist), Edward Mac (celloist), and Violet A. (3AR, 8.30. See Page 42.)

MONDAY, MAY 1

CONCERT PROGRAMME, featuring the A.B.C. (Melbourne) Concert Orchestra, Muriel Cheek (soprano) and Alphonse (entertainer). (National Relay, 8.0. See Page 47.)

COMMUNITY SINGING. Tonight's transmission from Pad- dington Town Hall will feature Wal Rockey's Court Minstrels and Wally Gibson. (3BL. See Page 48.)

MUSICAL REVUE, in which a musical tour of Europe will be made. (SAR, 8.20. See Page 46.)

VARIETY. Reg. Yellowly (baritone), Rod Holmes (entertainer), The Injun Queen Vic-Reign Miniatures and Community Singing. (44G-44K, 8.0. See Page 49.)

TUESDAY, MAY 2

GLADYS MONROE in a repeat performance of the musical play, "Bybl." (National Relay, 8.0. See Page 51.)

ORCHESTRA. The A.B.C. (Sydney) Concert Orchestra, Ila Turner (soprano), Lance Jeeffe (tenor), and Beatrice Coleman (pianist). (3BL, 8.0. See Page 52.)

VARIOUS ITEMS, which include songs, violin, piano and organ music and a playlet, entitled "The Man on the Reef." (3AR, 8.20. See Page 53.)

WEDNESDAY, MAY 3

SYMPHONY ORCHESTRA. Concert programme featuring the A.B.C. (Melbourne) Symphony Orchestra and Alexander Browne (conductor). (National Relay, 8.0. See Page 53.)

LONDON REVUE. Humphrey Beresford Creight contains "An Unhappy Nightmare," which deals with "That" adventure in London. (2BL, 8.0. See Page 56.)

VAUDEVILLE. A programme of specially selected recordings has been arranged for to-night. (44Q-44K, 8.0. See Page 57.)

OLD-TIME DANCE. Music will be transmitted from the Adelaide Town Hall to assist. (SCL-SCR, 8.0. See Page 57.)

THURSDAY, MAY 4

RUSSIAN CHOIR. The A.B.C. Concert Orchestra, Russian Choir, Melnikov, Sevych, and Paul White (tenor), Vera Cornock (contralto), and Trimor Beemis- koff (soprano). (National Relay, 8.0. See Page 59.)

VARIETY. Viennese Ensemble, Dorothy Elsborn (soprano), George Taylor (piano), Jack Purdon (xylophonist), and two playlets. (3BL, 8.0. See Page 60.)

YOUTH WORK. The Berlin State Opera Orchestra and The Vienna Philharmonic Orchestra are included in to-night's programme of the Melbourne Symphony Orchestra. (3AR, 8.20. See Page 61.)

CUOKAL. A programme by the Port Melbourne Orphans Society. (SCL-SCR, 8.0. See Page 61.)

THURSDAY, MAY 4

COOKERY, TALK. 10.45 a.m.-2BC.

AUSTRALIAN WOMEN'S RADIO SESSION. 11.0 a.m.-2PC.

WOMEN'S RADIO SESSION. 12.20 a.m.-2PC.

ady Fox's "Scene of An Accident," 11.45 a.m.-2BL.

HISTORY OF MOTHERCRAFT, Chief Officer of the National Women's Relief Corp. (2PC, 11.45 a.m.-2PC.

CHRISTOPHER CLOTHING FUND, Mrs. A. C. H. Graham, 12.20 a.m.-2PC.

MONDAY, MAY 1

THE AUSTRALIAN WOMEN'S RADIO ASSOCIATION, conducted by Lady Mayors, 11.0 a.m.-2PC.

WOMEN OF OTHER DAVS, Gladys Owen, 11.45 a.m.-2BL.

HISTORY OF ANTARCTIC EXPLORATION, Captain A. Le Gros, 11.45 a.m.-2PC.

JUST A PLAIN DOG, Major Sim- mocks, 7.45-2SL.

CLOTHES AND HOW TO顆 THEM, Kathleen Job, 4.30-2BC.

"The Family Lawyer," 6.30-2RC.

ADULT TECHNICAL LECTURE, 6.30-2BC.

AN ANCIENT PROPHET'S MES- SAGE TO ROBERT SHIPWAY, 16.8-2CH.

THURSDAY, MAY 2

AGUSTUS JOHN, A. Zander, 10.45-2BC.

WOMEN'S CLUBS OF AU- STRALIA, 11.0 a.m.-2PC.

CARDS, "Rodgum," 11.45 a.m.-2PC.

DICKENS READING, A. S. Church- rane, 12.0-2CH.

CHRISTOPHER BRENNAN, Mrs. Annie McDonald, 3.45-2PC.

ESCHER CHATTER, "Kick," 4.30-2SL.

...Talks...

FRIDAY, APRIL 28

STORIES OF THE TRAIN, a Professional Swagman, 3.30-2PC.

A NIGHT IN BERLIN, O. Von Klos, 3.30-2PC.

A.B.C. MODEL AEROPLANE ASSOCIATION, conducted by Norman Lewis, 3.45-2PC.

CAPTAIN COOK AND THE BOTANY BAY, Aubrey Halloran, B.A., LL.D, 7.30-2BL.

A CURIOSOUS ITALIAN FESTIVAL, P. S. Burnell, 8.60-2BL.

SATURDAY, APRIL 29

GARDENING, George Cooper, 10.15-2BC.

A.B.C. POULTRY AND PIGEON SESSION, the Poultry Expert, 4.30-2PC.

SUNDAY, APRIL 30

LADY MARGARET'S CLOTHING FUND, Mrs. R. C. Hagan, 8.30-2BL.

UR AND ITS ANTIQUITIES, F. E. Burnell, 4.45-2SL.

AUSTRALIA LOOKS AT THE WORLD, Professor A. H. Charters, 6.40-2PC.

...News...

RACING. The Canterbury Park races will be described. (2PC-2NC, Saturday, 12.50.)

Description of the Q.T.C. races will be given. (4QC-44C, Satuday, 1.30.)

FOOTBALL. A description of the First-grade Rugby League Football from the Sports Ground. (2BL, Saturday, 3.00.)

WRESTLING. The main contest will be described from the Bohemia Stadium. (4QC-44K, Saturday, 9.00.)

E. R. Voel will vividly describe the main wrestling bouts from the Leichhardt Stadium. (2KY, Saturday, 9.00.)
LEKMEK invades Queensland

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Special moisture resisting Cone
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Field wound with special heavy gauge wire.
Special non-tarnishing silver finish.
New TALENT

Lighter moments during auditions in 2CH’s quest for amateur radio talent, reported at great risk by our representative.

Judging the competition run by 2CH to find entertainers is not easy, but has its lighter moments.

There was the mouth-organ which sounded “just like a violin in the studio, but not quite so through the loud-speaker.” There was the girl who played the saxophone, but forgot her piano parts. There was the gentleman who recited, or began to recite, a long poem about the doings of men in the snowy wastes. After the first few verses it was decided that his voice sounded all right—perhaps it was the poem; so he was asked to do another poem. There was a sudden silence on the loud-speaker; then, “I shall now recite a parody on ‘Casablanca.’” Then a profound silence, prolonging itself from second to second, then, “I shall do another poem.” An instant silence, and then, “I shall do another poem.”

There was the girl who played the piano twice. After the second piece the announcer’s voice again—“Miss X has not used the loud-pedal in her second piece—I don’t know whether it made any difference.”

There was the man who sang “Passing By” like a funeral march, and there were the countless men and women who resuscitated the old, old mid-Victorian ballads, which had been thought dead these many years.

There were more songs than otherwise in this competition; songs being about four to one.

What Stations are Describing the REGATTA?

On the Tuesday and Friday nights preceding the Regatta there will be talks on teams and prospects from one of the “A” stations. From its usual vantage point, that is, Cabarita Point, on a specially-constructed platform, the Commission, that is, Mr. C. J. A. Moses, will describe this year’s G.P.S. Regatta. On Wednesday he will describe the heats, on Saturday the finals, on both days the descriptions will come through 2PC.

The main advantage of the Commission has at these descriptions is the ability to see through Mr. Ferry’s glasses; how Mr. Ferry managed to get these glasses from a German submarine we do not know, but it was probably one of the feats of unrewarded heroism so common in the war.

Be that as it may, distance makes no difference if you look through Mr. Ferry’s glasses. You can see right to the starting line; you can see the spurt of smoke from the starter’s gun, and this is very important.

“The Captain” will give the description from 2UE; he will be at the winning post. He will receive supplementary descriptions from points along the course, and a special short-wave service from the official boat, by courtesy of the authorities. Some prominent G.P.S. sportsman, with a thorough knowledge of all the boats and crews, will give this short-wave commentary from the official boat, and it should prove very interesting indeed.

From 2UE on Wednesday and Saturday evenings, at 7, Mr. F. V. Gravenell will give a resume of the Regatta.

From 2CH on both days there will be descriptions of the races; the announcers from this station will be posted at Mortlake and Cabarita Point.

AMY CASTLES BROADCASTS

The great Australian soprano, who, at the outbreak of the war, was a Court singer to Emperor Franz Joseph of Austria, will broadcast for the first time in a special rendition of Verdi’s “Requiem” from the national stations on Saturday. In England she sang the soprano parts of the “Requiem” in London, Hull, Manchester, and Liverpool, having been coached in the solos by Sir Henry Wood. Subsequently she was under Sir Lon- don Ronald for oratorio. Among the many conductors whom she performed on the Continent was Weingartner, the present head of the Berlin Symphony. She took America by storm, and everywhere she appeared drew packed houses. On her return to Australia her performances in grand opera, staged by J. C. Williamson, Ltd., were brilliant, her wonderful soprano ringing clear and bold on every note she sang. She has been resting for a few months. At rehearsals of the “Requiem” she is singing with her usual brilliance.

AMY CASTLES.
IN TUNE with OUR TIMES

Claims World's Record in Announcing

MR. HARRISON HOLLIDAY, manager of KRFC, San Francisco, began announcing from his own amateur station in 1918, and from EBN in 1920. He claims, since no one who preceded him is still a regular announcer, to hold the world's record term for radio announcing.

THE Acting Director of Berlin Programmes has banned all "hot" dance music.

A German manufacturer gave the Pope an all-wave superheterodyne in a Louis XV, cabinet 6 ft. high and nearly 4 ft. wide. A chair is part of the set, and may be slipped back into the cabinet when not in use.

THE Columbia Broadcasting System presented President Roosevelt with a bullet-proof desk, which accommodates four microphones, and they should know.

ON January 1 there were supposed to be 16,800,000 odd United States homes equipped with radio, or 56.2 per cent. of American homes, representing an increase of 4,760,000 odd homes equipped in three years. In New York 79.4 per cent. of the homes are equipped in Columbia 88.7 per cent., in New Jersey 83.1 per cent. and on Rhode Island 82.1 per cent. So they say, in a trade report.

A SQUAD of Nazis hoisted Hitler's flag over Berlin's Broadcasting House.

SO eagerly were listeners to see the inside of London "Broadcasting House" that the visitors' list had to be closed. Now a representative of the Empire Marketing Board is busy gathering material for a talking film there, so that listeners may not be altogether disappointed.

THE World's record says, for what it is worth, that it believes in "Sir John Reith's intention to find Empire posts for so many B.B.C. men as possible, and thus hasten the happy day when broadcasting throughout the Empire will conform to B.B.C. ideals, even if it does not accept B.B.C. control." To which every honest Australian will reply: "Oh, yeah!" and once again, "Oh, yeah!"

THE British "Radio Times" is also brought out in Braille. The Amsterdam Braille Society is now bringing out a programme paper for the blind.

RAISING MONEY BY RADIO

THE B.B.C. has a regular Sunday broadcast: "The Week's Good Cause," in which celebrities make appeals for named charities; during 1932 they realised £39,648 17s. 10d. Mr. Stanley Baldwin raised £13,133 on November 19 for the Pemworth Village Settlement; but this sum was exceeded by the record sum of £10,000 sent to London Hospital in 1932 after a talk by Lord Northfield. The Rev. Pat McCormick raised £11,500 for the St. Martin-in-the-Fields Christmas Fund and £3050 for the Summer Holiday Fund. The B.B.C. gramophone authority, Christopher Stone, raised £227 for the London Ophthalmic Hospital. Commodore Sir Bertram Hayes raised £86 4s. 5d. for the Mercantile Marine Relief Fund. Mr. Seymour Hicks raised £693 for the Paddock's Boys' Home. Sir Harry Pathé raised £1198 for the Edinburgh Infirmary, and, to cut a long story short, Mr. Ramsay MacDonald raised £55 50 for the "Wireless for the Blind" Fund. Each of these sums resulted from only one broadcast.

WHILE hard times last Yugo-Slavian set owners may buy their licences by monthly instalments.

THE Hungarian afternoon programme stopped suddenly on the afternoon of February 7 after the announcement that Count Apponyi was dead. He was a great orator, with an astonishing gift of languages; he worked for the good of his country, and in the case of world peace. He was the first to broadcast in Hungary, from Budapest in 1922. Descriptions of the funeral were relayed by the Paris, Vienna, Berlin, Hamburg, Bern, and Italian stations.

THE British "Radio Times" is also brought out in Braille. The Amsterdam Braille Society is now bringing out a programme paper for the blind.

SIAMSE broadcasting, prohibited until 1930 is now controlled by the Government, to give general education, market prices, and music. Bangkok has two transmitters; the medium-wave for night programmes on 350 metres, and the short wave for special occasions, on 41 metres. Traders' licences cost about £18 a year; and listeners must have two licences, one a permanent authorisation to own a receiver, which costs about 21d.; and a yearly licence charged at the rate of from 3/6 to 5/ a valve, according to the range of the set. There are about 14,500 licensed listeners in Siam, whereas, as Netherlands India has only a few more than 3000.

BRITISH licences issued during 1932 were 6,269,000; 2825 unlicensed set owners were prosecuted; fines and costs totalled £385.
The New 
ROMSTEY 
Fully Explained

Below is the text of an important report prepared by a special N.S.W. committee on the new arrangement of programmes and explains in detail the changes. The graph on the right shows the Schedules of 2FC and 2BL for a comparison of features.

In view of the important changes in the times schedules of the Sydney and Melbourne "A" stations, which come into operation on May 1, a committee was appointed to reconcile the 2BL and 2FC programmes with the new schedules.

This programme committee consisted of Messrs. H. G. Horner (manager for N.S.W.), L. Halberg (studio manager), E. Chapple (controller of programmes), and C. J. A. Moses (talks editor), and its aim was not only to reconstruct the programmes to conform with the new times schedules, but also, where it was deemed advisable, to introduce improvements, and remove inconsistencies and redundancies in the present programmes. The committee bore in mind such innovations as the projected educational broadcasts scheme, embodying both broadcasts to schools and adult educational lectures, and also took into consideration the re-organisation of the women's sessions.

SYDNEY PROGRAMMES

The committee decided to be guided by the principle that one Sydney station should provide the utility services, should be educational, instructive, and informative, thus leaving the other station free to supply entertainment of a directly contrasting nature. It was realised that:

(a) A programme of shreds and patches, a heterogeneous mixture of market reports and music, will appeal to no one.

(b) Listeners who require information from their sets should get it from one station, and there would be no uncertainty as to which station provides it. Similarly, listeners who object to hearing weather data, market reports, etc., could always tune in to the other station, knowing that their requirements would be satisfied. To such as seek pleasure alone from their sets market reports are just as objectionable as advertisement announcements.

It was also decided that 2FC was the station most suitable for broadcasting the essential services, 2BL being se-
vised to provide entertainment, the reason being that 2FC has supplied most of these services in the past.

Following these decisions, it was the aim of the programme committee to leave undisturbed established popular features, or, at any rate, make as little change as possible. In this category came dinner music, daily stories, daily devotional, children's sessions etc. In the case of the 2FC daily devotional, it was decided to programme it a little later, so that the station could close down at the conclusion of the service at 11.30 a.m. The 2BL women's session, as such, had to be discontinued owing to the fact that that station was closed from 9.15 a.m. to 11.30 a.m. The 2FC radio matinee had to be transferred to 2BL to permit of the afternoon broadcast to schools being included in the 2FC programme. Other changes which sought to improve the service to listeners were:

**BRIGHT MORNING SESSION**

(a) Bright 2BL morning music session from 7.0 to 8.45, as a contrast to the countrymen's session on 2FC.

(b) The re-introduction of a mid-day news commentary from 2FC, to fill the gap created by the discontinuance of the popular service supplied by the late Mr. H. P. Williams.

(c) The inclusion of a weekly review of foreign affairs on Sunday evenings.

(d) The inclusion, at the recommendation of the Educational Broadcasts Advisory Committee, of a school's program cast for primary students from 12.0 to 12.30 p.m., and for Intermediate students from 5.0 to 6.30 p.m. on Monday to Friday, inclusive. Also the inclusion of a short adult educational lecture in the afternoons from 3.45 to 4.00 p.m., and a longer one in the evenings from 7.35 to 7.55 p.m., to replace the University Extension Board lectures.

**NEW WOMEN'S SESSIONS**

(e) The re-organisation of the women's session, so that addresses of definite value to women listeners will be broadcast, including weekly overseas news summaries, talks on mothercraft and other subjects by recognised authorities, and also short weekly sessions for women's associations, such as the Country Women's Association, National Council of Women, Australian Women's Radio Association, and Women's Clubs of New South Wales.

(f) The appointment of Miss Gladys Owen (Mrs. John Moore) to collaborate with the talks department in the selection of subjects and speakers of interest to women. Miss Gladys Owen will also prepare a weekly summary of events overseas—"Our Weekly Overseas Letter."

(g) The inclusion of discussions of women's activities in the evening programs—thrice a week sporting interests, and thrice a week other interests in the afternoon at 2BL.

**SOCIAL NEWS, ETC.**

(h) The inclusion of short chats on the very latest news of weddings, fashions, dances, new arrivals, and other social gossip of particular interest to women.

(i) The abridging of the children's session from one hour to three-quarters of an hour. This was done to make provision for the extra 15 minutes for the talks on women's activities.

(j) The bracketing of the evening sport-

**THE SPIVAKOVSKY TRIO, which was heard from Sydney on Saturday last.**

The Committee Responsible for New Roster

**Mr. H. G. Horner, manager, N.S.W.**

**Mr. Ewart Chapple (controller of programmes).**

Mr. Laurence Moses

**Mr. C. J. A. Halbert**

(talks editor).

The past these services have been separated by half an hour of market reports, more to the annoyance of those listeners interested in sport and news, but not in market quotations.

(k) Provision of an alternative session of light recorded music, in order not to distract attention from the important adult education lecture. In the past either evening news and market reports, or else the national programmes, have coincided with these lectures; limiting the field of listeners and detracting from their value.

(l) The exclusion from the night's presentations of talks and lectures, room being made for these earlier in the evening. However, the inclusion of interruptions in the main programmes will provide opportunity for addresses by important visitors and prominent speakers.

(m) The main presentations of both national and regional programmes will begin at 8.0 p.m. and end at 10.15 p.m. Thus, should the occasion arise when it may be decided to include at the last minute a performance by some celebrity artist for national broadcast, the programmed national presentation could be transferred in its entirety to the regional station. Or else, a complete programme previously given from the regional station could later be broadcast from the national station, requiring no alterations whatever.

**RIGIDLY ADHERED TO**

It is intended that in future these programmes will be rigidly adhered to, particularly with regard to the essential services from 2FC, such as broadcasts to schools, countrymen's sessions, news services, etc. Regularity of service is recognised as being of paramount importance. It is hoped that it will be possible to map out programmes several months ahead—particularly in the cases of a season of symphony orchestral work, chamber music on the musical side, and also in the case of the lectures of the talks department.

The illustrative table shows clearly the programmes given from each station, and more particularly it emphasises the essential differences between these alternative programmes. It will be noted that at no time during the day from the opening of the stations until they finally close down, is there any duplication of service to listeners.
OLD TERRORS
as well as
NEW WONDERS

The radio operator of the "Southern Cross" enthuses over the progress of radio and visions new horrors, such as radio controlled projectiles, in the combination of radio and aviation, as well as new wonders and great peace-time advances.

By

JOHN S. W. STANNA GE

I REMEMBER so very vividly my first experiments with Wireless Telegraphy. It was towards the end of the war; text books were few, and most of my information was gleaned from magazine articles. I had a two-inch spark coil, a six-wire aerial, and a carborundum crystal receiver. What a wonderful day it was when I bought my first valve—a John Forrest Audion, which cost me £2 17s. 6d. And the first night I heard music and voices! Thrills like that don't come to us nowadays. It's an age in the history of radio since those days, yet in reality only a short fifteen years.

In 1919 I made my first flight in an old Avro 504K, and that was the dawn of a great ambition to fly and carry radio equipment that would prove how closely allied were these two newest of sciences.

My people were horrified at the idea of my taking up aviation, and nothing I could do would convince them that aviation was anything but certain death. But half of my ambition was attained when, after two years at college, I was sent to a wireless school to obtain a commercial licence.

TEN YEARS AT SEA

For ten years I reared the world as a commercial operator, with an occasional hour or two flight instruction in San Francisco and Sydney. Then came the big chance with the loss of the "Southern Cross" and the equipping of the "Canberra" to conduct search operations, followed by the pinnacle of my ambition—the Atlantic flight. And now the little experience I have had with aircraft; radio has verified my earlier convictions that radio is a most essential part of aircraft control.

Many of the predictions I made in a newspaper article of mine that was published when I was 14 years old have come true—the England-Australia telephone service, the beam system to supersede cables, television, and efficient direction-finding systems; but my most hoped for prediction has yet to come true, and that is that eventually power will be transmitted by radio. It is coming. It has got to come. The solution of a thousand problems of industry would be revealed by the advent of some new and revolutionising motive power. What a wonderful vista of possibility is revealed by the thought of radiated energy! Ships, cars, planes, trains, every form of mechanical motion deriving its initial energy from the ether. I could fill pages with dreams of such fantastic possibilities.

FANTASTIC, BUT POSSIBLE?

The problems are so numerous and immense that even such a dreamer as I must perforce say "No, the thing is utterly impossible and completely fantastic"—and yet! Well, we can light a lamp many feet away from a source of energy. Less than 30 years ago wireless signals were transmitted and received over a distance of a few chains, now the human voice is flung across 13,000 miles of space, and we all take it very much for granted. So anything is possible in the next 20 or 20 years. We know nothing whatever about the vehicle which carries our voice those 13,000 miles at a speed of 186,000 miles per second—that intangible substance, ether. We know it obeys certain set laws, and that is all. Even our best radio brains can make no certain predictions. Who can tell what weird accident or patient research will suddenly discover for us a new law or a new method of harnessing this mysterious servant of ours?

But back to realities and tangible possibilities in sight for radio. Radio was used in the Great War. So were aircraft, effectively and usefully, for direction and defence, but our knowledge of both has grown so rapidly since then that these two marvels of modern science, linked together, will form a formidable weapon of offence. Their value as such will, to my mind, exceed that of defence. I can conceive no defence to prevent a squadron of huge, fast-flying bombs, controlled by radio, dealing death and destruction when they reach their goal. One wonders if the possession of a fleet of such dreadful weapons would be more useful than words to ensure world-wide peace!

Television we have been waiting for, and television is to-day an established fact kept from commercial exploitation by the unfortunate fact that successful television broadcasts require such a large slice of our overcrowded wave-bands. However, this will be overcome in the near future by utilising either extremely high or low frequencies, and a television will be a part of every radio receiver.

RAMIFICATIONS OF RADIO

I wonder how many readers of "Wireless Weekly," even those professionally connected with radio, realise just how immense and varied are the ramifications of this new industry? Broadcasting, broadcast receiver construction, ship-to-shore telegraphy and telephony, world-encircling beam telegraphy and telephony, a thousand high-speed short-wave channels, and radio direction-finding are what we know and see in everyday life; but, through the development of radio and the delicate control of streams of electrons, a thousand other things have been made possible. Long-distance line telephony owes its perfection to radio development, as does the X-ray tube and the discovery of ravs above and below the sensed spectrum.
Will Be Heard in “The Last of Mrs. Cheyney”

Frederick Lonsdale’s play “The Last of Mrs. Cheyney,” will be broadcast from the National Stations on Sunday night. Adapted and produced by George D. Parker, it will have a full cast of leading actors and actresses, among whom the above are starred.

An altimeter, which tells the aviator his exact height above the surface of the earth by automatically measuring the length of time taken for a sound to travel from the machine to the earth and back again, a depth sounder, which records on a graph the exact depth of the ocean, an eye that sees through the densest fog, a sextant that determines the sun’s altitude, by the intensity of the infra-red ray emanating therefrom, through heavy layers of cloud, and a hundred other things are the direct offsprings of radio development.

From San Francisco to New York a radio facsimile system is in daily operation, and by means of this a man’s signature is honored in New York when signed in San Francisco. The signature is reproduced faithfully over a 3000-mile radio circuit. Pictures are sent by wire and wireless all over the world, and even the talkies owe their birth to radio development.

How radio-minded the world has become in the last ten years! The man in the street, even five years ago, would have looked askance at a question about radio-frequencies; but now one hears heated discussions on superheterodynes and push-pull amplifiers or the intricacies of radio transmission and reception as often as discussions on flower gardens. The youngster of to-day, who begins now and makes a thorough study of radio, is going to be one of the world’s most valuable men in years to come. I wish I could have another chance, and I would devote every second of my time to the study of radio.
Operating the

ONE VALVE RECEIVER

The assembly and wiring of this simple receiver are discussed in this article. Try it! It's as simple as A.B.C.

HAVING discussed the earlier stages of the receiver, and the components and so on, we now reach the actual building of the set. With the aid of the illustrations provided it would be almost impossible to mistake the exact position for everything, and if the last article has been studied with care all the various parts will be recognised immediately, and their right place found.

MOUNTING THE PARTS

The first step, therefore, is to place everything in position on the baseboard. Take a good look at the diagrams, and you will see where the respective terminals are in relation to others. For instance, the valve socket is mounted with the filament terminals at the rear, so that the plate and grid terminals are in the right positions. So with the coil; the little solder lugs have been placed so that leads to them can be affixed with the least amount of trouble and inconvenience, and, incidently, wire. The aerial and earth terminals, also the phone terminals, have been mounted in their places, so that when extra stages are added to the set, the connections to them will again fall into place with a minimum of alteration anywhere. It is points like these that make it desirable to follow the exact layout.

The parts, then, should be mounted in their right positions, and screwed into place.

THE CONDENSERS

If the set is to be kept always a single-valve, or for any reason be placed in a cabinet, then it is best to mount the condenser on a sheet of wood, balsa-ite, or metal, which will eventually form the panel. If the panel is a metal one, both sets of moving plates will be connected to earth through it, as an earth wire runs to one set. If the panel is of insulating material, then the two sets of fixed plates must be joined together as shown in the diagram.

WIRING

Having mounted everything the wiring is commenced. It will be noticed that soldered joints are included in the set. It is bad policy for the beginner to avoid soldering. It is one of the little arts that every builder must learn, and it is easy enough if one has a hot, clean iron and a coil of restin-cored solder. There is no better chance to begin than with a simple set, and for these reasons we have not avoided this point, as so many do, but made it an opportunity for learning this highly desirable and necessary accomplishment.

FILAMENTS FIRST

Start out the wiring of the filaments first. As will be seen, a wire runs from one terminal to one of the valve socket. The lead is taken up at the other filament terminal, and carried to one side of the filament switch. From this point it returns to the second filament terminal at the back. It would now be a good plan to test this circuit with a pea lamp and two wires pushed into the valve holes, to see that all is working well.

Next take up the grid circuit, and pursue the same policy of duplicating each wire in the diagram. The grid condenser is connected to the grid terminal of the socket, and the lead wired across it. The G terminal of the coil connects to the other side of this condenser, and the fixed plates of the tuning condenser also. The two terminals, E1 and E2, are connected together to the earth terminal of the set, and round to the A minus terminal at the back. The aerial terminal comes straight over to the correct lug on the coil.

The plate terminal of the valve socket connects to two places—to the coil lug and to one side of the H.F. choke. The lug marked R.C. on the coil runs fixed to the plates of the reaction condenser, and the vacant side of the choke goes to one phone terminal, the second of which runs to the B plus terminal at the back. A wire connects the A minus terminal to the B minus ditto. If the set uses a wooden panel, the moving plates of reaction and tuning condensers are wired together, and the essential work is done.

CHECK CAREFULLY

Now run over the set, and make sure that every wire has been put in, and all are right. We used stiff wire, more for show purposes than anything else—it photographs so clearly, but there is no reason why flex should not be used. However when you are certain that all is well, then the power may be applied.

BATTERY CONNECTION

Connecting the batteries is very simple, and also diagrammatically shown. The accumulator is hitched up, plus and minus terminals the right way round, and the same with the B battery of 4 8 volts. The headphones are screwed up.

(Continued on next page)
aerial and earth hooked on, and the switch clicked over.

Almost immediately there will be a lively sound in the phones if all is well. If not, switch off, and see what's wrong. To continue, however, a station should be tuned in by rotating the dial, and the re-actor will bring up the volume when turned into mesh. Too much condenser here will make the set squeal and oscillate, as detailed in one of our earlier articles.

OPERATION

A little care and practice will soon give you the knack of searching out the little whistles, and resolving them into signals. The reaction should come in and out very smoothly—if it plops a little, try reducing the plate voltage to 224. If the reaction, instead of making signals louder, makes them softer, you have probably got the coil round the wrong way.

The valve used in the original was a Cossor special 2-volt detector, 210RC, but the equivalent in Mullard, Philips, or any of the American makes (in the latter case the type being known as the 30) will be equally suitable in 2, 4, or 6 volt ranges. Best results will possibly be had from some of the Continental high-gain detectors.

From these instructions, there should be no trouble in getting the set working immediately. Should you fail for any reason to obtain results, the Information Service will give your query special attention.

FEATURES AT THE B STATIONS

SYMPHONIES FROM 9UW

From 9UW there will be a good pro-
gramme next Sunday, April 30. At
11 a.m. you will hear the "Clock" Sym-
phony, by Haydn; at 3 p.m. the "Pa-
thetic" Symphony, by Tchaikowsky; at
5 p.m. a recital of Debussy preludes;
and at 8 p.m. a repeat performance of
"Trovatore," by Verdi, by special re-
quest of many listeners.

GRIEG CONCERTO

On Sunday night, April 30, at 8.30, 2CH presents Arthur de Greef and the Royal Albert Hall Orchestra, con-
ducted by Sir Landon Ronald, in the Grieg Concerto in A Minor. With ex-
etion of the Pianoforte Concerto, there is nothing "on the grand scale" from his pen: Grieg was essentially-a miniaturist. Arthur de Greef's per-
formance of the Concerto may be looked upon as authoritative. He was a close personal friend of the composer, and the production of these records was, for him, in the nature of a "labor of love."

WAGNER

From 2CH on Saturday, May 6, at 8
p.m., the musical feature of the week is presented. Selected Passages from "Siegfried" (Wagner) will be inter-
preted by world-famous artists, the Vienna State Opera Orchestra, conduct-
ed by Karl Alwin, and the Berlin State Opera Orchestra, conducted by Dr. Leo Blech.

REQUEST DANCES

WHAT is your favorite dance number?
Let 2CH know well in advance, and it will be included in the dance pro-
gramme which is presented from that station each Thursday night.

PICKWICK

Robert Turner, in continuation of
his "Delving into Dickens" series at
2CH, on Monday, May 1, at 8 o'clock,
will present "The Pickwickians at Bath" and "Sam Weller's Evidence."  

MUSIC ACADEMY

A 2UE Academy of Music has been
formed, with the object of fitting vocalists and instrumentalists for radio performance. The academy is under the supervision of Rex Shaw, musical director of 2UE, and he has associated with him Mr. Clarence Elkin, the well-
known composer and professor of mu-
sic. Anyone who wishes to sing and play before the microphone is invited to write to 2UE.

U.S.A. TRANSCRIPTS

On Tuesday 2GB will broadcast a
series of exclusive American trans-
scripts. These embrace stories and il-
lustrations from the Masters of Music, dance programmes by the Hollywood Coconut Grove Orchestra, travelogues through American States and cities, and tense dramatic stories.
The Real John Bull And a Bit of History

Next Sunday Miss Constance Burt will sing selections from the early English Composers of the Elizabethan Era. Here are some frank opinions of the history of that time.

By Dr. KEITH BARRY

In our history books we used to learn all about Kings and Queens, and now that we have grown to man's estate perhaps some of us wonder whether they were so very important after all. In many respects that surprise may be correct, but in the history of music Kings and Queens have played a very important part. What the Court does to-day the social world does to-morrow, and when it is the custom for the highest in the land to take a keen interest in good music, then music flourishes in that era.

MUSIC IN ROYAL FAVOR

The Tudor family did much to give England the greatest period of musical development she has ever known. They were all musically gifted, and were keen on developing the musical side of the nation's life. Musicians were looked upon with Royal favor, and there was always room for good music-makers at Court.

But, even before the Tudors, the Plantagenets were awake to the charm of making sweet sounds. A choir was maintained by Edward the Fourth, who came to the throne in 1461. The same King also started a sort of Musicians' Union (peace be to his ashes), but he called it a "Fraternity and Sisterhood of Minstrels."

As a matter of fact, that body was almost a direct ancestor of the present "Worshipful Company of Musicians."

JOHN DUNSTABLE

The great name in music of that period was John Dunstable, who was the leading musician of Europe, and is yet another example of how Englishmen have been outstanding musicians. Stupid wars held up artistic development at this stage of the world's history, not the least of which were the Wars of the Roses, which, if memory serves me right, ended in 1471.

With peace declared, Henry the Seventh came to the throne, and was a reasonably good King, as Kings went in those days. He had enough sense to know that the nation was in need of an era of prosperity and reasonable security. He did his best to put down the war, and did much to stir up interest in trade and in the arts. Also, he wasn't half as cruel as some of his predecessors, which was at least something in his favor, especially when one considers that the King before him, Richard the Third, was a straight-out murderer, who was responsible for the death of the little Princes in the Tower.

HENRY VIII. AN ABLE MUSICIAN

The next King was the celebrated Henry the Eighth, whose matrimonial adventures are related by horrified school ma'ams with telling enthusiasm to all school children. Henry was definitely a Dirty Dog, so much so that Charles Dickens, in his History of England, summed him up in these words: "The plain truth is, that he was a most intolerable ruffian, a disgrace to human nature, and a blot of blood and grease upon the History of England."

In view of such a startling denunciation, it is regrettable that we have to admit that he was the only King we ever had who was an able musician, and composed music that was well thought of. Probably he was not much worse than his day and generation, a day when it was customary to take little children for a day's picnic to watch heretics burned alive and anybody who disagreed with authority beheaded.

The matrimonial Henry had some very good composers around him. Tallis was the foremost name of the time, and the responses that are used in most English church services to-day are his composition. To him we owe the beautiful hymn-tune to "Glory to Thee, my God, this night." Tallis lived on through the reigns of Edward the Sixth and Mary of the embarrassing nickname. He also saw the first twenty-seven years of Elizabeth's reign, and so is generally regarded as an Elizabethan musician.

Music, especially choral music, was much mixed up with religion and politics. Naturally, when England turned from the Roman to the Reformed Church, it meant a change in musical atmosphere. Fortunately the traditional common sense of the Englishmen prevented the nation getting fanatical over the matter and burning everything that had gone before. Instead, the musicians of the day adapted their new compositions to fit the needs of the new Church, and used much that was valuable in the old.

From Edward the Sixth onward English music shows a galaxy of stars, with names like Farrant, Byrd, Gibbons, Farnaby, Morley, and Wilbye leading the vanguard. The period culminated in Purcell, whom we have mentioned more than once in these pages. The great Elizabeth stands out as a shining beacon of light and hope in a dark period.

JOHN BULL

We look on John Bull as the personification of the Englishman. He is generally pictured as a bluff, stout old gentleman in his sixties, puffing a large pipe and accompanied by a repulsive-looking bulldog.

In actual fact, he was quite the opposite. John Bull was a famous English musician of Elizabeth's day. Not only did he write songs and instrumental pieces, but he was a famous organist, so famous that he was sought out by the city of Antwerp, and made cathedral organist. He came back to London, and was appointed the very first Gresham Lecturer in Music.

It is difficult to get the British race out of their inferiority complex in regard to music. Actually for years they led the world in music, and once again to-day some of their composers are second to none. It might help us a bit if we always remember that John Bull was a musician.
for country interests. She married in 1932 Mr. John D. Moore, architect and artist.

MISS GWEN VARLEY

MISS GWEN VARLEY, who has charge of all the women's sporting clubs and sessions at 2FC and 2BL, is one of the old brigade, though not old herself. She and Mrs. Jordan, of 2GB, and Mrs. Grey, of 2KY, have been the longest on the air. Miss Varley, who flats it in the city, is a Melbourne physical culture girl.

She became well known in Sydney through her work with the City Girls' Amateur Sports Association. 2BL started her broadcasting six years ago. Today she edits her sporting programmes for the national stations, as she would a woman's magazine. What time Miss Varley has left, she devotes to the Australian Women's Radio Association, a listeners' club with a variety of interests, ranging from sport to the making of home-made lolies.

MRS. GREY, OF 2KY

MRS. GREY, of 2KY, does not believe in such clubs. It is a mistake, in her opinion, to meet one's listeners. Women announcers should be heard and not seen. And that is the reason her photograph does not appear in this article.

A widow, she lives at Cremorne with her step-children. She is widely travelled and highly cultured. Her father was a Sydney magistrate, and her grandfather a Professor, of Sydney University. Radio debates are her forte. She gets listeners to discuss problems, through her, over the air. Frequently she invites interesting people to take the mike.

MRS. STELZER

WHEN you listen to Mrs. Stelzer, of 2GB, you can really say, "Why, if it is not my old school teacher," for she taught at Fort Street and Crown Street before leaving the Education Department to teach all musical instruments privately. She can play anything on anything. During the war she was a popular promoter of charity concerts. Mrs. Stelzer has five daughters and a son. Her main joy is her Happiness Club.

MRS. LITTLEJOHN

MRS. ALBERT LITTLEJOHN, of 2UW, is probably the only woman announcer from another station who has had this honor. Mrs. Littlejohn is one of the best-known of Sydney feminists. Her work with the United Associations has given her a large following. Her husband, who is connected with a large city firm, has never heard her speak in public or over the air.

Mrs. Littlejohn, although she never had any training in public speaking, gave her first address in Sydney Town Hall. She has been abroad four times, returning just recently from a trip to Germany. She has two daughters and two sons. Her eldest girl is married, and her youngest boy, aged 15, is at The King's School. The Littlejohn home is at Bellevue Hill, and here the younger members of the family listen in to mother, and tell her in no uncertain
MRS. JORDAN

MRS. DOROTHY JORDAN, of 2GB, hails from New Zealand. Her father was a Scottish professor, and she is the seventh child of a seventh child, so she is full of "fev." She commenced her career teaching singing. In answer to the query, "Do women announcers make good wives?" she declares that she is very happily married. She has one daughter, Kathleen, who runs the afternoon session from 2CH. The Jordans live at North Sydney.

KATHLEEN JORDAN

MISS JORDAN is an old Redlands girl. She plays the piano, and possesses many other talents, including salesmanship and a love of dogs, which she has turned to good use in her work. Her favorite topics are savouries, dogs, and books. She is the youngest woman announcer, and her dog, Tooch (2CH), the most talked about dog on the air. Miss Jordan's first broadcast address was given when she was in her "teens." She read an article from 2GB on "The Nervous Child"—and felt every bit of it herself.

MRS. FILMER

MRS. MAY FILMER, "Aunty May," of 2UE, is president of the club. Apart from her children's session in the afternoon, Mrs. Filmer is the recipe expert of the station. She was in charge of a department in a large city store before going on the air. Mrs. Filmer hails from Newcastle, where she used to sing in a choir. All her recipes are home-made, so the members of her Northbridge home must be among the best fed in Sydney.

DOROTHEA VAUTIER

ANOTHER young New Zealander is Dorothia Vautier, of 2UE. She began her broadcasting career seven years ago at 2YA, Wellington, where she conducted the children's session. After winning several championships for dramatic art, she came to Sydney, and won second place in the impromptu radio announcing competition, held during the Radio Eisteddfod, run by national stations in 1928. This led to broadcasting engagements in Sydney. Miss Vautier plays the piano, writes verse and prose, and has taken the lead in many local repertory productions. She is said to be the best radio screamer. Whenever 2UE want a blood-curdling scream for one of their plays, Dorothea does it. She is the founder and director of the 2UE At Home Club.

MYRA DEMPESEY

STATION 2CH runs a brisk morning's half-hour for women by Miss Myra Dempsey. Miss Dempsey, lately recruited from the ranks of motor selling, has turned with yin to selling cooking ideas. She also deals in vocational guidance—in fact, anything from soap to psychology, if there is a signature on the dotted line.

AUNTY VAL

ANOTHER Aunty is Aunty Val, Miss Muriel Valli, of 2GB. Like Norah MacManus, who has just joined 2SM, she hails from the musical comedy platform. A Sydney girl, Miss Valli started with J.C.W., dancing, singing, and doing pantomime work. She has travelled with shows all over Australia, and to Africa, China, and Japan. She spent twelve years in America as an entertainer, her brother playing her accompaniments. She now lives with her and his wife at Wollstonecraft. Her Blue Bird Club for good children is very popular.

HELENA ROLAND

STATION 2UW has a new recruit to radio announcing in young Helena Roland, who has temporarily taken the place of the versatile and volatile Louise Homfray, at present in Melbourne. Miss Roland is doing the women's session in the same way as her predecessor. Her newspaper experience should be useful.

CLOTHES

KATHLEEN JORBY will address women through 2BL on Monday, May 1, at 4:30 p.m. on "Fashions and How to Wear Them." Miss Joby will emphasize the importance of details, describing the little extras that can make or mar a charming frock. For instance—the hat to be on at the right angle. Very often in a hat department in a shop women are seen trying on dozens of different kinds of hats, expensive and otherwise, and are seen just slamming them down on their heads in any old way. The Parisienne can give points to every woman in the world. She takes infinite pains and trouble over trying on the all important headgear. She pushes and pulls until it is "just so." She knows that the correct angle is going to make all the difference to her ensemble.

WHAT IS POSTURE?

WOMEN may listen to Miss Freda McGhee's series of talks on the air from 2GB on special subjects connected with the modern cult of posture. These commenced on April 18 on the subject, "What is Posture?" Then follow: "Outstanding Features of This Season's Smart Clothes," "What's to be done about Your Hips?" "Some Rules which Go with the Fashion World," "What Have You Done to Your Face?" and so on. Listen in every Tuesday and Thursday at 3:45 p.m.
MACKSVILLE LISTENERS’ LEAGUE

ON Tuesday, April 11, an enthusiastic body of listeners-in attended at the Macksville School of Arts, in response to an invitation issued by Mr. J. H. Wall, as convenor, for the purpose of forming a Radio Listeners’ League.

In explaining the object of the meeting, Mr. Wall said that a recent petition from local users in regard to interference with radio reception by electrical appliances in Macksville had had the effect of a visit from a radio inspector. Several appliances were found to be faulty, and, whilst some had been rectified, many were still causing considerable “noise,” and until all these had been attended to, reasonably good daylight reception could not be expected. The object in forming a league was to obtain the united effort of a body to combat this trouble. In many centres similar bodies were doing excellent work.

Those present agreed with Mr. Wall’s remarks, and thereupon decided to form the Macksville Listeners’ League.

Officers elected were:—President, Mr. J. H. Wall; secretary and treasurer, Mr. W. B. Wilmsey; general committee, Messrs. J. G. Lack, A. Giovannelli, and K. Brunsden; technical committee, A. W. Chapman, C. Czisz, and F. C. Bishop.

The annual member’s subscription was fixed at 2/6.

The secretary was instructed to communicate with similar bodies in other centres, with the object of co-operation, and to obtain information of value to the league.

The league would be glad to co-operate with any league for the improvements desired, and the secretary will be glad of correspondence with that end in view.

NEW SCHEDULES

The new programme schedule for 2FC and 2BL was long overdue; although it was not to have been expected that the Commission would make the necessary alterations without thoroughly testing listeners’ requirements.

The main criticism of the new roster (a graph of which appears on page 9) will come from those people who hold the view that the day sessions, mainly composed of social gossip and recordings, should be left to the B stations, and the money so expended at present directed into producing evening entertainment of the highest standard, this being the Commission’s chief function.

Such a drastic change was not likely, however. Anticipation of the vast amount of criticism that would be levelled against the Commission by its real critics—the listeners—at any curtailment of present services precluded revolutionary experiments.

In any case, it is extremely debatable whether the day sessions could be safely left to the tender mercy of the B stations. The national stations have built up reputations as providers of very fine utility services since the earliest days, and it was not, likely, or advisable, that they should relinquish these claims to the younger stations, especially as these have not sufficient power or range for a coverage as wide as the A stations.

The B stations, after all, are more concerned with their affairs as private businesses, and there is much broadcasting material available which cannot be looked upon in a profit-making light, but which, nevertheless, is extremely interesting and informative from a listener’s point of view. It is such day-time transmissions which the Commission is making its special domain.

The only other criticisms of the new roster will be from those who have hoped for an extended news service, and those enthusiastic community singing listeners who have been annoyed by the studio announcer breaking in on items to give the 10-30 weather report.

THE MELBOURNE EXPERIMENTAL RADIO CLUB

THE above club having settled in its new club rooms at 234 Church Street, Richmond, Victoria. The membership has grown, and now stands at 48, and new members are joining every week. The club has obtained a licence for a transmitter, and will be on the air on 40 metres within the next few weeks. A large class for the A.O.P.C. has started, and is in the capable hands of Mr. W. Fitzpatrick (VK3WF). A debate will be held by the members, the subject being “Transformer v. Resistance Coupling,” and will take place on the 2nd inst. Intending members who desire information re club can obtain the same from the hon. sec. Mr. David Leber, VK3OL, 422 Bridge Road, Richmond, Victoria. Phone, J3267.

WORD COMPETITION

EVERY Sunday night at 8 o’clock a studio presentation is made by the 2UE Dramatic Players, directed by George Edwards, under the personal supervision of Lionel Lunn. In connection with these popular plays a word competition is conducted. That is, the announcer names a certain word, which will be heard repeatedly throughout the play, and listeners are asked to count the number of times it occurs. Your answer is then submitted, and the winners receive prizes to the value of two guineas, fifteen shillings, and five shillings. For further particulars of these weekly competitions tune in to 2UE on Sunday next.

In the Russian Choir programme on Thursday.

TANIA BERESNIAKOFF
Soprano.

WILL COTTERELL
choirmaster.
HOWLERS and HANDCLAPS

Church service relayed by 2YA Wellington (April 2):
"We will now stand up and sing 'Is there any room for Jesus?'"

Uncle George, 2GB (7.32 a.m., April 3):
"Now, you just go along and get a bottle of this soup; it only costs 10d per tablet."

Uncle George, 2GB (5.50 p.m., April 5):
"You can buy a large quantity of meat during the winter, and store it in this latest model refrigerator. It is so economical—the more you buy, the less it costs."

Frank Hatherley, 2BL (8.25 p.m., April 3):
"Three wives in the audience enjoying community singing want their husbands to put the kettle on before they come home."

Announcer, 2CH (8.6 a.m., April 5):
"That was the 'Deathless Army' bought to you by M—'s store."

Uncle Don, 2KY (8 a.m., April 6):
"She is having four candles with a cake on it."

Announcer, 2UE (8.25 p.m., April 6):
"—will sing 'The Girl I Left Behind,' accompanied by Don Bradman."

Uncle George, 2GB (5.30 p.m., April 7, reading birthday greetings:"
"Maisie B— of Ashfield, sends 'Many happy' to Bimbo and asks what Bimbo is like.'" Pause; then, with deep feeling, "Like nothing on earth."

Announcer, 4QB (5.30 p.m., April 8):
"You've just been listening to Will Fyfe, Scottish comedian—he's been on the bottle."

Arnold Trelor, describing Victoria Park races, 5CL (1.42 p.m., April 8):
"He seems to have broken something—Little Girl—(then correcting)—she may have broken something."

Uncle George, 2GB (5.15 p.m., April 8):
"What do they get for being married 40 years—a lot of sympathy."

Announcer, 4BH (11 p.m., April 8):
"We are closing down now until lunch time to-morrow, when you will hear a programme brought to you by 2—'s Salta."

Uncle George, 2GB (7.47 a.m., April 9):
"That record was 'The Girl of My Dreams.' You will now hear 'You Didn't Have to Tell Me.'"

Announcer, 2UW (8.35 p.m., April 8), at the Venetian Carnival:
"Following the 'Goddess of the Air,' its launches equally brilliantly lit, but not quite so brilliantly lit."

Captain Stevens, 2BL (1.50 p.m., April 9):
"Each elephant is in charge of one keeper."

Uncle Frank, 2GB (5.30 p.m., April 9):
"A young couple married a whole 365 days, end in their honor Gwen is going to sing this hymn—'Nearer, Still Nearer.'"

Peter Dawson, 6WF (8.50 p.m., April 11):
"I would sooner tour with a pianist than with a vocalist or other instrument."

Announcer, 4BR (7.15 a.m., April 13):
"The band will play Hall's 'B.B. March—you can interpret it for yourself."

Sunrise Sam, 4BC (6.45 a.m., April 13):
"The public are indebted to the generosity of Messrs. C— and F— for the broadcasting of the Blackstone Ipswich Oysterfeed—sorry Butted off."

Mrs. Stelzer, 2GB (3.37 p.m., April 14):
"We will now have some music, being 'To My First Love' (1), and 'You Had Better Ask Me.'"

Announcer, 2KY (9.30 p.m., April 14):
"'The Ragged Trousers' will be presented in three parts—I mean the play, NOT the trousers."

Mr. Gordon Bennett, 2UE (6.48 a.m., April 14):
"As much as £250 was paid for a female cow."

Announcer, 2KY (9.50, April 14):
"That's better—we were talking through the wrong microscope."

Racing announcer, 2FC (5.33 p.m., April 15):
"No one. Peter Pan, on J. Pike, 1st."

Goodo, 2KY (7 p.m., April 15):
"We will now continue with F—'s dance programme. We have a very full crowd here to-night—I mean the hall is very full.

Announcer, 2BL (8.5 p.m., April 15):
"We hope that you will all enthusiastically join our programme."

M. A. Ferry, describing the Sydney Cup (April 17):
"They are now giving the winner a Harry Luder donation—a round of applause."

Announcer, 2BL, dance night (10.42 p.m., April 15):
"The A.B.C. Dance Band will play for you crazy people."

Auntie Val, 2GB (8.50 a.m., April 17), Tiny Tots' Session:
"I'll give you a picture of my dog and myself with it."

Dr. Rumble, concluding talk, 2SM (8 p.m., April 16):
"Goodnight, I shall see you all next Sunday night."

Mr. Ferry, 2FC (12.48 p.m., April 15):
"Now six chestnuts are going to the barrier together, one after the other."

Auntie Val, 2GB (4.35 p.m., April 17):
"So, if you have a painful toe, why not go along to chiropodists and have it removed painlessly?"

Announcer, 4BH (3.50 p.m., April 18):
"We will now have 'Round the World by Air.' Just hang on.
Between You and Me and the Microphone

THE TIDE

THERE is a Tide in the Affairs of Men—Bill. Some time ago "The Wireless Nuisance" (not us, but just-neighborly loud-speakers) provoked discussion in Sydney's dullest newspaper, and a gentleman said that that was what was needed, so the proposition was done one. "The difficulty of arranging such a deputation," said the gentleman, "is undoubtedly great, because we victims, although numerous, are scattered. However, I have the following proposition to make. Those who are prepared to assist, if they will send their name and address, I will arrange a meeting at a convenient place in town and acquaint them of the exact time and place of such meeting. This seemed to me, after we had made allowance for that tormented redundancy so characteristic of the works of genius, to be a fair enough proposition, so we sent the gentleman this letter:

Dear Sir,

We are one of the scattered victims you refer to so feelingly. Count on us.

Yours faithfully,

James James James.

In two days the gentleman replied:

Dear Sir,

It is a great honor that such a famous name should be enrolled on the roll of fighters for peace and quiet, and we hope our association may be mutually beneficial to all concerned. The meeting will be in deep secret tomorrow night at eight o'clock. A closed car will call for you at your home, and on repeating the pass-word, "Blankybloo," you will be taken in to our conference, where the enclosed card will admit you.

It will be unnecessary to bring firearms, as these will be supplied at the conference in case of emergency, or if any untoward accident should occur.

Yours truly—but we must not disclose the name.

So on the following night, at eight o'clock, we were waiting on the front steps of our home. We wore our new suit, the green worsted—they are very fashionable just now—with the delicate heliotrope stripe, a beautiful orange-tie (we must show it to you one of these days), our new white canvas shoes with black leather facings, and our new dark green hat (black and white, and red-and-white), pulled well down over our eyes; for, of course, we did not wish to be noticed. That was why we took such care—that our underwear was merely black silk with only plain maroon spots on the trousers, and very little lace. Naturally, we had cut off all marks of identification. At eight sharp a dark 1933 model limousine, custom built, using the new over-and-under system of lubrication (without which no car is perfect), internal control, lock-knit brakes, floating power, four complete wheels, and one inside to drive it with, drove up the palm-lined drive to where we were standing; the chauffeur threw the door open; we climbed in; the chauffeur pulled the door shut, and we sank back on the silken cushions as the car drove away, murmuring: "Pray heaven none has witnessed our departure!"

When we arrived at wherever we went (for we do not know to this very day) we were ushered from behind, a bandage was tied roughly over our mouth and eyes, and we were hurried across a pavement, down a corridor, into a lift, up in the lift, down another corridor, and into a room, where a buzz of voices ceased as someone untied our bandage. We were in a great room, where hundreds of men, all wearing masks, sat at little tables; we were standing on a dais, and a big man in a mask who stood next to us said: "Gentlemen, we are fortunate enough to have with us to-night Mr. James James James, the world-famous radio authority, who will lead the discussion on loud-speakers, speaking with expert knowledge." Now, you might have thought, that was a nasty position to put poor James in; but that was a tough thing for the chairman to spring on him without warning; but we assure you all emergencies find us prepared, and we at once launched into the following harangue:

"Gentlemen, as you all know, we are a great wireless authority, and we have studied this case very carefully; loud-speakers, gentlemen, have two sides to them. One is the loud side, the other is the soft side, and it is always best to get on the soft side of a loud-speaker, because otherwise she can make life pretty unpleasant for you.—(Applause).

"What we have to do, gentlemen, is root out this menace in our midst to our peace and quiet, because, after all, what has Jack Lang done for us? He—" (Here the speech was interrupted by repeated applause, cat-calls, and cries of "That's just it!")

When the noise died down we continued in our pleasant, conversational style: "After all, gentlemen, a fair thing's a fair thing, and there is no doubt whatever that gentlemen prefer blondes, but if they go on using this peroxide none of us will be safe, and we may as well call in the New Guard Morality Squad—" (Cries of "Hear, hear!"") And then we shall have loud-speakers, indeed! Indeed, it is hard to say what is coming over this country. We look forward and what do we see? Do we see a vigilant Navy? Do we see a healthy Army? No—" (Great applause.) "We see that the country is going to the dogs."

"Tremendous cheering, and the speaker's voice sank to low, impressive tones.) "We see a country that has lost its dynamism! And that is the whole trouble, Mr. Chairman and Gentlemen; it's dynamic speakers that are at the bottom of it, and we must see some way out of it, or else we perish from the earth."

Well, after this terrific speech, on which we were congratulated by everyone, several motions were put to the assembly, as the result of which we became Head Chief Commissioner of the D.D.A., the Dynamic Association. There are branches everywhere, and our membership (kept secret, with no rolls except at the head office of the association), is rapidly approaching the hundred-thousand mark. This rapid rise is attributed to our superlative ability to fool the mob, that is, to the splendid sincerity and persuasive force of our personality. They have already voted us a motor car to organise in (and we have already had some very dainty little organisations in it), and a salary of £6000 a year, although this is not known to the members, but subscribed by some backers of a political association, who hope that we shall remember them when the time comes.

So we are doing very well, you see, dear Editor—you'd scarcely have thought we had it in us, would you?

(I hope you will not leave the paper, James, dear.)

-Ed.

Perhaps not yet, awhile, dear Editor.
LOOKING IN ON LISTENERS IN BY wef

THE RADIO DRAMA

THE SAFETY VALVE

ARCH PIRATES

Dear Sir,—I note in your issue of 14/4/33 an article by Mr. H. P. Brown, headed “Campaign Will Not Relax.” I was interested, as I hoped the article would refer to a campaign being, or about to be, instituted against that arch pirate, the licencing branch of the P.M.G.’s Department, the word pirate meaning, among other things, “a robber who extorts by violence or intimidation.” I was really surprised to read “Wireless Weekly’s” version of the word. I will candidly admit that I would, if possible, run my radio receiver without paying the high fee demanded by the P.M.G.’s Dept.

Unfortunately, I am one of the many thousand conscripted licence holders, I and many thousands of other “listeners in,” never tune into the “A” stations. Why should we be compelled to pay for their upkeep? The recently published accounts of the wireless branch show an item of £2,800, under the heading of supervision and cost of issuing licences. Superannuation and pensions ran away with £375. Are the 369,000 licence holders in Australia going to pay for an unwieldy and expensive Government hobby to keep a numerous staff in jobs? And now, above all, the last three years show a surplus of £136,000. Ye gods! I can see that the Captain (with many apologies to Captain Kidd) is going to make sure of those superannuation and pension items appearing in favor of his merry men for many years to come.

I suggest the following by way of a challenge to the people who fix the price of licences. Shift all “A” stations to above 330 metres. People operating such sets not to be liable for a licence, as they would only be able to tune in the “B” stations. The people who wanted the “A” stations could pay for their upkeep, and thus fair and equitable justice would be done to all. It is time that the 369,000 licence holders in Australia got together and asked the candidate for their favor at the next Federal election to state definitely what his opinions are. In conclusion may I state that it would be quite easy for the department to issue licences quarterly instead of insisting on people paying the whole sum at once.—Yours, etc., P.

STAMP COLLECTORS

Dear Sir,—The grievance I have is against some of your B stations not verifying reports. I think that if stations wish reports they should be good enough to send some acknowledgment.

Wollongabba, Brisbane (April 15).

Most Efficient Service

Bookbotes

Dear Mr. Wall,—

I posted you a letter to-day in Sydney, regarding a trouble which has developed in my set. You were good enough to answer the query over the air-to-night. Seeing that the letter was only posted to-day, in addition to the fact that I was the second one called, I think I occasion calls for special comment. Directly speaking, I did not expect to hear from you until next week; and only for the fact that I thought each week, I would have missed the call. I desire to take the advantage of thanking you for the most efficient service I have ever been credited with. Will take your ad- vise in purchasing next week’s “Weekly,” although I never miss a copy.

Yours very sincerely,

SCHOOLBOYS

Dear Sir,—I beg to be allowed space to stress my opinion of the criticism levelled at the A.B.C. programme directors over the choice of selections. I think that your paper should set aside a special page for the so-called critics, and label their letters “Schoolboy Howlers,” as they must be in possession of very old sets, and can only tune into the principal broadcasting stations.

I myself have not found fault with their programmes, but, should anything “come over” that I do not wish to listen to, I tune into a B class station, where one can wait until the required time has passed.

Before concluding, may I add a little word of praise for the way that some of the B’s conduct their programmes, viz., 2HD, which is, in my opinion, the best B station on the air.—Yours, etc., J. A. PEARSONNE.

W. Maitland (April 18).
A Suggestion—The “Novel A.C. Superhet.”

FROM EXPERIENCE “THE WIRELESS SHOP” RECOMMENDS ANY SET DESCRIBED BY “THE WIRELESS WEEKLY’S” TECHNICAL EDITOR. BUT IT HAS A SPECIAL WEIGHT FOR “SUPERHETS” WITH ITS RELIABLE AND LONG-LASTING POWER SUPPLY, ITS KNIFE-EDGE TUNING, SUPER SENSITIVITY, AND EXCEPTIONAL TONAL QUALITIES.

The complete Kit of Parts, with Westinghouse Relifiers, and all Parts, exactly as specified, Man-Rad or Radiotron Valves, Drilled Chassis, and Amplion or Jensen Speaker...

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High voltage, 3000 volt test; 4 M.F.D. Condensers, suitable for direct-coupled sets. 7/6. Dimensions in 3/8 in.

FOUR-VALVE BATTERY AUTODYNE (SUPERHET).
(Described March 24.)
Full Kit of Parts, as specified, with Man-Rad or Radiotron Valves and Amplion LI Permanent Speaker... £15/5/
Complete, Tested, and Guaranteed... £15/10/-

THE “SIMPLIFIED SUPERHET.”
(Described Feb. 16.)
Kit of Parts. Complete... £15/6/-
All Parts are Guaranteed exactly as specified, and price includes Radiotron or Man-Rad Valves and Amplion or Jensen Speaker, Drilled Chassis, and all small accessories. It helps to build it out £11/5/.

Complete, Tested, and Guaranteed, with Equipment as above.

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High Impedance Audio Chokes... 9/6
Audio transformer... 1500v, 5/9
B Class Push-pull Transformers, Input and Output... 9/3

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YOU’LL GET THE SUR- PRICE OF YOUR LIFE
Send us £5 for the completed five
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and if, on receipt of same, you are not satisfied that it is THE BEST VALUE YOU HAVE SEEN, return within 10 days, and we will refund the purchase price in full.

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3mf, 1500v, 2/6
5mf, 2000v, 2/6
10mf, 1500v, 3/3
20mf, 3000v, 4/6
50mf, 5000v, 5/6

THE ONE VALVE RECEIVER FOR BEGINNERS
25/- will buy the parts to build a complete chassis, as described in “Wireless Weekly.”

THE CHAMPION RECEIVER FOR 1933
Superheterodyne design, and construction, Reliable Short Wave Receivers, Superhet, Short Wave Converter, An Inexpensive Transmitter.

Used by “Wireless Weekly” in “The Standard Midget.” VOLMAX COILS.

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Screen Grid Clips, Nickelised, per dozen... £1/6
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Weldon 01 Tubular Condensers, 1500 Volt Test... £1/6
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Polymer, Sprague, or T.C.C. Elect. Condenser, £6/6...
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Transformers, 275 Volts Steady, 4 Volt A Amplifier, 2.5 Volt B Amplifier, 2 Volt C Amplifier... 12/6
Power Chokes, 8 Henry 100 Mills, Shielded New... £9/7/6
2500, 5000, and 16,000 ohms Wire-wound Potentiometers... £5/6

QUARTZ OSCILLATOR, MATCHED to £1 of 1 per cent.
List Price, 3/- per Coil. All Types.

FERRANTI A-F.19 AUDIO TRANSFORMERS
(5 to 1). Now 6/6. A Few Only.

THE GOLDEN SUPERHET.
(Described March 17.)
The Full Kit of Parts, with Jensen or Amplion Speaker and Philips Valves, everything exactly as specified, including drilled hands and all small items—wires, screws, etc...

Complete, Tested, and Guaranteed... £13/17/6

THE CHALLENGE OF PRICES

SPECIAL WORD FOR THE “NOVEL A.C. SUPERHET.”

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GUARANTEED FOR ONE YEAR

The New Truvoice Condenser
Single Condensers... £2/6
Two Gang... £3/6
Three Gang... £5/6
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VOLTAGE DIVIDERS TRUVOICE
50000, 3/6. 15000, 2/6

25,000, 3/6. 15000, 2/6

STROMBERG-CARLSON

YOU CAN’T BUILD A BETTER SET THAN THE BELL-BIRD EIGHT
Ask the man who owns one.
Class "A" Amplification. Paris Cost Dual Dynamic Speakers £18/-.

WIRELESS WEEKLY, APRIL 28, 1933

22
On the right, we reproduce a few typical headings about "starting" developments. None of the "revolutions" have been improved like that; so forces at last took place, and in this article we do a little gentle de-bunking. At the same time indicating the true and natural direction of wireless receiver design.

WILL the radio set of to-day be out of date to-morrow? This question is being freely debated at the moment. Partly because the new radio season is just starting, and all the new models have been announced, and partly on account of some startling developments which have been published in the daily Press. In the past, radio set design has progressed fairly rapidly, and at the moment most of the sets of two years ago can be considered as obsolete to-day. But will the pace be maintained? In spite of the startling claims which abound to-day, we feel that in future the improvements in design will be more in the way of refinements than revolutions.

PAST DEVELOPMENTS

Looking back over the advances made during the past ten years the principal thing which stands out is the way in which the fundamental circuit has remained unchanged. In other words the brilliant, and in many cases reckless, developments have failed to make good on the market, and the more conservative designers have triumphed in the long run. It must not be imagined that we mean that sets haven't improved so much after all, or anything like that. They most certainly have been improved out of all recognition. But to consider the fundamentals, let us take valves for a start—withstanding several claims made, up to ten years ago, that high tension supply could be abandoned, we still find that a reliable source of high tension is needed. Then came the valves which needed no filaments, and even up to a couple of months ago they persist, but to-day there is not a set on the market with valves needing no filament heating. There is a possibility that in three or four years' time the filamentless valve will appear, and even sooner the metal-rectifier type detector may make its appearance in commercial receivers, but the sets themselves will not necessarily be changed to any great extent to accommodate these valves. In other words, the sets of to-morrow will probably tune in 2BL in just the same way as they do to-day (unless someone has a go at fixing up 2BL's transmitter in the meanwhile). Once upon a time, when batteries were needed to heat the filaments of the valves, the idea of a valve without a filament was something to write home about, but with modern power transformers, a filament winding or two is only the order of a few pence, and the difference in running costs negligible. So that even if valves without out filaments (the most revolutionary idea of recent years) became practicable, they would not by any means make the present-day sets any less efficient than they are at present.

THAT CABLE FROM ENGLAND

The cable from England about the journalists being dumbfounded by the new developments which have made all other sets obsolete is particularly inaccurate in many details. Most of the breath-taking revolution business refers to quiescent push-pull, a modification of class B amplification, which was fully worked out in Australia years ago. When "Wireless Weekly" introduced it to Australia in the "100 p." battery set, it certainly helped to make battery sets capable of greater volume for a given battery consumption, but there are still thousands of battery sets using other audio systems, and if you told their owners they were obsolete, you would probably get a sock in the nose. At any rate, the idea of a journalist being embarrassed by too many new ideas to talk about is in itself absurd. From what we see of the English magazines, they have worked the ordinary circuits from every conceivable angle, and the majority of the technical magazines could very well do with a bit of brightening up with fresh ideas.

THE FILAMENTLESS DETECTOR

In the English cable a good deal of attention was paid to the filamentless detector valve, but again anyone
who wishes to deprecate this item can cast a Byronic crystal detector. Whilst it would not be fair to treat this detector in such a slighting way, because it has certain possibilities, it is also quite senseless to rave about such a detector making all other sets useless in comparison. It lacks the ability to amplify as well as detect, and its only real advantage over the crystal detectors of years ago is the matter of standing larger signals with reliability.

**TWO VALUES IN ONE ENVELOPE**

The same cable tells of two sets of elements inside one envelope. This is not news to us in Australia either, the Radiotron 79 type valve having been launched by the Australian distributors for the past couple of months. Fitting two sets of elements in one envelope may reduce the cost of production by a small percentage, or may allow for the construction of a compact receiver, but we repeat that it isn't the sort of thing which is going to make all present-day receivers obsolete to-morrow.

**MIDGET SETS**

In nearly every factory in Sydney there to-day rests under the bench in the technician's room a sample or two of the latest type American cigar-box models, of the type detailed in "W.W." a couple of weeks ago. They all seem to think that in the near future they will be able to turn out sets to the market with these and catch the whole trade in one big bang. It is open to question whether this will be so, and from the results we have heard from them we feel that any self-respecting Australian wouldn't allow one in the house at any price. However, one never knows, but say that these baby midgets do take on—the present sets won't be made obsolete by them. As they used to say in the old days of the "T" model: "Even if Fords do sell in large quantities, there is still plenty of market left for cars." The midgets can only be considered as accessories in homes already possessing a real radio set, or else as stepping stones by which people will learn the use of the radio and having acquired a midget will soon get up an appetite for a real set. These remarks do not apply to the proper midgets, of course, only to those cheap American rattlers which have an undistorted output of about a quarter of a watt, but are operated to deliver about 2 watts with 90 per cent. distortion.

**TELEVISION**

There are roughly one hundred and thirty television receivers who wish in Australia that can put its signal through at greater strength than the normal "noise level" of the atmosphere. It will separate all the local stations readily, will bring through the reproduction so that you can readily tell the difference between a music and not, and deliver it with sufficient volume to be heard all over the house. It will run for at least 1000 hours without attention, and at a running cost of about twenty hours' service for one penny's worth of electric power. How can such an instrument be made entirely obsolete?

**THE AMERICAN MARKET**

It is significant that the March issue of "Electronics" (New York), previously considered as a technical magazine, spreads itself mainly on the topic of the appearance of radio sets. The leading technical (?) article is headed (across two of the most prominent editorial pages), "When Will Radios Be Styled for Sales Appeal?" The actual Editorial column contains an article headed, "Designing Radios for Increased Sales," and another panel gives details of the "radio factory" by the National Alliance of Art and Industry, at which leading designing artists will speak on the subject of the styling of radios. It looks as though the modern superhet will do everything required of a radio set, and that further improvement can best be carried out in the matter of appearance rather than performance.

**THE EXAMPLE OF THE CAR**

Taking the car as a standard for comparison, we can say that the development of the motor car was at first very rapid, and the change in design of cars from 1904 to 1914 far greater than from 1923 to 1933. Of course, opinions vary, but the average would probably place the radio to-day at the 1923 mark in the history of the car. A good car of 1923 vintage could do its sixty miles per hour, 20 to the gallon, and cut across rough roads with fair stability. To-day the latest car does the same, possibly a little more speed, maybe a mile or two more to the gallon, and ride with slightly greater stability. For us to forecast what radios will be like in ten years' time is a big task, but we fancy that as regards sensitivity, selectivity, and economy, they will be little ahead of those of to-day. Probably the biggest improvement lies in the direction of improved fidelity.

**WHAT MORE CAN YOU ASK?**

Another way to look at the question is to consider the capabilities of the present sets. A good superhet of six valves or so will play every station in Australia that can put its signal through at greater strength than the normal "noise level" of the atmosphere. It will separate all the local stations readily, will bring through the reproduction so

---

**DEALERS ARE KEEN BUYERS**

Country and Interstate Enquiries invited for Special Trade List.

**UNITED RADIO DISTRIBUTORS**

1216 York Street, Sydney. Phone, B9639.
WHEN RECEPTION IS HAZY OR BLURRED

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Watch for future announcements with regard to the Marvellous "KEN-RAD ACREMETER"

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EASTERN TRADING CO. LTD.
SYDNEY & MELBOURNE
RAYCOPHONE HAS
ALL THE FEATURES

A full range of Superheterodynes,
all-electric and battery models

FREE COVER INSURANCE SCHEME for 18
months.

MOST SENSITIVE VISUAL TUNING METER.

DUAL SPEAKER for perfect reproduction.

AUTOMATIC VOLUME CONTROL SILENT
TUNING.

BAND PASS STAGE, Etc., Etc.

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Write for copy of
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Photo Radio Cine Merchants,
286 George Street, Sydney.
Tel.: BWz1.
And at Brisbane, Melbourne,
Adelaide, Hobart, Perth,
Newcastle and
Katoomba.
African evening. Changing stations, but MORNINGS are excellent.

Back to the 25 metres band, and FYA, better known as Radio Colonial, is also heard at maximum strength in musical numbers. At 5 o'clock our other Moscow friend, RW95, affords further variety on 50 metres, with volume to spare, the playing of the "International," from a musical viewpoint, being excellent.

Then a very sharp contrast is quickly provided by tuning in GSC (Empire) at 5.30, when the first thing heard is the announcement by a clergyman of the singing of the hymn "When I Survey the Wondrous Cross," the singing of which was heard very nicely. At this hour there was no sign of the dual transmission of the Empire on the 55 metres band, but on this band, 12RO (Rome) was nice speaker strength. At 6 a.m. RW95 (Moscow, 50), after being closed for a short period, came on with the usual English session, at maximum strength. On a recent morning this station, by the way, made reference to the case of the English citizens now on trial at Moscow.

Shortly after 6 a.m. Radio Maroc (32 metres) commenced their usual Monday morning session, but on this station there was a rather noisy background. Then we heard other well-known transmitters on the 31 metres band, such as DJA, WX1XAZ, W3KU, the latter very weak. Later in the morning (around 9 o'clock), WX8K (25.25, Pittsburgh) appeared to strengthen considerably. In fact, this station has improved to such an extent that, for some time, WX8K has been on the air nearly the whole of the day. However, WX8K is not the only station heard at this time. Several of these will give very fair speaker reception, even on only three valves.

WHAT OF EVENINGS

The greatest improvement is noticeable during morning hours, when there is quite a wide choice, not only of stations, but of programmes. For instance, at 4.15 a.m. on Monday we tuned in the Empire broadcaster for the African Zone on 31.30 metres (GSC), with the programme of the B.B.C. as transmitted in London the previous evening. Changing the coils, we crossed over to Moscow, where REN, on 45.80 metres, is heard with an excellent orchestral selection, which came through at full speaker strength, clear as the proverbial bell, no fading or distortion. Really excellent reception.

The static bugbear, generally troublesome on these bands during summer months, is now rapidly disappearing. Back to the 25 metres band, and FYA, better known as Radio Colonial, is also heard at maximum strength in musical numbers. At 5 o'clock our other Moscow friend, RW95, affords further variety on 50 metres, with volume to spare, the playing of the "International," from a musical viewpoint, being excellent.

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WHAT OF EVENINGS

Unfortunately, just at the present there is not very much in the way of regular entertainment in the early evening. Our own Empire station, so far as the Australian zone transmissions on either the 31 or 25 metres band is concerned, has practically faded right out of the picture these evenings.

But before 8 a.m. listeners can fairly often derive a mild thrill by tuning in a distant Egyptian station at Cairo, SUZ, on about 21.70 metres. This station is a radiophone transmitter, and usually works Bagdad between 4 and 6 p.m.

The first regular station now heard these evenings is J1AA (Tokio, 38.07), which comes on the air around 8.30 p.m., and now provides a good deal of western musical programmes, but certainly still also transmits an outsized in programmes of purely Oriental melodies (?). This station is now heard very strongly until late evenings.

Whilst the music of the Oriental type is sometimes weird, indeed, our experience shows that large numbers of folk who drop in to hear overseas stations almost invariably ask for the Japanese station. Another foreigner providing fine signals at night now is the Khabarovsk (Eastern Siberia) station, RX15, up on 70.2 metres. Here the music is in direct contrast to that of J1AA, and is usually of a high-class character.

Static is also slowly disappearing from this band, making reception very enjoyable. For some reason, RX15 has not been on the air very frequently during the past fortnight. It can be heard as early as 7 p.m. at fair strength, and rapidly increases in volume as the evening advances.

Another foreigner is also audible on the 45 metres band after about 9.30, and is probably located in Java, where PMY (55 metres) also transmits nightly from 9.46 p.m. until after midnight. It also provides excellent musical fare. Our old friend, WX1XAZ, varies the programme at 10.30 with its morning melodies, but volume is rather on the low side just now. Bandong (Java) is heard most nights at periods between 9 and 11 o'clock, with musical interludes, and on Sundays, it is heard on the radiophone with Sydney and Holland.

At 11 p.m. Bandong is usually full speaker strength, and at this time the dial-twister will also find FYA (Paris) on 19.65 metres, almost equally strong. Half an hour later comes the Empire station, GSB, on the 31 metres band, transmitting for the Indian Zone.

AMERICANS IMPROVE

A rapid improvement has taken place in signal strength of the Americans heard here during the late afternoons. Here it might be said that the best opportunity of hearing these stations is Sunday afternoon from about 3.30 onwards. At noon W8XK can be heard at fair phone strength, but weakens a couple of hours later, when WX1XAZ begins to improve. But it is on the 48-49 band that the greatest improvement is noticeable.

The Pittsburgh transmitter, W8XK, on its other wavelength of 48.86 metres, is heard excellently after 3.30 p.m., and on Sundays will be heard until late in the afternoon. On March 9 we heard W8XK until about 5.30, when innumerable messages of a personal nature were transmitted to far-distant American citizens from their relatives and friends.

On the same afternoon W3XAL, on the 49 metres band, was also good speaker between 3.30 and 4 o'clock, when it closed. Another station not much heard for some time, and which showed much stronger signals, was W8XAL.
The manufacture of Darwin Magnets

DARWIN MAGNETS RETAIN THEIR MAGNETISM

ONLY THESE HIGHEST GRADE ENGLISH MAGNETS ARE EMPLOYED IN AMPLION PERMANENT MAGNET DYNAMIC SPEAKER

Just released, the new AMPLION Permanent-Magnet Dynamic Speaker, Type "O."

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Also available, larger type Permanent-Magnet and full range Electro-Dynamic Speakers. Write for Publication B3A, giving full details, illustrations, and Prices.

FITTED IN ALL GOOD RADIOS

SPEAKERS (A/SIA) LIMITED

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Telephone: BW1114

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Sole Licensees and Distributors of Amplion Products throughout Australia and New Zealand.
ON THE HIGH FREQUENCIES

10, 7, and 5 Metres

Ham Notes By W. M. Moore, VK2HZ

PROBABLY the most interesting field open to the experimenting amateur is that of high-frequency reception and transmission—the wave bands allocated are from 5 to 5.3 metres and 10 to 10.7 metres.

The last-named has been used consistently for the last five years, and results have been so varied that no concrete theories could be evolved regarding the behaviour of signals. One day during a year it would be possible to communicate with America, while on the other 364 it would be an impossible task—which day of the 365 no one could tell.

It was this fact—the uncertainty of things—that appealed so much to the enthusiastic experimenter, and afforded an opening for co-operation. The past summer proved an excellent occasion for 10-metre experiments; here in N.S.W. the number of transmitters on the band showed a large increase on any previous summer.

Many outstanding interstate contacts were made, and yet another theory was shattered—it had always been the view that interstate communication was dark an impossibility on no fewer than seven occasions that came to our notice—VK5HG, of Glenelg, South Australia, one of Australia's leading high-frequency experts—communicated with five States, and obtained 15 contacts in the space of a few hours. To anybody knowing the peculiarities of 10 metres, this is remarkable.

This was not due so much to conditions as to the co-operation that was the vogue last summer.

The other mentioned waveband, 3 metres, is of more recent import. Great prominence is given to it in America, as a forerunner to a house-to-house radio telephone.

The behaviour of signals on 5 and 10 metres are very varied, and are in no way connected. On 5 metres the range is very limited, and when communication over any distance is attempted the stations must be in visual range, and are usually situated in two highly-elevated points, so as to get the clear range between transmitter and receiver. Distances have been covered up to 200 miles a push-pull oscillator, Heising modulated, and a three-tube super regenerative receiver. Over shorter ranges, five miles or thereabouts, the working hasn't to be worried about, and duplex telephony between "hams" in the city and suburbs is carried out with the same sureness and precision as through a telephone exchange.

There is a great future ahead of this type of transmitter. On the 5-metre band this was clearly demonstrated on the A.R.A. amateur stand at the recent Sydney Radio Exhibition, when the first public demonstration of 5-metre transmission and reception was shown, the results were very gratifying—unfailing communication, regardless of surrounding, convertors, motors, and other electrical apparatus.

A.W.A.'S 7-METRE STATION

DURING the past few months the Amalgamated Wireless Co. have been conducting tests on 7 metres. A crystal-controlled telephony station is used. The transmission has been well received around the suburbs. The signal, due to the excellent depth of modulation and crystal stability, was easily held on a straight regenerative receiver.

THE NEW TUBES

ANY shipment of new type tubes that arrives is perused by the amateur for any tube that might serve some purpose in his transmitter. The type 47, although not a very recent arrival, compared with the 6 and 7 pin tubes, has proved a great boon to the "ham." Quite a large percentage are using it either as a crystal oscillator or frequency doubler. Of the later types, the 46, 83, and 59 seem to be very suitable for lower-power transmitters. The 46, on actual test, proved superior to the 47 in this respect, and should find great use in "hams"' outlets. The type 83 is invaluable as a rectifier for type 10 tubes, and also as a qst, as used in a Bridge circuit, with choke input to deliver 250 m.a. at 1000 volts, to feed a 56A.

The 7-pin pentode 59 is ideal as CO and FD, and possibly as a final stage.

THE 80 MX BAND

AN owner of a superhet. or short-wave superhet. converter would be well advised to tune to the 80 MX band, and listen to the number of telephony stations. At 10 p.m. or thereabouts there is always the possibility of hearing some of the many American amateurs on phone. Just around this time CW and an occasional phone can be heard—that is, on a straight regenerative receiver. So with the superhet., the stations on telephony should be audible.

The ZL stations, ZL5FI, ZL6BE, ZL8LI, etc., afford some pleasant listening. Of course, the more local "Aussie Hams"—general quality of phone heard recently on 80 MX band is invariably good and well for the amateur.

PERSONAL PARS

FROM various parts of the country, 2TA, 2WA, and 2ZP are down to have a look at the Show. They seem to spend more time, however, looking at the "hams" instead of the equipment. Stan, of 2KH, East Maitland, has been very worried about phone on different bands, everything now seems to have slackened down, while he is doing some experimenting with his own transmitter on 80 MX.

A newcomer to the transmitting ranks, although an old-timer when it comes to short waves, VK1ND, N. Dahl. of Wahroonga, is at present working ZL on 80 MX with a type 47 in a T.N.T. circuit. The transmitter is quite small, and should surely bring the local gang in.

Peter Adams, VK2JX, is very busy with his Telefunken modulation, building a neutralising amplifier, and using the 2CH system of modulator bias very successfully. The bias for the modulator is obtained by feeding rectified radio-frequency from the preceding stage.

The A.R.A.-W.L.A. traffic skeds are being taken over temporarily by 2NR, while 2PQ rebuilds his crystal rig.

20 MX conditions seem to be brightening, and it is now possible to QSO Yanks in the afternoon—5PX, Z2H, 2HZ, 2GW, 2BX, 2TR, 5LD, 5SW, and 5YK are heard on air, while VK1LZ and 2XG use telephony. George, of 2XG's phone, was not of the best for a couple of days, due to feedback. It is now quite decent, and on par with 2LZ.

2BQ makes a welcome re-appearance on 40 MX, after amusing the B.C.L.'s for so long on 250 MX, and the quality of the transmission is excellent, especially on phone.

It will be interesting to follow during the next month or so variations in conditions on 40MX, as there should be a gradual settling down and change to the normal winter conditions.
AMAZING REALISM!

Not

THE SHADOW

of the original

You will be thrilled by the amazing realism of the Fisk Radiola—its faithful reproduction of every subtle variation of tone. You hear every note as it really is, vital and real—not a lifeless version of the original.

The development by the A.W.A. research laboratories of an amazing Tonal System and its incorporation in the new Radiola, results in the utmost realism and fidelity of reproduction free from noise.

Let your ears PROVE IT

To hear the Fisk Radiola is to realise the revolutionary advance that has been made in tonal reproduction. To see it is to be convinced that A.W.A. leads in the field of fine radio.

IMPORTANT NOTICE

Noyes Bros. have transferred their Radio Dept. to new and more spacious premises at 78 Clarence Street (between Erskine and Barrack Sts.).
**FRIDAY . . . . APRIL 28**

8.0—NATIONAL PROGRAMME From 2FC, 2NC, 3L0, 2CO, 4QG, 4RK—8.0

**A RUSTIC RONDELAY**

Based upon the traditional Cornish Floral Dances, and including Lane Wilson's song-cycle, "Flora's Holiday." A charming love story of old England is interwoven with threads of rustic melody, against the background of unspoiled countryside. Quaint old customs and merry catches sustain a note of atmospheric charm.

(A Humphrey Bishop Production)

CAST

JOHN PENDEN, returning to his Cornish birthplace, following a long absence

GRACE TRELAWEY, his sweetheart 9.0 INTERLUDE

At 9.10—

**WITHIN THE LAW**

A Play in Four Acts by Bayard Veiller

With NANCY STEWART in the principal Role

Produced by GEORGE D. PARKER

This drama is known to Australians because of Muriel Starr's interpretation of the role of Mary Turner. The story tells of a girl (Mary Turner) in an American emporium, whose locker is found to contain goods suspected of having been stolen. She is innocent, but the owner of the emporium refuses to believe in Mary's innocence, and he is instrumental in having her sent to gaol for three years. Whilst in gaol Mary reads all the books on American law that she can lay hold upon, and thus acquires a knowledge to keep within the law on her release. She is determined to punish the man whose false accusations have landed her in prison, and when her term is completed she becomes a famous member of the underworld, but she is so clever that the police can never gather enough evidence to convict her. Pursuing her policy of vengeance, she makes the son of the owner of the emporium fall in love with her, and she marries him without his being aware of her identity. No more of the story must be divulged, so that listeners' interest in the play can be fully maintained.

**2FC NATIONAL STATION, Sydney, 451 Metres**

**EARLY SESSION**

(Related to 2NC, Newcastle)

7.0: "Blind Ben." Early Rising Music (r.).

7.5: Meteorological information for the Man on the Land.

7.10: This morning's news from the "Sydney Morning Herald."

7.15: Cables (Copyright) from the Australian Press Association and Sun-Herald News Service.

7.18: Studio Music (r.).

7.20: A short daily commentary for the Man of the Outback.

7.25: Radio Rhythm (r.).

7.45: Mail and Shipping.

7.50: What is on To-day.

7.53: Music from the Studio (r.).

8.15: CLOSE.

**THE MORNING SESSION**

10.30: Announcements.

10.32: AN ORGAN RECITAL (r.).

10.45: MORNING DEVOTION—Conducted by REV. T. E. WITTON.

11.10: SALON MUSIC (r.).

11.15: HOUSEHOLD HELPS—Cooking.

11.30: Musical Items (r.).


12.00: "Big Ben." Stock Exchange and Metal Quotations.

12.15: Studio Music (r.).

12.30: Metropolitan Forecast and Weather Synopsis. Special Produce Market Session through the Man on the Land, supplied by the State Marketing Board.

12.30: CLOSE.

**THE LUNCH HOUR**

1.0: LUNCH HOUR MUSIC.

1.05: Sectional Weather Forecast.

1.10: Programme Announcements.

1.20: Stock Exchange, second call.

1.25: A space for the afternoon "Sun." Cables.

1.30: Musical Items (r.).

**THE RADIO MATINEE**

(Related to 2NC, Newcastle)

2.30: PIANOFORTE SOLO (r.).

2.33: BEN ROGERS, Terce.

2.35: I Look Into Your Garden.

2.45: MANNERS ALAN BERNARD, Saxophonist.

2.50: BAND SELECTIONS (r.).

3.1: BEN ROGERS—(a) A Brown Bird Singing.

3.15: If It Might Come to You (third Call).

3.20: A LITTLE HUMOR (r.).

3.25: MANNERS ALAN BERNARD—(a) Popular Melodies.

3.30: A RANDE INTERLUDE (r.).


3.45: MOMENTS MUSICAL (r.).

3.50: Stock Exchange (third call).

4.0: EARLY EVENING SESSION

( Related to 2NC, Newcastle, from 3.45 to 4.0 and from 7.0 to 8.0 p.m. )

4.05: THE CHILDREN'S HOUR, conducted by "BOBBY BLUEGUM."

5.0: A STRAY SUNBEAM:

"They might not need me, yet they might; I'll let my heart be fast in sight."

5.15: "Christopher Robin" entertains the Wee Ones.

6.15: The Mail Bag.

6.20: Many Happies.

6.30: The Serial—"Nipper and Co."

6.45: "Sleep Tight." (Completion of Relay to N.C., Newcastle.

7.05: THE A.B.C. MODEL AERIAL ASSOCIATION, conducted by NORMAN LYONS.

7.10: (Related to 2NC, Newcastle)—The A.B.C. Sporting Service: To-morrow's Races by the A.B.C. Racing Commissioner.


7.55: To-night's Programme.
Endless entertainment all

Stromberg-Carlson 633

6-VALVE SUPERHETERODYNE

If you want a radio that will bring in all the broadcasting stations in all States, that will render their programmes clearly, without overlapping or interference and, if you want a set that will bring news and entertainment to your home consistently perfect for every day in the year—then you need the Stromberg-Carlson Superheterodyne 633.

This handsome receiver embodies the very latest in superheterodyne improvements. It gives you Visual and Silent Tuning, Automatic Volume Control, Mutting Between Stations, and in addition it is equipped with two Dynamic Speakers. Price, fully equipped $39/19/6 Easy Terms Available

Stromberg-Carlson 533

5-VALVE SUPERHETERODYNE

This moderately priced receiver is the latest addition to the superb Stromberg-Carlson range of superheterodynes. Five of the latest type valves are embodied in its circuit. An ingenious feature permits the control of higher and lower registers at will with amazing realism. Long range without interference from unwanted stations, tonal purity, and pleasing volume are guaranteed.

You have but to listen in to a demonstration of the Stromberg-Carlson No. 533 to view its handsome, well built cabinet, to realise that radio perfection is offered at a price well within reach of everyone. Price, fully equipped $29/10/6 Easy Terms Available

Stromberg-Carlson

MADE IN AUSTRALIA AND SOLD THROUGH LOCAL AUTHORISED RADIO DEALERS
Stromberg-Carlson 802B

8-VALVE BATTERY-OPERATED SUPERHETERODYNE

You get, in a Stromberg-Carlson 802B the same fidelity, sensitivity, selectivity and simplicity of operation which have made the all-electric set so popular with the townsman. Distance is no obstacle with this fine set. With single dial control daylight reception of interstate stations is obtained at loud speaker strength without interference from other stations.

Stromberg-Carlson Superheterodynes incorporate the most up-to-date improvements known to radio engineering, and they represent an excellent investment, being capable of reproducing a larger variety of programmes at a lower proportionate cost than other types of entertainment.

For the man in the country the 802B is the ideal receiver. The cabinet is the Convertible, equipped with a lift lid—a strikingly handsome housing for so efficient a Receiver. Complete with batteries and valves, ready for operation.

Price, fully equipped

£46/2/6

Easy Terms Available

Write or Ring Noyes Bros. (Sydney) Ltd., who will arrange with a local dealer for a home demonstration.
8.15: Mr. F. S. BURNELL will tell Listeners about "SOME CURIOUS ITALIAN FESTIVALS".

Foreigners in Rome are sometimes surprised by the exodus among the population which takes place on the first Sunday in May. In every city of Italy, from luxurious motors down to bicycles and wine-carts, crowds of people are observed streaming out of the city to the little chapel of Castel di Lava, about ten miles distant on the Roman Campaigns. Having paid their respects to a celebrated picture of the Virgin—La Madonna del Divino—visitors settle down happily to a picnic in the open air, accompanied by generous portions of wine, which bears a striking resemblance to the ancient festival celebrated by their Roman ancestors in honor of the old Hulie goddess Anna Perenna.

The Divino Amore is a mild example of the many curious festivals, often distinctly pagan in character and origin, which still survive in one corner or another of the Italian peninsula. Some, like the festival, are bizarre in the extreme, while others, like the Fatorio at Siena, are remarkably beautiful.

The Australian Broadcasting Commission has made a review of the Festival, which is to be heard at 8.00 p.m. on the Radio in Sydney.

9.10: "MOMENTS MUSICAL" (r.).

10.00: The Second Session of the National Library's Conference on "Music in Education".

10.45: "THE DINNER HOUR.

11.30: "MIDNIGHT SESSION.

2.00: "THE AUTOGRAPH PROGRAMME.

3.00: "MIDNIGHT SESSION.

4.00: "THE AUTOGRAPH PROGRAMME.

4.50: "THE AUTOGRAPH PROGRAMME.

5.00: "MIDNIGHT SESSION.

6.00: "THE AUTOGRAPH PROGRAMME.

7.00: "MIDNIGHT SESSION.

8.00: "THE AUTOGRAPH PROGRAMME.

9.00: "MIDNIGHT SESSION.

10.00: "THE AUTOGRAPH PROGRAMME.

11.00: "MIDNIGHT SESSION.

12.00: "THE AUTOGRAPH PROGRAMME.

1.00: "MIDNIGHT SESSION.

2.00: "THE AUTOGRAPH PROGRAMME.

3.00: "MIDNIGHT SESSION.

4.00: "THE AUTOGRAPH PROGRAMME.

5.00: "MIDNIGHT SESSION.

6.00: "THE AUTOGRAPH PROGRAMME.

7.00: "MIDNIGHT SESSION.

8.00: "THE AUTOGRAPH PROGRAMME.
FRIDAY ... APRIL 28 (Cont.)

NIGHT SESSION
(Transmission from Sydney Studios.)
8.0: A NATIONAL PROGRAMME (see 2PC programme).
10.30: WEATHER, ETC. (From Melbourne Studio.
11.0: MEDITATION MUSIC.
11.30: Close.

3ARNATIONAL STATION, Melbourne, 492 Metres

EARLY MORNING SESSION
7.6: Fifty Minutes Programme. 8.1: Music. 9.0: News.
9.0: 10.30: Music. 10.35: News.

MIDDAY SESSION

AFTERNOON SESSION
2.1: A Programme of Popular Music.

EDUCATIONAL SESSION
Broadcast to Schools.
8.0: History of the British Nations—"William Bradford and the Pilgrim Fathers"—Mr. G. S. Brears, M.A.
3.45: History Through the Eyes of Art—"Burke and Wills in Pictures and Sculpture"—Miss Stephanie Bailey.

THE CLASSIC HOUR
4.1: Dame Ethel Smyth, conducting the British Symphony Orchestra. 4.12: Fernando Germani, Organ. 4.30: Andre D'Arkor, Tenor. 4.40: Instrumental Trio—Cortot, Thibaud, and Casals.

MIDDAY SESSION
11.0: "The Brothers of the Australian Press"—Miss Stephanie Bailey.
11.10: "Dr. T. W. B. Chamberlain—"The Truth Behind the Drama of the Day."—Mr. F. E. R. MAULDON, B.A.

EARLY MORNING SESSION
(Transmitted from Ballarat.
8.30: COMMUNITY SINGING, transmitted from Ballarat Town Hall.
6.30: Community Singing Features, led by STAN. JONES.

TRANSMISSION FROM BALLARAT.
10.30: Close.

2CO COROWA, 535.7 Metres

EARLY MORNING SESSION
7.30 a.m.: See 3LO. 8.0: Close. 10.0: See 3AR. 11.30: Close. 12 noon: See 3LO. 12.30 p.m.: News Service, supplied by courtesy of "Border Morning Mail." Albury. 11.30: See 3AR. 11.35: See 3LO. 10.30: Close.

TRANSMISSION FROM THE STUDIO.
10.30: Close.

4QG NATIONAL STATION, Brisbane, 395 Metres

EARLY MORNING SESSION
(Transmitted for 2PC)
7.30: Music. 7.35: Weather Data, Cable News Service. 8.0: Music. 8.30: Close.

MORNING AND MIDDAY SESSION
(Transmitted for 2PC except 11.23 to 11.30.)
12.40: Close.

AFTERNOON SESSION
(Transmitted for 2PC)
2.0: Grand Opera Afternoon. 4.30: Close.

NATIONAL STATION, Melbourne, 492 Metres

EARLY MORNING SESSION
(Transmitted for 2PC)
8.0: For the Children—"Handy" tells of the Building of a Cook's. 8.20: Shipping news. Train Information, Mail Notices.
6.30: Early dinner music. 6.45: Late Market Reports. General Commercial News. Late Weather Data. 7.0: Late Dinner Music.

NIGHT SESSION
(Transmitted for 4RK)
8.0: A NATIONAL PROGRAMME (see 2PC programme).
10.30: Reproduced Dance Music.
11.0: Close.

NATIONAL STATION, Melbourne, 492 Metres

EARLY MORNING SESSION
7.30: Good-morning—the day is Friday, April 28, and the time 7.30 a.m. News. Special Weather Forecast.
7.40: Bright Morning Music.
8.0: G.P.O. Chimes.
8.10: Bright Morning Music.
8.30: Close.

MORNING AND MIDDAY SESSION
11.0: Daily Broadcast Service.
11.10: Morning Melodies.
11.20: Featured Sessions.
12.0: "The Advertiser" News Service.
12.10: Midday Melodies.
1.30: News Items.
1.45: Lunch-hour Promenade Music.
2.0: Close.

AFTERNOON SESSION
3.0: Time Signal.
3.15: Matinee—An Afternoon Tea Programme.
3.20: Feature Programme by Victoria Raymonds.
3.45: Menu.
3.50: Close.

EVENING SESSION
6.20: Children's Symphony, Senior Birthday League.
6.30: Dinner Music.
6.50: Official Stock Exchange Information.
7.0: Evening News Service by courtesy of "The News." 7.5: "Blitzius" gives a Review of To-morrow's Races at F. Adelaide and Ascot.
7.15: Popular Friday Night Promenade with Special Request Recordings.

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Bakelite Offices, Works and Showrooms.
ALLEN STREET, LEICHHARDT, N.S.W.
PHONE, Pet. 1837.

17.10: FROM THE GORDON
9.30: SIGRID
9.13: THE MINELAND ORCHESTRA
8.0: FROM THE GORDON
7.55: ANNOUNCEMENT
7.45: EZIO PINZA
7.30: EDITH
I.10: CHILDREN’S SESSION
6.48: CONCERTS
6.40: EDITH
6.10: GEORGE VALDA
5.25: CHILDREN’S SESSION
5.15: CHILDREN’S SESSION
5.0: CHILDREN’S SESSION
4.15: CHILDREN’S SESSION
4.0: CHILDREN’S SESSION
3.15: CHILDREN’S SESSION
3.0: CHILDREN’S SESSION
2.15: CHILDREN’S SESSION
2.0: CHILDREN’S SESSION
1.15: CHILDREN’S SESSION
1.0: CHILDREN’S SESSION
0.15: CHILDREN’S SESSION
0.0: CHILDREN’S SESSION

208: SYDNEY, 248 Metres
Day Sessions as usual.

EVENING SESSION
5.0: CHILDREN’S SESSION
4.0: CHILDREN’S SESSION
3.0: CHILDREN’S SESSION
2.0: CHILDREN’S SESSION
1.0: CHILDREN’S SESSION
0.0: CHILDREN’S SESSION

211: SYDNEY, 224 Metres
Day Sessions as usual.

CHILDREN’S SESSION
6.0: CHILDREN’S SESSION
5.0: CHILDREN’S SESSION
4.0: CHILDREN’S SESSION
3.0: CHILDREN’S SESSION
2.0: CHILDREN’S SESSION
1.0: CHILDREN’S SESSION
0.0: CHILDREN’S SESSION

213: SYDNEY, 248 Metres
Day Sessions as usual.

EVENING SESSION
5.0: CHILDREN’S SESSION
4.0: CHILDREN’S SESSION
3.0: CHILDREN’S SESSION
2.0: CHILDREN’S SESSION
1.0: CHILDREN’S SESSION
0.0: CHILDREN’S SESSION

215: SYDNEY, 224 Metres
Day Sessions as usual.

CHILDREN’S SESSION
6.0: CHILDREN’S SESSION
5.0: CHILDREN’S SESSION
4.0: CHILDREN’S SESSION
3.0: CHILDREN’S SESSION
2.0: CHILDREN’S SESSION
1.0: CHILDREN’S SESSION
0.0: CHILDREN’S SESSION
GENALEX ENGINEERS

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A Radio set that would ensure better country reception was urgently needed. Daylight reception without fading was essential. The set had to be keenly selective and powerful.

So—the Genalex Super-Heterodyne 8, Battery-operated was designed to bring in even low-powered "B" Class Stations perfectly by day or night. The selectivity of this set is astounding, the tone a triumph in melodious reproduction. THE FAMOUS OSRAM 2-VOLT VALVES, ENGLISH-MADE, contribute freely to attainment of perfect results, with a remarkably low consumption of both "A" and "B" batteries.

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INTERSTATE AGENTS:
Norman Bell & Co. (Pty.) Ltd., 403 Adelaide Street, Brisbane. Electrical Agencies, 55 Elizabeth Street, Hobart, Tasmania; and 111 Charles Street, Launceston, Tasmania.

Genalex 8-valve Super-het., Battery-operated Set. £46/12/-. (Price includes "A" and "B" Batteries.)
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Throw out those overworked old valves and put in new Cossors. You'll be surprised at the difference. Since you last bought valves radio scientists have discovered many improvements. So the chances are that by fitting a set of modern Cossors you will get better reception than you've ever had before—better even, than when your set was new.

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Cossor-Kings of the Air

Cossor 100% British Valves
Overture Symphony in A Major
George English

This symphony was written by George English, conductor of the choir. The first subject is announced in the first bar by the strings and wood-wind, and occurs throughout the movement in modified forms. It is almost immediately answered by the clarinets in a downward moving theme. The second theme is given to the oboe in a quiet mood following a climax. Both themes occur throughout the remainder of the movement.

The Scherzo opens with a lively dance-like measure, for strings and wood-wind. The second theme is announced by full orchestra, and moves on to the third theme, which is more or less sustained in the upper parts, with a well-marked, jig-like bass. The three themes are used at various times before a brilliant close: the whole three themes are cunningly interwoven together.

The fourth movement also has two themes; the first being given out by strings and wood-wind in unison at the beginning. The second theme is given by the first violins. Echoes of the first movement are heard. Later a modified form of the first subject is introduced in canon form. The work concludes in a lively fashion with the first theme.
SATURDAY...APRIL 29 (Cont.)

8.0 ALTERNATIVE PROGRAMME, 2BL Only—8.0

RADIO DANCE NIGHT
WITH THE A.B.C. DANCE BAND

Associate Artists:

HORACE GILSON (Tenor)
“ANTONIO’S DILEMMAS”
FRANCES LEA (Soprano)

Foxtrot — Blues — Quickstep.

HORACE GILSON
At Dawning ... Cadman
My Mary, Sweet and Brown ... Kilner
Blues — Foxtrot — Quickstep.

“ANTONIO’S DILEMMAS”
Waltz — Waltz — Foxtrot.

FRANCES LEA
Bird Songs at Eventide — Coates
The Song of Songs — Moya
Blues — Quickstep — Foxtrot.

HORACE GILSON
Vienna, City of My Dreams — Staneyska
You in a Gondola ... Coningby Clarke
Foxtrot — Blues — Quickstep.

CHARLES & LESLIE in a Comic Interlude
Waltz — Waltz — Foxtrot.

FRANCES LEA
You are My Heart’s Delight. ... Lehár
To a miniature, Brake
Blues — Foxtrot — Quickstep.

HORACE GILSON
A Dream ... Bartlett
The Cruiskeen Lawn, — Traditional
Blues — Quickstep — Foxtrot.

CHARLES AND LESLIE in Some More Comicalities
Blues — Quickstep — Foxtrot.

FRANCES LEA
A Brown Bird Singing ... Wood
Just a Cottage Small ... Hanley

THE A.B.C. DANCE BAND IN POPULAR NUMBERS

2FC NATIONAL STATION, Sydney, 451 Metres
EARLY SESSION
(Relayed to 2NC, Newcastle, from 7.0 to 8.5 a.m.)

7.0: “Big Ben.” Early Rising Music (r.). Meteorological Information for the Man on the Land.
7.10: This morning’s news from the “Sydney Morning Herald.”
7.15: Cables (Copyright) from the Australian Press Association and Sun-Herald News Service.
7.18: Studio Music (r.).
7.30: A short daily commentary for the Man O’Clock.
7.45: Radio Rhythm (r.).
7.45: Mails and Shipping.
7.48: What is on Today?
7.50: Music from the Studio (r.).
8.10: CLOSE.

THE MORNING SESSION
10.30: Announcements.
10.32: Musical Items (r.).
11.15: HOUSEHOLD HELPS.
11.30: Studio Music (r.).
12.0: “Big Ben.” Stock Exchange and Metal Quotations.
12.30: Studio Music (r.).
12.30: Metropolitan Forecast and Weather Synopsis.
12.30: CLOSE.

AFTERNOON ENTERTAINMENT
(Relayed to 2NC, Newcastle, from 12.50 to 2.45 p.m.)

12.50: FROM CANTERBURY PARK — Description of the following races:
THE MAIDEN WELTER HANDICAP.
THE PARK STAKES.
THE FLYING HANDICAP.
THE CANTERBURY HANDICAP.
THE HIGHWEIGHT HANDICAP.
THE ASHBY HANDICAP.
At approx. 1.55: Sectional Weather Forecast. At approx. 2.0: A glance at the afternoon “Run.”
Between Races, Description of the Finals in the G.P.S. “HEAD OF THE RIVER” RACER.
4.35: FROM THE STUDIO — Late Sporting Results.
4.45: CLOSE.

EARLY EVENING SESSION
(Relayed to 2NC, Newcastle, from 5.45 to 6.45 p.m.)

5.45: THE CHILDREN’S HOUR, conducted by “BOBBY BLUEBIRD.”

A STRAY SUNBEAM:
“Just laugh and be glad, for life’s but a joke.
Find the ribs of the world and lend them a poke.
The skies may be dark or sunshine and blue,
But the hues of the skies mustn’t matter to you.”

5.47: THE KUTTIE KIDS’ COLLEGE, conducted by MR. KAN KAINEM.
6.15: The Mail Bag is opened.
6.25: Birthday Calls.
6.30: The Serial — “Nipper and Co.”
6.45: “Sleep Tight.” (Complement of Relay to 2NC, Newcastle.)

THE A.B.C. POULTRY AND PIGEON SESSION — "THE POULTRY EXPERT.”
7.0: (Relayed to 2NC, Newcastle)—The A.B.C. Sporting Service.
7.51: Wednesday’s Weights by the A.B.C. Racing Commissioner.
7.58: To-night’s Programme.

EVENING PROGRAMME
(Relayed to 2NC, Newcastle, from 8.0 to 11 p.m.)

8.0 A NATIONAL PROGRAMME
(Transmission from 2LO, Melbourne)
(2LO P.M.)

10.30 FROM THE STUDIO (Sydney)
Late Official Weather Forecast.
10.32 MEDITATION MUSIC (r.)
(Completion of Relay to 2NC, Newcastle, at 11 p.m.)
11.30: Close.

2BL NATIONAL STATION, Sydney, 351 Metres
OPENING SESSION
8.15: G.P.O. Chimes. A Musical Interlude (r.).
8.40: Meteorological data for the country.
8.45: Mails and Shipping Information.
8.50: Memory Melodies (r.).
9.0: Studio Music (r.).
9.30: Melodies Grave and Gay (r.).
9.45: Moments Musical (r.).
10.0: News from the “Sydney Morning Herald”.
10.2: Cables (Copyright) from the Australian Press Association and Sun-Herald News Service.
10.10: Studio Music (r.).
10.15: A Racing Talk by the A.B.C. Racing Commissioner.
10.30: Musical Items (r.).
10.45: Mr George Cooper will speak on Gardening.
11.0: G.P.O. Chimes. CLOSE.

MIDDAY SESSION
12.0: G.P.O. Chimes and Announcements.
12.0: Metropolitan Forecast and Weather Synopsis.
12.2: Studio M.G. (r.).
12.30 LUNCH HOUR MUSIC.
Note: Relayed to 2NC, Newcastle, between 12.30 and 1.0 p.m.
1.0: Afternoon News from “The Sun.” Cables (Copyright) from the Australian Press Association and Sun-Herald News Service.
1.3: Sectional Weather Forecast.
1.11: Radio Rhythm (r.).
1.33: Studio Music (r.).
2.0: What’s on the air this afternoon?
2.21: Moments Merry and Musical (r.).

THE AFTERNOON ENTERTAINMENT
2.30: Radio Rhythm (r.).
3.0: FROM THE RUGBY SPORTS GROUND — Description of the First Grade Rugby League Football Match. Approximately 5.0 from the Studio: Complete Racing and Sport Resume.
5.3: Studio Music (r.).
5.45: Weather Information.
5.45: CLOSE.

DINNER HOUR
6.15: DINNER MUSIC.
6.35: Studio Music (r.).
7.0: What’s on the air to-night?

EVENING PROGRAMME
8.0 “OUR RADIO DANCE NIGHT”
With the A.B.C. DANCE BAND.
(See left)
10.27 Late News from “The Sun.”
10.30 THE A.B.C. DANCE BAND IN POPULAR NUMBERS
12.0 Close
SATURDAY . APRIL 29 (Cont.)

3LO NATIONAL STATION, Melbourne, 375 Metres

EARLY MORNING SESSION

MORNING SESSION
8.15: Music—Light and Bright. 8.15: British Official Wireless News. 10.15: Music. 10.30: Current Happenings in Sport, by Eric Welsh. 10.35: Selections on the Grand Organ. 10.45: Modern Dance Music. 11.0: Express Train Information. 11.05: Music. 11.15: Daily Broadcast Service. 11.30: Close.

MIDDAY SESSION

Children's Corner
8.45: Mr. Percy Cod has brought the orchestra specially to play for you. Pat has borrowed a new Wattle Blossom's "Wand and Hope," with its rowed Cricket Ground. Close.

EVENING SESSION

3AR NATIONAL STATION, Melbourne, 492 Metres

EARLY MORNING SESSION
7.0: Sixty Minutes' Music. 8.1: Minute. 9.0: News. 9.10: Music. 9.15: Close.

MIDDAY SESSION

AFTERNOON SESSION
2.1: During the afternoon Descriptions will be given of the Wattle Blossom's "Wand and Hope," with its rowed Cricket Ground. Maiden Plate, 5 furlongs; Encourage Handicap. Wodonga Cup, 1 mile; Woolshed Cup, 1 mile. The above Race Descriptions will be interspersed with Selected Popular Orchestral and Vocal Recordings. 5.1: Music. 5.40: Weather. 5.45: Close.

EVENING SESSION

NIGHT SESSION
8.0: BRASS BAND CONCERT. ADMIRAL BRASS BAND. Music of the North ... Lullabies. Waltz: Songs of Autumn ... Joyce.

5CL NATIONAL STATION, Adelaide, 411 Metres

EARLY MORNING SESSION

CONTINUOUS DAY

EVENING SESSION
6.0: Late Sporting Results. 6.5: Children's Session. Birthday Greetings. 7.0: Children's Hospital Seniors' Birthday League. 7.3: Dinner Music. 7.45: Rev. G. E. H. B.A.—Life's Little Presents. 7.0: Evening News Service by courtesy of "The News." 7.5: To-Day's Tennis. 7.15: All Sporting Results.

NIGHT SESSION
7.30: NATIONAL PROGRAMME (see 3FC programme) 10.0: FROM 5CL STUDIO—CELEBRITY RE-CITAL. 11.0: NEWS SESSION—"The News." 11.0: "The Mall." News Service. 10.0: FROM 5CL—MELBOURNE—MODERN MUSIC BY THE WIRELESS DANCE ORCHESTRA. 11.30: Close.

2CO NATIONAL STATION, Brisbane, 395 Metres

EARLY MORNING SESSION

4QG NATIONAL STATION, Brisbane, 55.7 Metres

EARLY MORNING SESSION
7.30: Music. 7.35: Weather Data, Cable News. 7.45: Service. 7.50: Music. 8.0: Close.

MORNING, MIDDAY, AND AFTERNOON RACES (relayed to 4RK from 11.30 to 12.0.)

EARLY EVENING SESSION
(Relayed to 4RK until 7.45)
6.0: For the Children—"Sandy" and "Vince." "Kil Bill". 4.0: Inter-State Race. "Queenslander." Bi-weekly Notes, 6.30: Brisbane Music. 7.0: To-day's Racing Results. 7.30: Inter-State Race. "Queenslander." Bi-weekly Notes.

NIGHT SESSION
(Relayed to 4RK)
8.0: A PARADE OF MUSIC REVUE.

ACORN
We manufacture all Classes of Chassis to specifications. We also supply Copper, Aluminium, or Zinc. Our cutters direct to the trade of all classes of Pressed Metal and Tinned Lathwork, Special quotations. We also ship to the Intercolonies. At the recent Royal Agricultural Show we were asked by the Royal Agricultural Society to add to their list of approved suppliers. We also supply Sockets, Metal Cans, Laminations, Decorative Metal. Aerco Pressed Metal Co., Lid 81-84 Camperdown.
2CN SYDNEY, 267 Metres

Day Sessions as usual.

EARLY EVENING SESSION

7.47: R. REISLER. Violinist
6.55: JOHN
6.52:

7.40: SPORTING SESSION, CONDUCTED BY MR. LAWSON
7.0: Selected items.
7.45: Chess Championship Move.
7.46: Music.
8.0: LISTENERS’ PREFERENCES—Orch.—Shepherd Penell’s Dance... Gardiner Vocal—Don Carlos (The "Don Carlos") Verdi Piano—Capriccio... Desilets Orchestra.
8.1: SONG AND DANCE INTERLUDE.
10.20: Till-morrow’s programme.
10.30: Close.

2UE SYDNEY, 293 Metres

MORNING SESSION

6.0: Countryman’s Session, Music, and Information.
6.35: News.
6.50: Light Opera Selection.
6.55: Talk on Fruit by Mr. C. Honeyfield.
7.15: Music.
7.30: News.
7.50:Information.
7.55: Preview of to-day’s races by Mr. L. G. Millerville.
8.40: Travestie.
10.0: Children’s Party.
11.0: Close.

AFTERNOON SESSION

12.30: Description of the races by Mr. L. G. Millerville and Football Description by S. Merle.

2WN SYDNEY, 270 Metres

MORNING SESSION

6.0: Musical Items, conducted by J. Harper.
6.20: THE SALESMAN Megaphone.
6.30: Breakfast Session.
6.50: Children’s Session—Uncle Tom.
7.0: Breakfast Concert—Uncle Tom.
7.30: Breakfast Session.
7.40: Breakfast Music.
8.0: The Salvation Army—Eucharist.
8.15: Music.
8.20: The Salvation Army—Eucharist.
8.30: Music.
8.45: The Salvation Army—Eucharist.
9.0: Breakfast Session.
9.15: Music.
9.45: Breakfast Session.
10.0: Breakfast Music.
10.30: Close.

2XM LISMORE, 224 Metres

Day Session: 1 p.m.-2 p.m.

CHILDREN’S SESSION

6.0: Uncle Roy and “Yo Yo.”

EVENING SESSION

6.30: Zoneophone Salon Orch.—In the Shadows.
Frank Crumit—King of Bornoe... Crumit
Sergio Rachmaninoff. Piano—Dance of the Gnomes..
Joyce Millar.
Elizabeth Reynolds. Tenor—It was a Dream.
National Radio Reel—Medley.
Michel Piatto. Violinist—Larberto Handel.
6.50: Every week’s best letter.
7.1: Eleven More Months.
Fields
Foxlor—Fox Movietone Pollies. Sym. Orch.—The Valkyrie.
Clarke Ross. Piano—Sussige.
Musical Saw—When Your Hair Has Turned to Silver.
7.30: Angelo-Peazziny—Connie Love Song.
Beethoven
Vocal Duet.
8.0: Medley.
Clarke Ross—Come In, Mr. Cummins.
Dance
8.15: Elizabeth Rebers. A Moonlight Song.
National Military Band—Semper Fidelis.
3d.
Clarke Ross—Wedding March.
N. Stow.
Mishel Piatto, Violin—Turkish March.
9.0: Music.
9.20: Close.

CHILDREN—
Join Aunt Y’s Bluebirds.
(MURIEL VALLI)
STATION 2GB

Breakfast and Afternoon Tea Sessions

2GB SYDNEY, 316 Metres

7.0: Breakfast Session, conducted by Mr. Len Owen.
7.15: Music.
7.20: Talk of the Town. Call Up for Employers.
7.25: Music.
7.30: Cheek Up Session, conducted by Uncle Tom.
7.35: Morning Musical Programme.
8.30: Close.

EVENING SESSION

8.0: Birthday Galls and Songs by Uncle Tom.
8.30: British Talkie Session.
9.0: Music.
9.0: CHEESE MEET—Overture.
9.15: Musical Programme, including i.v. by W. V. Ashby.
10.0: Instrumental Music.
10.10: Entertainment Club Numbers.
11.0: Musical and Novel Music.
11.0: Music.
12.0: German Food—Song Night.
12.30: Close.

2WU SYDNEY, 267 Metres

Day Sessions as usual.

9.15: CHILDREN’S SESSION, CONDUCTED BY MR. LAWSON.

DINNER MUSIC.

2SM SYDNEY, 236 Metres

Day Sessions as usual.

5.30: Children’s Session—Uncle Tom.
6.0: Angelo.
6.1: Children’s Session continued.
6.45: Dinner Session.
7.0: Studio Music.
7.15: After Dinner Session.
7.45: Studio Music.
8.0: Evenings Session.
8.15: John and Noah present Tunesful Topics.
8.45: Studio Music.
9.0: An Hour of Recorded Dance Music.
10.0: Children’s Music.
10.30: Close.

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6.0—From 2FC and 2NC Only, To-night—6.0

6.0 A CELEBRITY RECITAL (r.)
6.20 THE THIRD OF SIX PROGRAMMES ILLUSTRATING THE DEVELOPMENT OF THE ART OF SONG
From the Early English Composers (Elizabethan Era) to Bach and Handel.

FRENCH
CONSTANCE BURT, Soprano
Arranged by
THE MUSICAL ASSOCIATION OF NEW SOUTH WALES

6.40 PROFESSOR A. H. CHARTERIS Chalallis Professor of International Law in the University of Sydney will continue his series of talks on "AUSTRALIA LOOKS ON THE WORLD"

7.10 A CELEBRITY RECITAL (r.)
7.20 THE THIRD OF SIX PIANO AND VIOLIN RECITALS
LOTTIE DEARN AND NORA WILLIAMSON

8.45—NATIONAL PROGRAMME 2FC, 2NC, 3LO, 2CO, 4QG, 4RK, 5CL, 5CK—8.45

8.50 A NATIONAL PROGRAMME ORCHESTRAL SELECTIONS (r.)

THE LAST OF MRS. CHEYNEY

By Frederick Lonsdale
Adapted and Produced by George D. Parker

CAST
Mrs. Cheyney .. Dorothy Brunton
Lord Dilling .. Harvey Adams
Lord Elton .. Leslie Victor
Charles, a Butler .. Kenneth Brampton
Hon. Willie Wynton, Robert Bernard
William, a Footman .. Vivian Edwards
George, a Footman .. John Fernside
Roberts (Mrs. Ebley’s Butler) .. Arthur Hemsley
Mrs. Ebley, Cousin of Lord Dilling .. Nelle Mortyne
Lady Frinton .. Lois Bingham
Hon. Mrs. Wynton .. Ethel Lang
Joan .. Yvonne Banvard
Mary .. Patricia Mischin

Lottie Dearn, Pianiste

Pantasia in D Minor .. Mozart
Chaconne in G Major .. Handel

NORA WILLIAMSON Violiniste

7.40: "LOVE STORIES OF GREAT MUSICIANS." - Told by EDWARD HOWELL and THERESE DESMOND

8.0 THE STUDIO STRING QUARTET
Quartette in D Major .. Borodin
Notturno and Scherzo
W. J. GRIEVES, First Violin
J. FARNWORTH HALL, Second Violin
W. KRANSIK, Viola

BRYCE CARTER, Cello

6.11 WILLIAM Green (Tenor)

AND NORA WILLIAMSON

8.10 STRING QUARTET
Quartette in A Major, Op. 118, No. 5, Beethoven
Andante and Cantabile (Air and Variations)

THE STORY OF THE PLAY CENTRES AROUND MRS. CHEYNEY, WHO WAS ONCE A SHOT GIRL. SHE YEARNED FOR BEAUTY AND LUXURY, AND SO GLADLY ACCEPTED THE OFFER OF ONE CHARLES TO TAKE HER UP ROBBERY AS A PROFESSOR AND THEREBY A MEANS TO REACH THE SET AND GOOD THINGS OF LIFE, WHICH MONEY SECURES. WE FIND HER POSING AS AN AUSTRALIAN LADY, HER ACCOMPANIES AS HER BUTLER, ENTERTAINING WEALTHY PEERS AND THEIR LIKE.

ALL THE WOMEN ADMIRE HER, AND AT LEAST TWO LORDS ARE IN LOVE WITH HER. A STRING OF PEARLS, WORTH FIFTY THOUSAND POUNDS, BELONGING TO MRS. ELLEY, IS THE OBJECT OF VIEW. THEN MRS. CHEYNEY SHOWS SIGNS OF HALF-HEARTEDNESS. SHE FEELS IT ISN’T QUITE NICE TO ROB THE PEOPLE WHO ARE SO DECENT TO HER, BUT CHARITY OVERCOMES HER SCRUPLES.

LORD DILLING, A GRACEFUL AND NOTORIOUS RAKE, WHO HAS FALLEN IN LOVE WITH MRS. CHEYNEY, DISCOVERS HER SECRET, AND ARRANGES TO EXCHANGE BEDROOMS WITH THE OWNER OF THE PEARLS. WHEN THE CHARMING CROOK ARRIVES, SHE FINDS HERSELF IN A TRAP. SHE_RINGS THE BELL, Arousing THE WHOLE HOUSE, AND TELLS THE TRUTH ABOUT THE PEARLS. THE HOUSE-PARTY IMMEDIATELY KNOCKS THE EXHIBITION PUBLICITY. LORD ELTON, AN ELDERLY FREE LANCE GENTLEMAN, HAS WRITTEN A LETTER TO HER PROPOSING MARRIAGE, IN WHICH HE HAS GIVEN HIS VIEWS ABOUT THE OTHER PEOPLE IN THE HOUSE, WITH A WEALTH OF DETAIL. IF SHE GOES TO PRISON, AND THAT LETTER IS PRODUCED IN COURT, NONE OF THEM WOULD BE ABLE TO FACE THE WORLD AGAIN. SO THEY BARGAIN FOR IT, AND MRS. CHEYNEY AND CHARLES KNOW THEY ARE MASTERS OF THE SITUATION.

EVENTUALLY A CHEQUE FOR TEN THOUSAND POUNDS IS HANDLED OVER, WHICH PROMPTLY TURNS UP, AND THE REHABILITATED IN THE EYES OF EVERYBODY, THE REFORMED CROOK AGREES TO MARRY LORD DILLING.

2FC NATIONAL STATION, Sydney, 451 Metres

THE CHURCH HOUR

10.0: Announcements.
10.5: Studio Music (r.)
11.00: FROM ST. MARY’S Rundalla—HIGH MASS.
12.15: FROM THE STUDIO—STUDIO MUSIC (r.)
12.30: Close.

THE AFTERNOON CONCERT

3.0: A MUSICAL (r.)
4.30: Close.

EVENING PROGRAMME

(See Above.)
10.0 MEDITATION MUSIC (r.)
(Completion of Relay to National Stations)
10.30 Close

2BL NATIONAL STATION, Sydney, 351 Metres

MIDDAY SESSION

10.55: Announcements.
11.0: MORNING SERVICE from the SAVATION ARMY CONGRESS HALL, conducted by MAJOR A. W. MULLEVEN.


Congress Hall Band, conducted by Dep. Bandmaster, W. Knight.
Accompanist: Sister Mrs. O. Simm.
12.15: FROM THE STUDIO—MUSICAL ITEMS (r.).


SUNDAY . APRIL 30 (Cont.)

8.30-ALTERNATIVE PROGRAMME. 2BL Only.-8.30

WE AWAIT YOUR VERDICT

Series Three: LATIMER v. PETERSON

BREACH OF PROMISE—$6000 CLAIMED

Mr. Henry Peterson, a wealthy manufacturer of forty years of age, became engaged to Miss Ethel Latimer, a vivacious young lady of twenty-three. Miss Latimer took a prominent part in amateur theatricals, and attended rehearsals frequently. Mr. Peterson was somewhat jealous of the time devoted by Miss Latimer to these rehearsals, to which he sometimes accompanied her. He denied Miss Latimer's objections, however, until he found that Miss Latimer was cast for the leading part in a comedy which Mr. Peterson considered unpleasantly broad. In one scene it was necessary that Miss Latimer should appear on the stage in scanty attire, and against this and the subsequent love scenes Mr. Peterson strenuously protested, and demanded that she discontinue taking part in the production. Upon Miss Latimer's refusal, Mr. Peterson broke off his engagement. The plaintiffs, upon bringing this action to recover $5000 for breach of promise to Mr. Peterson, admitted the breach of promise, but paid $1000 into Court, with a defence that it was sufficient amount to satisfy the

PLAINTIFF'S CLAIM. It was proved in evidence that the PLAINTIFF had expended $45 in the purchase of a trousseau, but that she had not been put to any other out-of-pocket expenses in connection with her approaching marriage.

9.5 Late Weather Forecast.

AN HOUR'S PROGRAMME BY THE LADIES' ORCHESTRA—ASSISTING VOCALIST, VIRGINIA BASSETTI, Contralto

ORCHESTRA

Overture, Zampa ... 4.0: Elgar

Selection, Lilac Time ... 4.0: Schubert

VIRGINIA BASSETTI

After ... 4.0: Elgar

The Shepherd Song ... 4.0: Elgar

Selection, Rigoletto ... 4.0: Verdi

OBE SOLO

The Swan ... 4.0: Saint-Saens

Tango in D ... 4.0: Albeniz

VIRGINIA BASSETTI

Will He Come ... 4.0: Sullivan

A Soft Day ... 4.0: Stanford

ORCHESTRA

Romance, Hungarian Dances, No. 2 and 7 ... 4.0: Brahms.

NOTES: Solo.. "The Stranger of Gallipoli" (Norris)—Miss Ethel Findlay. Lesson.. "The Queen of the Italians" (Lee). Selection (consisting of readings from the Bible and "science and health" with "key to the Scriptures," by Mary Baker Eddy, Offertory, Opera, Hymn 223; "Praise, my soul, the King of Heaven" (Lyte). Scientific Statement of Being, from the Christian Science Textbook, subject to the laws of God according to 1 John, 3rd chapter, first three verses. Benedicton. Organ Solo.

THE CHILDREN'S HOUR

8.0: THE CHILDREN'S SESSION, conducted by Uncle Steve.

EVENING SESSION

8.50: Musical Items (r).

7.0: EVENING SERVICE FROM FIRST CHURCH OF CHRIST SCIENTIST

Organ Prelude. Hymn 75: "God comes with pupear speedly" (Montgomery). Bible Reading. Silent Prayer (followed by the audible repetition of the Lord's Prayer and its spiritual interpretation from the C.S. Testbook). Hymn No. 208; "O gentle Presence" (r'dq'y). Church

10.0: Close.

3AR NATIONAL STATION.

MORNING SESSION


AFTERNOON SESSION

TRANSMISSION FROM ST. PAUL'S CATHEDRAL

3.0: Grand Masonic Service of Thanksgiving. Completion of Spire and Tower, under the auspices of the United Grand Lodge of Victoria. Address by William Warren Kerr, O.M.G., C.B.E., Grand Master. The Grand Lodge Choir of 120 voices will render—Now Praise We Famous Man (Thorne), Hymn to Music (Bidley, Back), Let Their Celestial Concerts (Sanson) (Hendel), Leslie Gumcon, Conductor, L. W. Burnt, Grand Organist, R. Pehmut, Assistant Organist of the Cathedral. 4.45: Close down.

NIGHT SESSION

8.0: SALON MUSIC. NATIONAL PROGRAMME

8.30: NATIONAL PROGRAMME (see 2PO programme).

10.0: PERSPECTIVE.

10.15: THE EPILOGUE.

10.30: Close down.

3AR NATIONAL STATION, Melbourne, 492 Metres

MORNING SESSION


4.47: Musical Interlude. 6:57: St. Paul's Bell.
WIRELESS WEEKLY, APRIL 28, 1933

EVENING SESSION
7.0: DIVINE SERVICE from WESLEY CHURCH, MELBOURNE. ORDER OF SERVICE: Introit, Invocation, Hymn, Prayer, Anthem, Intimations, Voluntary; Organist, Mr. W. G. JAMES; Anthem, Hymn, Berlioz, REV. C. IRVING BENSON; Hymn, Seventhfold Amen.

FROM THE BALCONET HALL, "VICTORIA."
8.30: CHAMBER MUSIC RECITAL, Arranged by IVY BALL.

TRIO—
EDOUARD LAMBERT, Violin.
ELLEWOOD MACK, Cello.
VIOLET EAWRT, Piano.

Assisted by ELIZABETH PINSCOF FINLEY.

TRIO—Tri-in E Flat No. 8.
Haydn Allegro moderato, Andante con moto, Presto.

Vocal—An ein Veilchen ("To a Violet").

Immer leiser wird mein sehnsüchtiger Brakrias ("Ever fainter is my slumber", "Blissful dream of sleep").

Weit über das Feld ("High over the field").

Ein gut, gute Nacht ("When you say Good-night").

Brakrias.

TRIO—Tri-in No. 1, Op. 70.
Beethoven Allegro vivace e con brio, Largo assai ed espressivo, Presto.

3.0: CLOSE DOWN.

2CO
SANDOROWA, 553.7 Metres
11.0 a.m.: See 2AK.
12.15 p.m.: Close down.
1.0 See 3JO.
4.0: CLOSE DOWN.
6.0: See 3JO. 10.30: Close down.

4QG
NATIONAL STATION, Brisbane, 395 Metres
MORNING SESSION (Relayed to 4RK.)

The Morning Service from St. Stephen's Roman Catholic Cathedral, Brisbane. 12.15: Close.

AFTERNOON SESSION (Relayed to 4RK.)
3.0: A specially Selected Recorded Programme.
4.30: Close.

EARLY EVENING SESSION (Relayed to 4RK.)
6.0: Council of Churches Service for Children.
6.30: "Our Indian Empire No. 1—India's History and Records—The Mogul Dynasty," by A. M. Lumadune. 7.0: Selected Recordings.

NIGHT SESSION (Relayed from 4RK from 8.30.)
7.30: The Evening Service from St. Andrew's Free Church, Brisbane. Preacher, Rev. Norman Millar.
8.30: A NATIONAL PROGRAMME FROM SYDNEY (see 2PC programme).

5CL
NATIONAL STATION, Adelaide, 411 Metres
MORNING SESSION
11.0: Sermons of Interest.
12.30: Close.

AFTERNOON SESSION
3.0: Musical Sunday Afternoon from Central Ladies' Church. 4.30: Close.

EVENING SESSION
6.0: Birthday Greetings and Children's Hour. 7.0: Second Birthday League.
6.10: Service of Song, conducted by Mrs. Lindop.
6.30: Music.

NIGHT SESSION
7.0: Service from the Lutheran Church, North Adelaide. Pastor J. J. Stiel, Preacher.
8.30: NATIONAL PROGRAMME FROM SYDNEY. (See 2PC programme.)
9.45: Celebrity Recital.
10.0: News Service.
10.10: Epilogue.
10.50: Close.

"B" Stations, Sunday, April 30 (Cont.)

2CH
SYDNEY, 248 Metres
MORNING SESSION
10.30: BRITISH SYMPHONY ORCHESTRA—SYLVIA WELLESLEY, Violin.
10.44: PETER DAWSON, Barton's.. (c) Change, Awake, Beloved. ARR. Lawson.. 11.0: The Clock Symphony.. ARR. Lawson.
10.52: STANLEY ROOPER, Organist—Canticle. .. 10. Doh?.. (b) Imperial March.
11.00: MUSICAL SERVICE FROM ST. PHILIP'S CHURCH OF ENGLAND, SYDNEY. Minister, Bishop-Coadjutor Kirby, M.A.
12.00: Close.

AFTERNOON SESSION
2.30: TEMPERANCE HALF-HOUR, conducted by Mr. FRANCIS WILSON.
3.0: A specially Arranged Musical Programme.
4.0: "WITH THE BOOKS," by REV. W. A. MARSH.

EVENING SESSION
5.0: Children's Service, conducted by "Auntie Margaret." 5.45: SERVICE FOR THE SICK.
6.10: Close.

5.0: SYDNEY, 316 Metres
a.m.: Music from Studio.
10.15: Organ Music from St. Alban's Church.
10.30: Addressing Service FROM St. Ailbe's Church, Questions and Answers, by Rev. L. W. Burt. 12 noon: CLOSE.
1.0 p.m.: Afternoon Musical Programme, conducted by Mr. Eric Colman.
3.0: Address by Fr. Birtles, Australian Explorer.
3.12: Music.
4.0: Symphony Song and Story, by Uncle Francis.
5.0: Radio Sunday School.
6.0: Music.
7.0: Address by Mr. F. W. Houstoun—"The Problem of Evil."
7.20: Address by Mr. M. R. St. John—"Effect of Environment on Psychology."
7.32: Music.
7.53: Music.
8.0: Concert Programme, by "Discochords."
8.40: Music.
9.15: Address by Mr. A. M. Pooley.
10.0: Slumber Music.
10.20: A Walk.

2UW
SYDNEY, 267 Metres
10.30: Orch.—Mastersingers Overture, Wagner. (b) Catalani, "La Wally.—Concerto No. 1, Beethoven. 11.0: The Clock Symphony. .. Haydn.
12.0: Selected Items.
12.10: Close.

3.0: Orch.—Slavonic Vespers Overture .. Verdi
3.10: Selected musical items.
3.30: Orch.—Symphony No. 6 (The Pathetique) .. Tchaikovsky
4.10: Request items.
5.0: Miniature Piano Recital of Debussy Fras-.. (a) Prélude aux Images, Virgins of Delphi. (b) Balli. (c) The Whirl in the Wind. (d) Minuets.
5.30: THE QUIET HOUR—Orch.—Gypsy Princess, Elsa. .. Kalman ..4THE OPERA OF THE SPINNER (b) Majestee. .. Beethoven Organ—(a) Marche Pontificale. (b) Fray and Cradle Song .. Guilmot From the Concerto in B Minor .. Elgar.. For Violin and Orchestra. Song—He Was Despatched .. Handel Organ—Pugil. in G Major. .. Rattle—Cassan Serenade .. Dellas ..-Song—The Children's Home .. Cowes ..-Harbor of Seville Overture .. Rossini.
6.30: TWO FAMOUS COMPOSITIONS—(a) Variations Symphonique, Piano and Orch. .. Verdi ..-Sponsored Programme. (b) Concerto No. 1 for Piano and Orchestra .. Liszt.
7.0: FIFTEEN MINUTES OF SONG—(b) At the Sorrowful Gate, Brahms Moonlight in Darkness .. Doda .. Mer..-FACULTY CONCERT.—Verdi—By special request—CARRARA COUNT OF LUNA—Apollo Grandeur LECRETEUX—Maria Corena ATSCENA—Isa Minigetti CAVANU—Masriro ..-ADENALIO PERILIS.
10.30: Close.

2UE
SYDNEY, 293 Metres
Day sessions as usual.

EVENING SESSION
6.0: Bright Musical Programme.
6.30: Studio Presentation, by the 2UE Players, headed by George Edwars, under the personal supervision of Mr. E. M. Martin.
Light Opera Selection—"Lisa's Last Night."
11.00: Light opera, "Lisa's Last Night."
11.10: Music.
11.45: Tranquility Music.
11.50: Close.

2KY
SYDNEY, 280 Metres
Day sessions as usual.

EVENING PROGRAMME
5.30: Social Resources, with Question Box, conducted by G. E. Martin.
6.0: Request Programme.
6.30: Musical Entertainment, presented by Uncle Rus.
7.45: Dance Programme.
8.30: Sponsored Programme.
8.30: Smoke Concert.
9.0: Continuation of Request Session.
11.0: Close.

2SM
SYDNEY, 236 Metres
11.0: High Mass—St. Mary's Basilica.
11.15: T.M.S.—St. Mary's Basilica.
12.15: Studio Music.
12.15: Close down.
4.2: Celebrity Recital.
5.0: Studio Music.

EVENING SESSION
6.0: Angelus.
6.1: Uncle Tom and the Children. (b) As "Hector Smollett.—Lecture.
6.45: Radio Station, M.S.C.—Question Box.
8.0: Father Thompson, C.M.—Lecture.
8.30: Studio Music.
9.0: Pollock's of 1933.
10.0: Continuation Music.
10.30: Close.
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RADIOVALVES

PRODUCT OF ENGLAND

MONDAY . . . . . . MAY 1

8.0—NATIONAL PROGRAMME From 3LO, 2CO, 2FC, 2NC, 5CL, 5CK—8.0

A MAY-DAY CONCERT
By the
A.B.C. (Melbourne)
CONCERT ORCHESTRA
MURIEL CHEEK (Soprano)
and
ALGERNON (English Entertainer)

"Algeron" is an English lady entertainer, who has been engaged for several broadcasts from Melbourne. The story of her doings as an entertainer is of interest, and she was, up till two years ago, one of the brightest performances at the British Broadcasting Corporation's studios in London. As a male impersonator, she also made successful appearances at the leading theatres in Great Britain and Ireland, and was also before the footlights on the Continent. A close student for years of English dialects, she has learnt them to the letter, and her take when engaged in one of these turns, is decidedly humorous.

THE ORCHESTRA
Suite Day in May . . . . . . . Freml
MURIEL CHEEK
An Old English Bracket . . . . Purcell
It Was a Lover and His Last Morley
Under the Greenwood Tree . . Arne
THE ORCHESTRA
Three Dances from "Nell Gwynne"

"ALGERNON"
Soliloquies on the Meaning of May Day

THE ORCHESTRA
Morris Dance . . . . . . . Curtis Noble
MURIEL CHEEK
An Old English Bracket
Oh! Listen to the Voice of Love Hooke
Primrose Song . . . . . . . . Hooke
I've Been Roaming . . . . . Horne

"ALGERNON"
"Bai Jove!"

THE ORCHESTRA
Suite Summer Day . . . . Eric Coates

8.55 INTERLUDE

Speaking of her baritone voice, "Algeron," who prefers for the present to be known by that name, said that when first she received the attention of a singing teacher she was told there was a bright future for her, and that one day she would be as great a contralto as Clara Butt, but the teacher's judgment was at fault, and it was not long afterwards that she was found to be a baritone. Her range of voice is from an octave below the middle C to the F above it.

10.00: Salon Music (r.).
10.45: HOUSEHOLD HINTS.
11.00: THE AUSTRALIAN WOMEN'S RADIO SESSION, conducted by MISS GWEN VARLEY.
11.10: AN ORGAN INTERLUDE (r.).
11.15: MORNING DEVOTION—Conducted by REV. H. E. LAWSON.
11.50: CLOSE.

MIDDAY SESSION

12.00: "Big Ben." Studio music (r.).
12.05: Stock Exchange and Metal Quotations.
Special Produce Market Session for the man on the land, supplied by the State Marketing Board.
12.45: Midday News Commentary.
1:00: A glance at the afternoon."Sun." Cables (Copyright) from the Sun-Herald and Australian Press Association News Service, News from the A.B.C. Service.

1:10: Sectional Weather Forecast. LUNCHON METEOROLOGICAL TALK.
1:30: Stock Exchange, second call.
2:00: CLOSE.

THE AFTERNOON ENTERTAINMENT

3:0: A MUSICAL MIRACLE.
3:45: "HISTORY OF ARCTIC EXPLORATION," Part Third. Told by CAPTAIN A. LE GROS.
4:0: MUSIC OF THE MOMENT (r.).
4:12: Stock Exchange, third call.
4:15: CLOSE.

EARLY EVENING SESSION

5:30: THE CHILDREN'S HOUR, conducted by "BOBBY BLUEGUM."

A STRAY SUNBEAM

"The world is filled with flowers. The flowers are filled with dew, the dew is filled with dew. For you, and you, and you."
MONDAY . . . . MAY 1 (Cont.)

8.0—ALTERNATIVE PROGRAMME, 2BL Only—8.0

COMMUNITY SINGING
From the Paddington Town Hall

Associate Artists:
WAL ROCKLEY'S COURT MINSTRELS
KITTY GLOVER, Popular Vocalist
When Dawn Breaks Through Haydn Wood
Down by the Sally Gardens
Sink, Red Sun . . . Del Bajo
At Dawning . . . . Cadman

2BC—Continued

2.33: "PERCY PLATYPUS' NATURE 'BIDDLES"
8.32: "PERCY PLATYPUS' NATURE 'BIDDLES"

THE MAIL BAG is opened.

2.50: Many Happies.
2.55: "Sleep Tight."

WOMEN'S SPORTING ACTIVITIES, by the
A.B.C. Women's Sports Authority.
3.55: "THE FAMILY LAWYER" will give a talk on "Unions."
3.59: Sporting Results.
3.59: "THE FAMILY LAWYER" will give a talk on "Unions."
4.10: "THE FAMILY LAWYER" will give a talk on "Unions."

EVENING PROGRAMME
(Relayed to 2NC Newcastle from 8.0 to 11 p.m.)

8.0 A NATIONAL PROGRAMME
(Similar to the Previous Night.)
10.00 FROM THE STUDIO (Sydney)
Late Official Weather Forecast.
10.32 LATEST DANCE MUSIC
(Completion of Relay to 2NC Newcastle at 11 p.m.)
11.30 Close.

2BL NATIONAL STATION, Sydney, 351 Metres
OPENING SESSION
7.0: Announcements.
7.09: News from "THE DAILY TELEGRAPH."
7.8: MIRTH AND SONG.
7.45: "THAT'S TONIGHT!"
9.15: Close.

MIDDAY SESSION
11.30: O.P.O. Chimes and Announcements.
11.40: "OPA" will lend listeners a
"WOMEN OF OTHER DAYS" (Part One).
12.30: A PIANOFORTE RECITAL (r.)
12.30: VOCAL AND INSTRUMENTAL MUSIC
FOR THE LUNCH HOUR (r.)
12.40: RADIO RHYTHM (r.)

2LC NATIONAL STATION, Melbourne, 375 Metres

EARLY MORNING SESSION
7.0: News. 7.3: Physical Exercises to Music.
7.10: Morning Music. 7.20: "FATHER BULKE"—
"Pick-me-up."—"Life's Stepping Stones." 7.25:
Mail Notice. 7.42: What's on Today. 7.50:
Market Reports. 7.55: Weather Forecasts.
8.0: Stock News—Pictorial" News Service.
8.0: "Sun News—Pictorial" News Service.
8.0: "Sun News—Pictorial" News Service.

MIDDAY SESSION
11.30: O.P.O. Chimes and Announcements.
11.40: "OPA" will lend listeners a
"WOMEN OF OTHER DAYS" (Part One).
12.00: A PIANOFORTE RECITAL (r.)
12.30: VOCAL AND INSTRUMENTAL MUSIC
FOR THE LUNCH HOUR (r.)
12.40: RADIO RHYTHM (r.)

3AR NATIONAL STATION, Melbourne, 492 Metres

EARLY MORNING SESSION
7.0: Sixty Minutes' Melody. 7.8: Chimes and Express Train Information.

MIDDAY SESSION
12.30: MINIATURE PROGRAMME
12.30: MUSIC OF THE WORLD Relations—Dr. G. L. Wood, M.A.

EDUCATIONAL SESSION
3.0: "The Week's Health Talk."—"Coughs."—Dr. H. M. James, Clinical Tuberculosis Officer.
3.15: Music. 3.20: "Hymns of the Golden Age of Sailors and Sea Coasts."—Dr. G. L. Wood, M.A.
MONDAY . . . . MAY 1 (Cont.)

THE CLASSIC HOUR

EVENING SESSION

NIGHT SESSION
8:0: ASTROLOGY—7. Charting the Universe—Professor E. J. Harting, B.Sc.
Vocal—Silent Noon . Vaughan Williams. Title—Byzantine Church. Gravine Group. Young
—FRED. SUTCLIFFE, Teren.
Piano—Eve, Dance from Suite, Op. 32.
—WILMOT CORSKILL and ALISON LEMMON.
FRANCE—Vocal—Eve, with "Cello Obligato" Wals Song from "Romeo and Juliet" by Gounod.
—PHILLIS DICKINSON, Soprano.
—AGNES SCOTT, Mus. Bac. 
—NEWCASTLE RUDY, Barrage.
Vocal—"Clari" and Golden Sandals Frana. Thou Art So Like a Flower . Schumann. To the Nearest of the Rose. Schumann. 
—NORMA DARRICK, Mzno. Soprano.
RUSIA—Orchestral—Bharat (Hungarian Dance). Titanic Walls . R. Rela. 
MAGYAR IMRE'S HUNGARIAN GIPSY ORCHESTRA.
ITALY—Vocal—Adagio . Cherubini. Corbeto 
(Pianoforte accompaniment arranged by FRED. SUTCLIFFE.)—AGNES SCOTT, Mus. Bac. 
Vocal—"Antheus" in F Major. Leontcewski. 
—FRED. SUTCLIFFE, Tenor.
—NEW LIGHT SYMPHONY ORCHESTRA (Conductor: EUGENE OEGGS).

Curting out "B" Batteries

Many a country resident finds that a battery set becomes an expensive luxury on account of the cost of batteries. A really effective and powerful battery set will sometimes pull such a heavy tension current from the "B" batteries that even the heavy duty types will only last about six weeks. If a set takes four batteries, each costing almost a pound apiece, it is easy arithmetic to account for about 13/- per week. But quite a ray of hope appears on the horizon with the announcement that the well known city radio dealers, Messrs. Martin de Launay, Ltd., have secured the agency for the American "Electronic" eliminator. This device operates from a 6volt accumulator, and supplies sufficient high tension power to operate even the largest and most powerful of battery sets. Those who have a car may secure an extra accumulator, and when changing over accumulators one in a while will be able to maintain both batteries at charge. Further details of the Electric unit can be obtained direct from the agents—Martin de Launay, Ltd., 288 Clarence Street.

Cutting Out "B" Batteries

A Word with You—Over the Air

WOMAN'S BUDGET

THE WOMAN'S BUDGET

Will send a message through Station 2CH

ON THURSDAYS, at 3.30

While you are having Afternoon Tea
8.0 NATIONAL PROGRAMME, 3LO, 2CO, 2FC, 2NC, 4QG, 4RK, 5CL, 5CK—8.0

A Repeat Performance of

SYBIL

Featuring

GLADYS MONCRIEFF

The Play by Max Brodie and Franz Martos
English Version and Lyrics by Harry Graham
Additional Lyrics by Harry B. Smith
Music by Victor Jacobi
Production by Frank D. Cleland
PRINCIPALS, CHORUS, and ORCHESTRA
Under the Direction of PERCY CODE.

9.30 INTERLUDE

9.40—

DANCE MUSIC

CECIL FRASER AND HIS DANCE ORCHESTRA
With

"PAULINE, JUDITH AND JOAN"

"The Harmony Girls"

10.15 LATEST RELEASES

2FC NATIONAL STATION,
Sydney. 451 Metres

EARLY SESSION
7.0: "Big Ben." Song of Australia (r.).
7.3: Meteorological information for the man on the land.
7.5: This morning's news from the "Daily Telegraph" and "Labor Daily." Cables (Copy-right) from the Sun-Herald and Australian Press Association News Service. A short daily commentary for the man outback.
7.25: Market reports.
7.45: A musical interlude (r.).
8.0: Close.

MORNING SESSION
9.15: Musical Miniatures (r.).
10.0: A Musical Recital (r.).
10.15: A Racing Talk, by the A.B.C. Racing Commissioner.
10.30: Salon Music (r.).
10.45: "AUGUSTUS JOHN," a Talk by MISS A. ZANDER.
11.0: WOMEN'S CLUBS OF AUSTRALIA.
11.15: AN ORGAN INTERLUDE (r.).
11.15: MORNING DEVOTION. Conducted by REV. W. BROWN.
11.30: Close.

MIDDAY SESSION
12.0: "Big Ben." Studio Music (r.).
12.25: Stock Exchange and Metal Quotations. Metropolitan forecast and weather synopsis.
Special Produce Market Session for the man on the land, supplied by the State Marketing Board.
12.45: Midday News Commentary.
1.15: Sectional Weather Forecast.
1.15: LUNCHEON MUSIC (r.).
1.30: Stock Exchange, second call.
1.57: Announcements.
2.0: Close.

THE AFTERNOON ENTERTAINMENT
3.0: MUSICALE (r.).
3.45: "CHRISTOPHER BREENAN—A VOICE FROM THE SILENCE," a Talk by ANNIE MACDONALD.
4.0: MUSIC OF THE MOMENT (r.).
4.15: Close.

EARLY EVENING SESSION
5.30: THE CHILDREN'S HOUR, Conducted by "BOBBY BLUEGUM."

A STRAY SUNBEAM
"This world is not so bad a world, As some would try to make it, Though whether good or ill, Depends on how you take it."

5.53: CLUB NIGHT—For Bobby Bluegum's Sunshine Soldiers. All the news. Perhaps a little sick one to write a happy note to. "When Bobby Bluegum’s Sunshine Soldiers are on Parade."
6.0: "BILLY BOOKWORM" has wriggled his way in.
6.0: BAG KIDS’ SESSION—A Call to Mothers and Fathers. A Harp solo by Bobby Bluegum—Some old-time tune.
6.5: Many Happies.
6.15: "Sleep Tight!"
MRS. MUSCIO will discuss some "MATTERS OF INTEREST TO WOMEN."

7.53: FROM THE DIARY OF A FIJIAN PLANTER, a Talk by R. NORMAN MAWER.
7.10: Sporting Results.
7.33: Late Market Reports.
7.40: A Musical Interlude (r.).

EVENING PROGRAMME
Relayed to 3NC Newcastle from 8 to 11 p.m.

8.0 A NATIONAL PROGRAMME
(Transmission from 3LO Melbourne)

(See Above.)

(Further details see 3LO.)
TUESDAY...MAY 2 (Cont.)

8.0—ALTERNATIVE PROGRAMME, 2BL Only—8.0

CONCERT PROGRAMME
THE A.B.C. (SYDNEY) CONCERT ORCHESTRA

Conducted by
E. J. ROBERTS

ILA TURNBULL
Soprano

8.0 THE A.B.C. (SYDNEY) CONCERT ORCHESTRA.
Einhugs March, from opera “Böblini” Moskowksi

Arlequino ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... ... 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FRAPER AND HIS DANCE ORCHESTRA, with PAULINE, JUDITH, AND JOAN, "THE HAR- 
10.15 LATEST RELEASES. (Compound National Programme.) 
10.30 Weather Data, etc. 
10.33 Meditation Music. 
11.00 Close down.

3AR NATIONAL STATION, 
Melbourne, 492 Metres

EARLY MORNING SESSION
7.0: Sixty Minutes' Melody. 8.0: Express Train Information. 9.1: Music. 9.15: News Service. 9.30: Musical Reproductions. 9.45: Close down.

MIDDAY SESSION
12.1: Luncheon Music.

AFTERNOON SESSION
2.1: A Variety Programme, interpreted with Race Descriptions by Eric Welch from Warrnambool. Races—Trial Hurdle Race. 3 miles 58 yards. Trial Handicap. 6 furlongs; Beverley Steeplechase, 2 miles; Wagoon Handicap, 6 furlongs; Grand Hurdle Race. 2 miles 65 yards; Tlezor Welter, 1 mile. Note: Races run between 2.30 and 3.30 will be broadcast through Station 3LO.

3.0: The Influence of Insects on Our Everyday Life. 3.15: Kathryn T. N. 3.30: English Chaucer. Mrs. L. R. Maxwell, 4.0: G.P.O. Chimes. 4.1: Philharmonic Symphony Orchestra of New York (con- 
ductor, Arturo Toscanini) —Symphony in D Major. 4.30: Programme of Recordings, with Race Descriptions from Warrnambool. 5.1: Music. 5.30: Weather Data. 5.45: Close down.

EVENING SESSION
6.15: Dinner Music. 7.00: Programme Announcements. 7.00: Songs and Their Singing—discussed and illustrated by Harold Browning. 7.45: Musical Reproductions.

DAY SESSION
8.0: THE GEOLOGY OF THE BUILDING STONES (Part 7). 
PROFESSOR E. W. SKELTON, D.S.C.
TRANSMISSION FROM E. T. PETER'S, 
GRAND HOTEL.
8.20: PROGRAMME
Arranged by MUSIO TEACHERS' ASSOCIATION. 
ORGAN—Casale in E. 
—ELSA GLASON. 
VIOLIN—Sonata in G Minor. 
—WILLIAM BENNETT. 
ORGAN—Allegretto in A Flat. 
—VINCENT BESSON. 
—Karl Birtle. 
VIOLIN—Alla Rumor. 
—ELSA GLASON. 
—ELSA GLASON. 
VIOLIN—Adagio from Concerto in D Minor, 
—ELSA GLASON. 
—WILLIAM BENNETT. 
—ELSA GLASON.

VISIONARY—Good Advice.
"B" Stations, Tuesday, May 2 (Cont.)

2CH
SYDNEY, 248 Metres
Day Sessions as usual.

EARLY EVENING SESSION
5.10: MAURICE CHEVALIER, Tenor.—Because.
6.0: BAND OF H.M. COLDSTREAM GUARDS.—The Bells of Verona.—Pianoguette
7.10: CONCERTED PLAYING.—A Popular Spanish Song, 1, Pano Moruno, Falls
7.17: SANDY MACPHERSON, Organist.—I Promise.—Biren-White
7.25: FETTANNE TRIO.—Chaminade
7.34: LIGHT OPERA COMPANY.—Songs of Wales
8.0: PLAISIE THEATRE ORCHESTRA.—Humoresque
8.37: PETER J. CONLON, Accordion.—Black of Bally
8.42: MAURICE CHEVALIER, Tenor.—Balletto
8.46: RAIH DA COSTA, Novely Pianist.—Du Pont
8.50: STUART ROBERTSON AND JOHN TUTNER.—A Ballad When at Sea.
8.55: CHIQUITAS TRIO.—Ravel od allo on Garces, from Triolo in G Major, Hayden
9.07: QUIL, Tenor.—How I Love Her.—Donizetti

EVENING SESSION
8.0: BERLIN STATE OPERA HOUSE ORCHESTRA.—Schwarza, the Bagpipe Player, Weinsgerber
8.10: VIENNA PHILHARMONIC ORCHESTRA.—Prelude to the Loves of Robert Burns.
8.13: NATIONAL SYMPHONY ORCHESTRA-Caucasian Sketches.—Ippolito-Jenkins
8.41: SERGEI CHAKAPIDE, Piano.—Down the Petersky, Arr. Chakapine
8.49: SERGI RACHMANNOFF, Pianist.—Mozart's Piano Sleigh, Tchaikovsky
8.51: ANGELA BADDELEY AND COMPANY in Serenade Mynheer Solfége—entitled, "The Lampoon.",
8.56: "CAVALADE", with Prologue and Epilogue.—Suite presented by NEW MAYFAIR ORCHESTRA.
8.59: AUSTRALIAN ARTISTS AND COMPOSERS.—An Australian Bush Song, composed by William James and sung by PETER DAWSON.
9.02: PERRY GRAINGER, Pianist.—(a) Shepherd's Hey
9.06: PAUL WHITEMAN'S RHYTHM BOYS.—Miles Annabell Lee
9.08: ROGER WOLFPAC AND HIS ORCHESTRA.—In a Bamboo Garden.—Dooladon
9.13: GLADYS MONGRIEFS, Soprano, and WILLIAM SCHERTZINGER
9.16: THIRD NEWS AND COMMENTARY.

2GB
SYDNEY, 316 Metres
Day Sessions as usual.

EVENING SESSION
5.00: Birthday Calls and Songs by Uncle George and Bing Crosby.
5.05: British Talkie Session.
5.43: Country Dance from "Hell Gown," German THE VAGABONDS. Vocal Quartette
5.55: "FAREWELL."—"Waltzes from Vienna" Selection.
6.10: RAYMOND NEWELL, Baritone.—London Girl.
6.15: FRED HARLEY'S QUINTETTE.—"Seafront"—Ginny.
6.20: LIGHT OPERA COMPANY.—Gems from "Edward VII.
6.27: JEANNETTE MACDONALD, Baritone—Soprano JEAN WENTWORTH.
7.00: THE MOUNTAINS.—VIENNA PHILHARMONIC ORCHESTRA.—Turkish March from "Rains of Arizona," Beechnow
7.09: PETER DAWSON, Bass-baritone.—"Most OPERA COMIQUE ORCHESTRA. Vocal Dance."
7.11: GODDING'S GOSPEL CHORALE.—Debussy
7.15: IGIL, Tenor.—"Toselli
7.40: OLD-TIME MELODIES.—BAY LAFEINE ORCHESTRA.—Tuning
7.49: VIOLET BAHAMON.—ROYAL OPERA HOUSE ORCHESTRA.—"Towel Song," Arr. Schubert
7.53: "MUSICAL TRAVELING THROUGH COLONIAL ERA PERFORMANCE," LAYTON AND JOHNSTONE—Forward Features.
7.55: ORENEDER GUARDS' BAND.—"West Virginia Medley.
7.56: "The Tiptonians.—Sullivan
8.00: Entertainment Club Numbers.
8.10: Slumber Music.
8.16: Musical Programme.
8.20: Close.

2UE
SYDNEY, 293 Metres
Day Sessions as usual.

EVENING SESSION
4.45: Children's Session.—Auntie May and Uncle Simon.
5.20: Uncle Lionel, Ambrose, and Winkle.
6.16: "To-morrow's Races"—Mr. Tom Ellis.
7.13: Health Talk.
7.40: Musical Presentation.
7.55: Dance Music.
8.05: Light Opera Selection, "Princess Ida."
8.15: Tranquility Music.
8.30: Close.

2KY
SYDNEY, 280 Metres
Day Sessions as usual.

EVENING PROGRAMME
5.00: Melody Hour, conducted by Uncle John.
5.05: Children's Birthday Session.
6.00: "Dinner Music," conducted by "Good.".
6.15: After Dinner Music—Barbara Wentworth.
6.30: Racing Revues—Jude Naylor.
7.45: Studio Music.
8.00: From the Auburn Town Hall—P. J. Palmer's Community Concert.
8.15: Uncle Bessie George the Comedian, and other artists.
9.00: Donald Day, conducting Happy Hours.
9.16: Close.

2SM
SYDNEY, 236 Metres
Day Sessions as usual.

EVENING SESSION
5.00: Children's Session.—Auntie Oodle.
6.00: Uncle Tony and the Children.
6.25: Angelus.
7.00: Dinner Session.
7.45: Studio Music.
8.00: "UK Night Dance Music.
8.15: Studio Music.
9.10: Goodnight Music.
9.10: Close.

2XT
LISMORE, 224 Metres
Day Session: As usual.

EVENING SESSION
6.30: Fostertone—A Night of Happiness.
Harold Yates—"I'm Tired of Making Believe.
Billy's Bunch—Dance Parade—Parade of the Pied Piper.
6.45: Hawaiian Inst.—Koheka.
Duet—Just You, Just Me.
Major Tony—"I'm Not That Kind of Girl".
4.00: Frankie Day, conducting Happy Hours.
5.00: Studio Music.
5.10: Comedy Music.
5.30: Close.

FESTIVAL:
"Kiss Me Kate" at the "MEMORIAL." FESTIVAL.
4.30: "I'm In Love With You"—Noel Coward.
5.30: "Noon Session.—Uncle Roy "Say No More.""
EDOUARD LAMBERT.

Overture "The Flying Dutchman" ... ... ... ... ... Wagner

Wagner's opera, "The Flying Dutchman," is one of the great German composer's earliest operatic efforts. It was first performed at the Court Opera House, Dresden, on January 3, 1843. Its romantic story and the great beauty of its music have made it a favorite, and it still holds its place in the repertory of opera houses throughout the world. The story is from Heine's legend of the unhappy mariner, who, after repeated efforts to pass the Cape of Good Hope, made an oath that he would not desert, even though he had to sail the ocean till the end of time. The fates took him at his word, and condemned him to sail the seas eternally, the only possibility of salvation held out to him being through the devotion of a woman, which would continue until death, in spite of any trial or obstacle. Once every seven years he is permitted to go ashore in the hope of finding such a maiden.

The opera deals with one of his periodical searches for a faithful love. He meets Senta, who, fascinated by the legend of the Dutchman, devotes her life to his redemption. But Senta is beloved by Erik, who, hearing of her engagement to the Dutchman, is beside himself. In an impassioned scene, he begs her to have pity on him. The Dutchman suddenly arrives, and is horror-stricken at finding his betrothed with another man. Believing her to be false, he cries tragically: "All is over," and bids her farewell.

The Dutchman returns to his ship—the phantom vessel which has sailed the seas from time immemorial—the wind rises and the sails are filled. The crew chant a weird song of the sea, Senta, overcome with emotion, rushes to a high rock and proclaims that she is faithful even unto death, and clings herself into the sea. Instantly the Dutchman's ship sinks, and from the ocean arise the forms of Senta and the Dutchman clasped in each other's arms.

The overture gives us practically the whole opera in miniature. The raging storm with which it opens is one of the most graphic pieces of descriptive writing of its character, and has never been excelled by any other composer.

J. ALEXANDER BROWNE Baritone
Aria, Star of Eve from "Tannhauser" ... ... ... ... ... ... Wagner

ORCHESTRA

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THE TOWER OF LONDON.

The A.B.C. Revue Company Presents

AN HISTORICAL NIGHTMARE

(A Humphrey Bishop Production)

Dad goes to London as a member of the Dairy Marketing Board, but immediately plunges into a round of sight-seeing, and visits the grim old Tower of London with a party of tourists. By some mistake Dad gets left behind, and is locked up for the night in the dungeons. He sleeps, and into his dream ghosts out of the storied past come crowding. "Dreams go by contrary," and history is therefore presented in a ghostly, amusing, and surprising manner.

CAST

QUEEN ELIZABETH
Loris Bingham
RICHARD III
Eric Masters
TOM THE EXECUTOR
Bert Barton
SAINT ANNE OF CLEAVES
SIR WALTER RALEIGH
Walter Butterworth
KATHERINE OF FRANCE
Zena Moller

9.00 THE METROPOLITAN BAND
conducted by JOHN PALMER

Fantasia "Cavalcade" ..... Coward
9.10 JOHN WARREN Tenor
Trees ................. Raskhau
I Love to Kiss the Ladies .... Lehár

9.17 HAL STEAD Novelty Pianist
Medley including
"Something in the Night...... Kress"
"You'll Always be the Same Sweetheart"
Burke
"How Deep is the Ocean? ...... Berlin"
"Everyone Says I Love You ...... Ruby"

9.27 BAND
Overture "The Golden Sceptre" ..... Greenwood
3.4 MADAME EVELYN ASHLEY SOPRANO
Mimi's Song, from "La Boheme" ..... Puccini
Viatic................. Giovanni Chaminade

9.40 BAND
Valve "The Quaker Girl" ..... Monckton

9.45 JOHN WARREN
The Snow-Breasted Pearl Robinson
Kitty, My Love ......... Hughes

9.55 BAND
Selection "Emilia" .... Donizetti

10.0 EVELYN ASHLEY
Elegie (with obligato) ..... Massenet
Blackbird's Song ...... Scott
Rosebuds ............... Ardití

10.10 HAL STEAD
Mississippi River ..... Johnson
Speak to me of Love ..... Lenoir
I'm playing with Fire ..... Berlin
Dizzy Fingers ............ Confrey

9.15: Musical Miniatures (r.).

**AFTERNOON SESSION**

3:0. The Radio Matinee will be provided by "The Children's Corner." 4:00. A selection of music. 4:30. The U.S. National Programme. 5:00. The Children's Corner.

**THE CHILDREN'S CORNER**

5:45. Moments with Winnie the Pooh—in which Pooh goes visiting and gets in a tight place. Don't miss this second instalment of A. A. Milne's lovely story. It is such fun. Captain Session has a story to tell of when he was among the Wild Indians of the Upper Amazon, and Miss Menzies will sing some of her pretty songs.

**NIGHT SESSION**


**EVENING SESSION**


**NATIONAL STATION, Melbourne, 492 Metres**

**EARLY MORNING SESSION**

7:00. Sixty Minutes' Melody. 8:00. Express Train Information-Alex. 9:30. Music. 10:15. Close down.

**AFTERNOON SESSION**

2:10. A variety programme, interspersed with Race Descriptions by Eric Welh from Warran-booloob. 3:00. Rambles. 4:00. Activities. 5:00.跑道 Race. 6:00. Flying Stakes. 7:00. BROADCAST TO SCHOOLS.


**SUNRISE SESSION**


**MORNING SESSION**

7:0. National Programme. 8:00. Express Train Information-Alex. 9:30. Music. 10:15. Close down.

**EVENING SESSION**


**NIGHT SESSION**

5CL
NATIONAL STATION,
Adelaide, 411 Metres

EARLY MORNING SESSION
7.00: News, Weather Forecast.
7.10: Music.
7.30: Shipping, Mail, Train, Weather and Market Reports.
7.45: Morning Music.
8.30: Close.

MORNING AND MIDDAY SESSION
11.0: Daily Broadcast Service.
11.10: Morning Melodies.
11.18: Sporting Fixtures.
11.45: Latest Recordings.
12.00: Singalong。
12.25: On This Day and Rail Reports.
12.30: Lunch-hour Music.
1.00: Murray Bridge Race Results.
1.30: Close.

AFTERNOON SESSION
3.00: Murray Bridge Race Results.
3.25: Western Drive under the auspices of the Housewives Association.
3.35: An Afternoon Tea Programme.
4.19: A.B.C. Bridge Club, by "No Trump." 
4.25: Murray Bridge Race Results.
4.30: Close.

EVENING SESSION
6.00: Birthday Greetings. "Miss Wireless" enlures.
7.10: News Service.
7.30: Sporting Service, including Murray Bridge Football Match and B.A.C.'s Acceptances for the Morphetville on Saturday.
7.35: "Girls' Club," conducted by the "Bird Lady.
7.45: An Address to Boy Scouts.

NIGHT SESSION
8.00: "FROM THE ADELAIDE TOWN HALL—
AN OLD-TIME DANCE. A Programme presented by THE AUSTRALIAN BROADCASTING UNION in aid of THE KINDERGARTEN UNION OF S.A.

SYDNEY, 248 Metres

2CH

B" Stations Wednesday May 3 (Cont.)

2CH SYDNEY, 248 Metres

DAY SESSIONS AS USUAL.

EARLY EVENING SESSION
5.00: THE FAMILY GODMOTHER.
5.45: Musical Reminiscence.
6.00: BERLIN PHILHARMONIC ORCHESTRA, conducted by BRUNO WALTER— Strauss-William, "Salome.
6.45: THE SILVER MARKED TENOR— Harrison (The Knife Throwing Tenor) of Moree.
6.51: BILLY WHITLOCK, Xylophone Solo— The Bells of Eton.
6.58: PETER DAWSON, Baritone—

7.20: EDVINE BAKES, Novello Finals— When We're Alone— Jasn-Burton.
7.50: THE TROUBADOURS— Henry-Trent-Bagby.
7.80: NATIONAL CAVALIERS— Johnson-Meyer.
7.11: BARNABUS VAN CECZY AND HIS ORCHESTRA— My Song of Love— Stout.
7.15: A SCIENCE TALK— SPONSORED BY THE AUSTRALIAN GAS-LIGHT COMPANY—
7.30: EDGAR COYLE, Baritone—
7.35: THE 5CM HOTEL-DELMERE GUARDS— The Gooldells.

5.35: "SPECIAL FEATURE PROGRAMME.
5.00: DELL BAKES, Soprano—
Nightingale Song— Richner.
5.3: DE GROOT AND HIS ORCHESTRA—
Fredericka Selection— Lehra.
5.7: W. G. CRANER, Baritone—
The Broken Melody— Van Niens.
5.10: DAVID KING, Baritone—
Without a Song— Gurney.
5.15: ENRIQUE MADRIGUERA AND HIS ORCHESTRA—
African Lament— Gurney.
5.35: THE TROUBADOURS—
Deep Night— Valse-Rendel.
5.38: MITJA NIKICHEK AND HIS JAZZ ORCHESTRA—
Straus—Parody.
6.47: AN INSTRUMENTAL NOVELTY—
Trio—played by the ST. KILDA ORCHESTRA.
6.50: MAVIS BENNETT, Soprano—
Love Me a而Merchandise— Carey.
5.55: DE GROOT AND THE PICCADILLY ORCHESTRA—
Only for You—Strong.
5.59: MARKET SPORTS—
10.1: REGINALD POORT, Organist—
Scherbert.
5.10: AN ADDRESS—
20.15: Musical Item.
5.36: Close.

2GB

SYDNEY, 316 Metres

DAY SESSIONS AS USUAL.

12.15: "DER PALMER COMMUNITY CONCERT FROM SAVOY THEATRE—
8.00: Birthday Galls and Songs by Uncle George and Bimbo.
6.30: Bridge Talk Service.
6.35: Music.
6.46: Entertainment by "Red and Toon."—
7.15: BOSTON SYMPHONY ORCHESTRA—
Voices of Spring— Strauss.
7.30: FORTES RICHARDSON, Baritone—
Song of the Highway— May.
7.32: NICHOLAS AND ORCHESTRA—
Staadecken.
7.31: RICHARD CROOKS, Tenor—
I'll Always Be True.

2GB SYDNEY, 293 Metres

DAY SESSIONS AS USUAL.

12.15: "THE PALMER COMMUNITY CONCERT FROM SAVOY THEATRE—
8.00: Birthday Galls and Songs by Uncle George and Bimbo.
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6.35: Music.
6.46: Entertainment by "Red and Toon."—
7.15: BOSTON SYMPHONY ORCHESTRA—
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Song of the Highway— May.
7.32: NICHOLAS AND ORCHESTRA—
Staadecken.
8:00 — NATIONAL PROGRAMME From 2FC, 3LO, 2CO, 4QG and 4RK—8.0

THE RUSSIAN CHOIR

Conducted by FRANCOIS STEMPINSKI
The A.B.C. (Sydney) CONCERT ORCHESTRA

Conducted by E. J. ROBERTS

Choirmaster: WILL COTTERELL

SOLOISTS

TANIA BERESNIAKOFF Soprano
VERA CORNICK Contralto
PAUL WHITE Tenor
Violinist: FRANCOIS STEMPINSKI

THE ORCHESTRA

Overture "1812" ... Tchaikovsky
TANIA BERESNIAKOFF (with Chorus)
Dark Eyes ... Arr. Francois Stempinski
Ladies Chorus
Sunrise ... Francois Stempinski
VIOLIN SOLO
Second Movement, In D Minor

THE ORCHESTRA

"Gipsy Airs"
CHORUS

Times will Change, Arr., F. Stempinski
Two Guitars ... Arr., F. Stempinski

THE ORCHESTRA

Nutm Cracker" Suite ... Tchaikovsky

FRANCOIS STEMPINSKI

9.3 INTERLUDE

9.13 SOLO AND CHORUS

Chrysanthenums ... Arr. Stempinski

CHOIR

"The Volga Boatman"
"Quiet, Soul, Quiet," with Soprano
Solo and Violin Obbligato

QUARTETTE (Ladies)

"Why Did You Kiss Me?"

MALE CHORUS

Drinking Song ... ... ... ... ... ... Stempinski

TANIA BERESNIAKOFF

Tears Behold ... ... ... ... ... ... ... ... ... Bravin

ORCHESTRA

Resurrection ... ... ... ... ... ... ... Rimsky-Korsakov

CHOIR

Finale ... ... ... ... ... ... ... ... ... ... ... Stempinski

10.6 Latest Releases

2FC NATIONAL STATION, Sydney, 451 Metres

EARLY SESSION

7:0: "Big Ben." Song of Australia (r.).
7:3: Meteorological information for the man on the land.
7:5: This morning's news from the "Daily Telegraph" and "Labor Daily." Cables (Copyright) from the Sun-Herald and Australian Press Service. A short daily commentary for the man on the land.
7:25: Market Reports.
7:45: A Musical Interlude (r.).
8:0: Close.

MORNING SESSION

9:15: Musical Miniatures (r.).
10:0: A Musical Recital (r.).
10:30: Salon Music (r.).
10:45: THIS WEEK'S COOKERY TALK
11:0: "THE AUSTRALIAN WOMEN'S RADIO SESSION," conducted by MISS GWEN VERNER.
11:10: An Organ Interlude (r.).
11:15: MORNING DEVOTION, conducted by REV. H. H. BROWN.
11:30: Close.

MIDDAY SESSION

12:0: "Big Ben," Studio Music (r.).
12:25: Stock Exchange and Metal Quotations. Metropolitan forecast and weather synopsis. Special Produce Market Session for the man on the land, supplied by the State Marketing Board.
12:45: Mid-day News Commentary.
1:0: A glance at the afternoon "Sun," Cables (Copyright) from the Sun-Herald and Australian Press Association News Service.
1:15: Sectional Weather Forecasts.
1:15: LUNCHTIME MUSIC (r.).
1:30: Stock Exchange, second call.
1:45: Announcements.
2:0: Close.

THE AFTERNOON ENTERTAINMENT

3:0: A MUSICAL (r.).
3:45: COMMANDER C. H. ROLSTON, R.N. (Retired), will tell of "PRIZE MONEY AND PRESS GANGES."
4:0: MUSIC OF THE MOMENT (r.).
4:15: Stock Exchange, third call.
4:30: Close.

EARLY EVENING SESSION

5:30: THE CHILDREN'S HOUR, Conducted by BOBBY BLUGUM.

"It matters not how deeply entrenched the wrong
How hard the battle goes, the day how long;
Faint not, fight on.
To-morrow comes the song."

Recreation by Paddy
The Scotchy-George
The Impersonator—Freda.
The Cordenno—Dawn.
The Violin—Norma.
The Comic-Horse.
(There's a programme for all who are kids.)

6:0: The Mail Bag.
6:15: Many Happies.
6:15: "Deep Silent."

WOMEN'S SPORTING ACTIVITIES," by THE A.B.C. WOMEN'S SPORTS AUTHORITY.

6:55: "GARDENING."—A Few Hints by GEORGE COOPER.
7:0. Sporting Results.
7:35: Late Market Reports.
7:45: A Musical Interlude (r.).

EVENING PROGRAMME

(Relayed to 2NC Newcastle from 10:30 to 11 p.m.)

8:0 A NATIONAL PROGRAMME

(See Above.)

10:30 Late Official Weather Forecast

10:32 FROM THE HOTEL AUSTRALIA

Dance Music

(Completion of Relay to 2NC Newcastle at 11 p.m.)

11:30 Close

2BL NATIONAL STATION, Sydney, 351 Metres

OPENING SESSION

7:0: Announcements.

EARLY MORNING MUSIC (r.).

8:0: News from "THE DAILY TELEGRAPH" AND "THE LABOR DAILY."

8:5: MIRTH AND SONG (r.).

8:45: THIS MORNING'S STORY.

9:15: Close.

MIDDAY SESSION

11:30: Announcements.

AN ORCHESTRA INTERLUDE (r.).

11:45: MAJOR C. G. ARMITAGE will tell Listeners about "HOUSEKEEPING IN INDIA."

12:0: Stock Exchange, First Call.

12:3: A "PASTORALE RELIGIOUS" (r.).

THE LUNCH HOUR

12:36: VOCAL AND INSTRUMENTAL MUSIC FOR THE LUNCH HOUR (r.).

1:30: RHYTHM (r.).

2:0: Afternoon News from the "Sun." Cables (Copyright) from the Sun-Herald and Australian Press Association News Service; Metropolitan and Sectional Forecasts and Weather Synopsis. What's on the air this afternoon?

2:10: SATURDAY'S ACCEPTANCES, BY THE A.B.C. RACING COMMISIONER.

2:20: MUSIC OF THE MOMENT (r.).

2:30: THIS AFTERNOON'S STORY.
THURSDAY May 4 (Cont.)
8.0—ALTERNATIVE PROGRAMME: 2BL and 2NC—8.0

POPULAR PROGRAMME

8.0 "THE VIENNESE ENSEMBLE"
Overture Hungarian.... Doppler
8.3 "A GLASS OF SHERRY"
By BERNARD CRONIN
CAST
STOHR .... Herbert Leigh
OLEESEON .... John Pickard
BARBARA SEATON .... Edith Cowley
8.23 GEORGE TAYLOR AND JACK PURDON Piano and Xylophone
Medley Little Lotta Done
Little Billikin Rag
Stark
Medley, introducing—Kiss by Kiss—Rose
If I Were Only Sure—Johnson
You'll Always Be the Same Sweetheart—Tobias
Whistle and Blow Your Blues Away—Young
8.33 DOROTHY EWANK Soprano
If Stars Were Tears—Tears Weep You No More, Sad Foundation—Johnson
Since I've Seen Love in Your Eyes—Openshaw
8.40 "THE VIENNESE ENSEMBLE"
Wiener Boheme—Uhi
(Grand Selection of Viennese Melodies)
8.48 "THE RAMON DUO"
8.58 "THE VIENNESE ENSEMBLE"
Short Selection from "Paganini!" Lehár Viennese Melody . Sadiek-Szywny Two Little Hands . Niklaus-Kempfer
8.12: OLGA
4.45: THE
7.55: DINNER MUSIC.
6.15: "ONE NIGHT"
By BERNARD CRONIN
CAST
JIM CHALLIS .... John Pickard
MEG CHALLIS .... Rosslyn Vane
9.21 GEORGE TAYLOR AND JACK PURDON Piano and Xylophone
Wedding of the Painted Doll . Brown Selection, "The Big Broadcast"—Ranger Stars and Stripes March—Sousa
9.30 DOROTHY EWANK Soprano
The First Primrose—Grieg
The Swans—Grieg
I Love Thee—Grieg
Open Thay Blue Eyes—Massenet
9.33 'THE VIENNESE ENSEMBLE'—Caprice Viennoles—Kretiler Gypsy Fantasia—Zeruets
9.46 "THE RAMON DUO"
9.56 "THE VIENNESE ENSEMBLE"—Selection—Ascher, arr. Uhi
10.3 "THE FAMILY PHYSICIAN," by our Duly Qualified Medical Practitioner

2BL—Continued

THE RADIO MATINEE
9.0: "SELECTIONS FROM LIGHT OPERA" (r.)
12. CHULIE LE GRAY, Soprano
"Never Has Any All the World to Me, Haines How Deep Is the Ocean ...
9.19: FRIEDA PAUL, "Cellist—Romance, ... Your Crazy No. 2 ... Fopper
9.27: PIANOFORTE SOLOS (r.)
9.37: AN ORCHESTRAL INTERLUDE (r.)
9.45: FRIEDA PAUL, "Cellist—Serenade .. Stitt... Koda Captivus...
9.53: CHULIE LE GRAY, Soprano
Love Boat .... Brown... You're Always the Same, Sweetheart—De Rose
4.0: "MOMENTS MUSICAL" (r.)
4.30: "SOCIAL CHATTER" by "PICK."
4.45: THE TRADE HOUR DEMONSTRATION MUSO (r.)
4.46: Weather Information.
4.55: Close

THE DINNER HOUR
6.15: DINNER MUSIC
7.35: ADULT EDUCATIONAL LECTURE
7.55: What's on the air to-night?

EVENING PROGRAMME
(Replaced to 1NC Newcastle from 3 to 10.30 p.m.)
8.0: (See above)
10.17 A MUSICAL ITEM (r.)
10.20 Late News from "The Sun" Late Weather Forecast
10.29 Close

3LO NATIONAL STATION, Melbourne, 375 Metres

EARLY MORNING SESSION

MORNING SESSION

MIDDAY SESSION

AFTERNOON SESSION
3.30: Leo. Leslie—"The Man with the Musical Face"—William Hickey—Mother o' Mine (Tours). King Charleys (Maud Valerie White). Love, Could I Only Tell Thee (Chapel). The Reman Last (Stephen Adams). "Sun and; Scam." 4.45: Drama—Montatorial—Down South (Myddleton). When a Man's Man's (Little Legs) (John Leek). Two Little Hearts (Kokai). Neapolitan Nights (Zemanick). Orchestra—Music by famous orchestras of the world. The Races will be broadcast between 3.0 and 4.30 p.m. will be described to the Station 3LO. 4.35: Close down.

THE CHILDREN'S CORNER
5.45: It Is Pollyanna's day! Songs and a story and fun, all especially for the littles. Mr. H. H. K. Love will tell of the Australian Blacks. It is called "Old Black Brother" Birthday Greetings—Moss Kookaburas.

EVENING SESSION

NIGHT SESSION
(Transmission from Sydney Studio.)
8.0: A NATIONAL PROGRAMME (see 7PO programme).
10.33: DANCE MUSIC BY WIRELESS DANCE ORCHESTRA. 11.30: Close down.

3AR NATIONAL STATION, Melbourne, 492 Metres

EARLY MORNING SESSION

MIDDAY SESSION

AFTERNOON SESSION
2.1: A Variety Programme, with Race Descriptions by Eric Welch interpolated. Warrnambool Races—Union Handicap, 6 furlongs; Hoppings Hurdle Races. (Copyright: Warrnambool Cup, 1 mile 3 furlongs; Grand Annual Steeplechase, about 3 miles; Pace Race, 5 furlongs; Flying Stakes, 5 furlongs. Note: All races run between 3.0 and 4.0 p.m. will be broadcast through Station 3LO.
3.6: Little Essay in Literature and History—1. The Bottle Imp (Stevenson) Captains Donald Maclean. 15.30: Music. 3.30: French, Tennis, and Theatre. 4.15: "The Monsoon Th.anel." Mr. W. H. Frederick.

PONY-FIVE MINUTES WITH THE...
LEMKKE INVADES QUEENSLAND

This distribution of LEMKKE radio receivers in the State of Queensland has been entrusted to the well-known firm of Warburton Franki (Bris.), Ltd., 233 Elizabeth Street, Brisbane.

The LEMKKE range is very comprehensive, the smallest being a 4-valve Mantei Model £17/17/-, and the largest a 6-valve MAILEY Console, price £35. Two-battery models are also obtainable a 6-valve MAILEY Console, price £35.

The distributors will be pleased to consider applications for dealerships, and as the LEMKKE line is a particularly good one, applicants are advised to write without delay.

FERRANTI LIMITED

FERRANTI forward details of five new transformers which have been placed on the Queensland market for use in what is known there as Quiescent Push-pull, but which in many overseas territories is known as Class B Amplification.

They have no amplification curves available of the two audio types yet, but hope to print these in a later list in the near future.

These push-pull audio transformers may be used in ordinary push-pull circuits, and even as ordinary audio transformers, neglecting the centre tapping on the secondary, if desired. The quiescent push-pull transformer may also be used for ordinary push-pull output, but they are not recommended for use as straight output transformers.

The so-called quiescent push-pull method of using these transformers is that in which the output valves (usually two pentodes) are biased down to the bottom bend, each valve handling one half of each signal wave, instead of the valves being biased roughly halfway down their characteristic, as is more usual.

It should be borne in mind that these transformers are not suitable for use with the other form of class-B amplification, in which the output valves have little or no grid bias applied to them, and in which the output valves take grid current during part of the signal. Ferranti are considering the question of transformers for this latter form of push-pull, but they point out that, for satisfactory results, it needs the use of special output valves capable of being run with no grid bias, whereas in the other quiescent form standard types of valves are suitable.

They emphasise that the apparatus should be set up carefully, all parts being correctly earthed and decoupled, and that it is essential for the output valve currents to be precisely matched.
2CH SYDNEY, 248 Metres

Day Sessions as usual.

230: THE WOMAN'S BUDGET HALF-HOUR, conducted by CONSTANCE ROBERTSON (Editor of the "Woman's Budget")

EARLY EVENING SESSION

4.0: "MUSICAL TALK," by KATHLEEN JORDAN.

5.0: CLOYNE SADLER, Violinist.

6.0: BENJAMIN MACLEAN, Organist—Rhapsody in Blue.

7.0: RICHARD TAUBER, Tenor—Deh Nach Yizkor... Lelad

8.0: BERLIN STATE ORCHESTRA—My Darling... Strauss

9.1: MARKS VON RANIS ORCHESTRA—Rigoletto Selection... Verdi

10.0: EMMIE AUCKLAND, Contralto—My Wild Garden... Russell

11.0: BLACK DIAMONDS BAND—Ruddigore Selection... Sullivan

12.0: JUDE McCORMACK, Tenor—The Last Hour... Kramer

13.0: INTERNATIONAL NOVELTY QUARTET—A Waltz Dreams... Strauss

14.0: FRANK BARTA, Novelty Pianist—Mistlough

15.0: THE BLACK DIAMONDS BAND—The Joy of Judy

16.0: STUART ROBERTSON AND MALE CHORUS—Some Folks Like to Sigh. Victoria and His Dinh.

17.0: DANNELLE BAXTER, Simple Ave... Thine

18.0: GERTRUDE JOHNSON, Soprano—

EVENING SESSION

8.0: WE PRESENT THE 2CH DANCE NIGHT, featuring THE LOST DANCE BANDS.

9.15: THIRD NEWS AND SPECIAL COMMENT.

10.0: LEM MAURICE, Vocal Quartette—Some Folks Like to Sigh.

11.0: GERTRUDE JOHNSON, Soprano—

2GB SYDNEY, 316 Metres

Day Sessions as usual.

EVENING SESSION

5.0: Birthday Calls and Songs by Uncle George and Hilda.

6.0: British Talkie Session.

7.0: FIFTEEN MINUTES—GIL DECH AND COMPANY.

7.15: Snapshots of Sport.


8.0: LESLIE BAXTER, Vocal Quartette.

8.15: FIFTEEN MINUTES—INTERLUDE.

8.30: SYDNEY SYMPHONY ORCHESTRA—

9.0: "Midsummer Night's Dream." The CAVALIERS.

2MW SYDNEY, 267 Metres

Day Sessions as usual.

5.15: CHILDREN'S SESSION, CONDUCTED BY UNCLE JACK AND JILL.

6.0: DINER CONCERT.

7.0: BAND CONCERT.

7.15: Chess Championship Move.

7.46: Music.

8.0: FROM THE MUSICAL PLAYS—Bittersweet Selections... Covent Garden Selections... Covent Garden.

8.15: THE DANCE CAROSSARS CHOIR—(a) Two Old Wedding Songs.

(b) Uncle Jack's Song.

(c) Three Cockass Songs.

(d) The Volga Song.

8.32: A GREAT OVERTURE—Homes and Juliet... Tchaikovsky

9.45: A MUSICAL TALK.

9.50: TALK ON FOREIGN AFFAIRS, BY J. M. PRESTIGE.

9.55: SOME SERENADES—Serenade... Haydn

Serenade... Rossini

Serenade... Bizet

9.59: MUSIC ON THE WATERFALL—Songs of the Waterfall... Seine, To Rievong on the Water... Scherber, By the Waters of Bayon... Doork, Drowsy Waters Tanga.

10.05: SONGS WITH THE DANCE INTERLUDE.

10.20: To-morrow's programme.

10.30: Close.

2UE SYDNEY, 293 Metres

Day Sessions as usual.

EVENING SESSION

4.45: Children's Session—Auntie May and Uncle Simon.

5.25: Uncle Lyle, Amelia, and Wanda.

6.30: Dinner Music.

7.45: Sporting Talk—Mr. Fred Coghlan.

8.0: Musical Surprises from R.K.O. THEATRE.

8.15: ORCHESTRATION (Entertainer), SKETCH BY THE 2UE DRAMATIC SOCIETY.

9.15: Dance Music.


9.45: Sketch by the 2UE DRAMATIC SOCIETY.

10.0: Dance Music.

10.10: THE BIRD CATCHER.

10.30: CONTRALTO.

10.45: Tranquility Music.

11.0: Close.

2KY SYDNEY, 280 Metres

Day Sessions as usual.

EVENING SESSION

8.0: Melody Hour, conducted by Uncle John.

9.0: Children's Birthday Session—Uncle Bert.

9.30: Dinner Entertainment, conducted by "Goodin."

10.15: After Dinner Music.

10.30: Clock Music.

11.0: Musical Programme.

11.20: Feature Programme.

11.30: Music.

11.45: Doorway Day, conducting Happy Hours.

11.30: Close.

2SM SYDNEY, 236 Metres

Day Sessions as usual.

EVENING SESSION

5.0: Children's Session—Auntie Goodie.

5.30: Uncle Tom and the Children.

6.0: Angelic Tunes.

6.0: Dinner Session.

6.45: Stories.

7.15: After Dinner Entertainment.

7.45: Studio Music.

8.0: Evening Session.

8.10: Studio Music.

8.30: Compositional Music.

9.10: Close.

2XN LISMORE, 224 Metres.

Daylight as usual.

CHILDREN'S SESSION

6.0: Uncle John and "Yo Yo."

EVENING SESSION

6.30: George Olsen and his Music—After a Million Dreams, Fox Trot.

Sid Garry—My Love for You.

Lew Cobey, Pianist—Marchetta.

St. Hilda Band—Light of Foot, March.

6.45: Hula—Maumulou.

Herman Pince and his Orch.—Bachenalia.

Gerald Adams and The Variety Singers—After the Ball is Over.

7.0: Arcadians Dance Band—Savoy Christmas Med.

Fox Trot.

James Riley—Roses in June... O'Hagan

Maurice and Sidney.

Carroll Gibbons at the Piano—Moonbeam Dance.

7.15: Amelia Galli-Curci—A Kiss in the Dark Sponsored Hour.

Oh! Lord!... Fisher

Fox Trot—Your Little Baby Good-night.

Sandy MacFarlane, Comedian.

7.30: Leopold Stokowski—conducting the Phil. Sym. Orch.—Taking from the Vienna Woods... Strauss

Geo. Olsen's Orch.—Romance, Fox Trot.

Sid Garry—At Last I'm Happy.

Poppa Solo's Fox Trot.

7.45: Blaze Away, Two-step.

Johnny Mél, Hawaiian—Hawaiian Hotel.

Dorothy Adams—Little Girls in Blue.


NIGHT SESSION

9.0: Music.

10.0: Close.

WEDNESDAY

2XN LISMORE, 224 Metres

Day Session: As usual.

CHILDREN'S SESSION

6.0: Uncle Roy and Yo Ye.

EVENING SESSION

6.0: Fox Trot—Little Kiss Each Morning.

Morton Downey, Tenor—Love is a Dreamer.

Thomas Waller, Pianist—Sweet Savannah

8.0: Jack Payne's Orchestra—Riddles

8.45: INTH—IDA Red.

Sige Ogling—Waltz in the Churchyard

Brahms—The Clock is Playing.

Pfitz Krisler, Violinist—Fair Rosemary

Krisler

7.0: Frank Luther, Tenor—The Moon is Low

Buddy Morgan's Veterans—Dont't Get Colleged.

Thomas Waish, Pianist—Dreamland: Savoy

7.30: Whistling Chorus—Alpine Frolles... Hoffman

Inter, Concert Orch.—In a Persian Market

8.0: Watchtower—J. P. Rutherford

8.30: Whistling Solo—Oboe Solo, Mil Campus Frank Westfield's Orch.—Maid of the Mountain

8.30: Tosti Dal Monte, Soprano—Spargi d'Amore Francesco Finck

9.0: Art Gilmour—To Your Green Hat, Aga

Bel Canto Quartette—Softly and Tenderly

Ignace Jan Paderewski, Piano—Valse Caprice

9.0: Leo Reimann's Orch.—At Close of Day.

8.0: Studio Music.

10.0: Close.

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To the "Wireless Weekly" Radio Information Service
Box 3966PP, C.P.O., Sydney.

Please answer the accompanying query

(a) Free of charge through the columns of "Wireless Weekly" at your earliest convenience.
(b) Free of charge over the air during your session from 2CH at 8.00 p.m. Wednesday.
(c) In a special letter by early mail for which I enclose one shilling in postal notes or order stamps.

STRIKE OUT SERVICE NOT REQUIRED.

RULES:

All branches of the "Wireless Weekly" Information Service are governed by the following rules: (1) Reply by post will not exceed 500 words, (2) No queries which contain objectionable questions or comments will be answered, (3) All replies by post will be franked or stamped, (4) Replies by post will not exceed 500 words, (5) No special circuits are available, (6) The scope of the service does not include the answering of general questions, such as "What is ELECTRIFICATION?" etc., but is limited to the ability of the Technical Editor, and to the extent of the channels of information available to him. No liability attaches to "Wireless Weekly" for any misinterpretation or misuse of the information thus supplied.

H.W.R. (South Strathfield).—If the plain type of tuning coils are used, wind 100 turns of 30-gauge enamelled wire on formers 11.5cm. in diameter for both coils. The 0.0035ohm condensers should be used, but experiment is the best way to work out the right coils for these condensers, as they will be the most practical, authentic tuition—at the lowest cost.

The cells several inches apart. If they are placed under condenser pans increase the number of turns to 150. The best condenser coils would not be really suitable. You could try them, using the standard coil, and mount them at right angles at least three inches from each other. You will not be long too long, as you are not far from some powerful stations. About 30 or 40 feet would be about right. Here, again, experiment is the best answer.

"CONSTANT READER" (Mordialloc).—The coils are of the ordinary T.B.F. type. Use 100 turns of 20-gauge enamelled wire. Do not use 30 enamelled wire. These formers are enclosed in the ordinary coil, and the coils of the T.B.F. type are wound exactly the same. If they are thus shielded they cannot be used side by side. It does not matter if the valves are of different makes—as long as the types are suitable after and the valves are of the right voltages, that is all you need worry about.

D.L. (Claymont).—Wiring the condensers in parallel, with a switch to cut out the fixed one, would make it easier to test out any one of a single component of 0.0035ohm. The coil is wound on a 4½-inch former. The large winding has 85 turns at 10, 20, and 30 turns from the bottom. About ½ inch away the action winding is put on, of 35 turns, wound in the same direction. 30 enamelled wire will do for both coils.

J.W. (South Brisbane).—The ½ m.g. and ¾ m.g. resistors are the same as 500,000 and 250,000 ohms in the centimetre range. The grid to the grid link and condenser is connected, not to the screen grid, but to the cap at the top of the valve. You can see this connection in the photograph at the left of this table. The taps on the large winding are certainly there for aerial tags. They are wound near the grid of the last valve, and the grid to the end of this winding, which is farthest from them. There should be nothing wrong with the volume or quality of the output, and the selectivity should be quite as good as the average receiver. The biasing should make the output quite equal to the other two-valve sets you have heard.

A.S. (Deepwater).—We would not expect you to build up the set using anything other than the components we specified. The kit was used in order that second-apartment cabinet be saved, and you will find the selectivity quite satisfactory. Our future plans regarding the suggested kit are not for the moment—we have not yet given the idea very much thought. As for the eliminator, we did not mention a voltage above 480 because we are using a standard power transformer, but, although there could be a difference in output, we would not get the smoothing as we would like it. Also the vibrator proved rather inconsistent to action. However, if you have the facilities by all means have a shot at it yourself, and if you have any success we would be glad to hear about it.

H.A. (Queensland).—Do not know the first station. KPO is located in San Francisco, and works about the wavelength you mention. The station is in Ohio, and KPO is situated at Long Beach, Calif.; KDYL Salt Lake City. We have two stations, and we have had the calls wrong. These are all we can locate at the moment. Advertising is not as great as you stand, some American publications which list many of the stations in the world, short and long waves, and in English. If you are in the right area, write to Swain's, in Pil Street, Sydney, about it. or your nearest local agent of any of the stations for a good list of stations to your credit by this time.

H.A. (Toowoomba).—The apparatus used was a high-frequency oscillator of very simple design. If you would like further details we will supply them on receipt of a postal query.

E.R. (Peakhurst).—We were long ago sold out of the copies of this set, but if you send us a postal query, we will send you diagram and values of parts. We have not, however, any plans showing the back-panel connections available.

R.M.G. (Crow's Nest).—The speaker is not really suitable for this circuit, but that is not the fault of the best tone. of course, of course, the best speaker would be a dynamic matched for the 45. If the tone did not suit you, try another, and then it might be possible to get a special input transformer to match the output, but that would be the alterna- tion to the setting.

"PILOT" (North Coast).—The use of the resistances was in order to vary the input, and probably get away with it by using only one half of the centre-tapped winding. The best tone, of course, the best speaker would be a dynamic matched for the 45. If the tone did not suit you, try another, and then it might be possible to get a special input transformer to match the output, but that would be the alteration to the setting.
NO NAME. — We would not advise you to add the amplifier, as you show it, as the triode valves are of very little use on short waves as H.F. amplifiers, and in any case they are well out of date in this position in any set. To add a valve to the Labe's one-valve your best plan is to substitute a screen-grid valve for the 415, under which conditions you could expect to get considerably more amplification. The circuit would be essentially the same — by looking over the Glode Circuit published a week or two ago you will see the essentials of the hook-up. The voltage on the screen grid valve plate would need to be about 135, or at least 80 volts, before results would be really worth while.

GENERAL. — Mr. F. Doxman, 21 Grassmere Street, Guildford, would like to hear from any reader who has a spare copy of "Wireless Weekly" dated Jan. 8, 1932.

J.G. (Bondi). — The amplifier you propose to build sounds quite all right — that is, the 31, 56 resistance coupled, and two b.f.s. (transformer coupled). You will probably get enough gain with the valves used as triodes, although it is not very hard to alter them to pentodes if desired. It will, of course, be necessary to watch the impedance matching in each case.

H.B.W. (Pimlico). — We do not like the idea too well. When it comes to matching odd oscillator coils with other T.R.F. coils you are taking on a bit, especially when the internal windings and diodes are also odd. You would probably do much better to build a T.R.F. set on the lines of the one described in a recent issue, and keep out of coil troubles. The MIYA will be O.K. Use built-in valve for the pentode with 200 ohms bias resistor.

J.G.H. (Maryborough) considers the tone of the Auditorium Eight definitely superior in any set, and has heard, including push-pull amplifiers. We are glad to hear that things are now O.K. with the set, and also interested to know that the trouble was finally traced to faulty apparatus. You are evidently one who likes real volume. If having a push-pull amplifier you would still call the bass notes tinny at the volume you like to use, thanks very much for the note, and we wish you the best of luck with the set.

GENERAL. — Mr. P. J. Streit, of Box 43, Ungarie P.O., would like to hear from any reader who can help him to get some tuning plates for his two-valve Marconiphone radio set.

N.W.K. (Mosman). — Thanks for the circuit of the set. Try decoupling the plate and grid circuits of the 47 in the set. Decouple the plate of the detector with 50,000 ohms and 2 mfd, and the grid circuit of the 47 by using two 5 mfd. in series and decoupling from the centre with 2 mfd. This should cut the hum considerably.

"EXPERIMENTER" (South Broken Hill). — Smooth reaction is present when the control trims the set slowly towards reaction, allows it to almost slide in and out, and, what is more, maintain a definite dial reading for the reaction condenser at which reaction always starts and stops. With your set you can experiment with low value grid leaks, and various reaction coils and couplings, but often with this design perfect control is very hard to obtain.

"TROUBLED" (Concord). — As with all manufacture sets, we think the best people to consult are the makers. We can advise you on broad lines, but they are specialists in their own sets. If the set has always hummed, it is evidently due to some factor in its construction or adjustment which should be removable. Possibly the centre-tap resistance on the plate is faulty. The bias resistor may be partially broken down, or an electrolytic drying up. Even if your service period is over, you can still get attention at the factory, and if your set is quite a few years old, they certainly think you will save yourself a good deal of trouble and expense if you pay them a visit.

T.C. (Launceston). — As a rule this trouble is due to poor enough oscillation in the audion. You can try changing round the two 36 valves and raising the screen voltage to 20 volts or higher. This should allow the set to oscillate over the whole dial. If not, it is O.K. to reduce the value of the resistance a little. However, if these alterations do not achieve the results you hope for, and the beat persists, you may have some trouble with the beat which you may have come, and ask them to check it for you.

GENERAL. — Mr. C. Foster, of 20 Anzac Parade, Kensington, would like to obtain a copy of "Wireless Weekly" including the old Marco Four. Any reader who can assist him is invited to correspond.

G.E.C. (Cook's Hill). — The station you heard was K.G.O., San Francisco, and it works on a frequency of 790 kcs. It is one of the National Broadcasting Co. stations, and has a rating of 7500 watts.
A Personal Chat all by J. LEVENSON

I have just made a marvellous purchase, and as a result am able to offer NEW CHANEX 4mfd. 3000 VOLT (yes, three thousand volts) CONDENSERS, usually 22/6, at 7/6 each. They never burn out. Buy one or two of these, even though you have no immediate use, as this bargain is impossible to repeat.

EXCHANGE YOUR OLD GOLD FOR RADIO GOODS—EXTRA HIGH ALLOWANCES MADE

You all are acquainted with EMMCO Eliminators, and thousands sold at prices from £8/10/0 to £10/6/0. My price, including the necessary Raytheon tube for the type "A," is only £2, and the set gives a perfect output, and is a larger output job, at £2/10/0. However, the additional expense is unnecessary unless your set is more than 3 valves. These Eliminators completely dispense with "B" Batteries, giving about 300 volt output more than the output of four 45-volt "B" Batteries. The volt output remains constant, the electricity consumed is negligible. Connection to the set is made just the same as in the case of "B" Batteries, and the power is taken from any point or electrical light socket. Remember, these Eliminators are for special use only, where a perfect output is wanted. Should your current supply be "direct current," you are catered for by the Eliminator Co. Ltd. "B" Battery Eliminator at £2/15/0. Or you may purchase Complete Kit of Pars for £1/10/6. Send 6d for Home Construction Circuit. When you are requiring valves, remember my Valve-seller Policy means money in your pocket. I will at all times always deal direct from the list price of any valve. A few special nett prices are as follows—4 Volt Screen Grid H.C. Value 9/6; 4 Volt Marconi General Purpose, replaces Philips E412, E406, etc., 7/6; Purotron 20 Rectifier-Vale, the birth cost, £2 2s. Archcrom 6-pin 57 and 58 Valves, 12/-; 2 Volt Osram Battery Valve output 21s. as does Mullard 549, 593, 646, etc. All A.C. this price. Valves, 5/9; 224, 235, and 247 Valves, 7/6

I am pleased to offer Strobmberg-Carlson 4-Valve Portable Sets usually £27/10/0. My price, absolutely complete, and in first class condition, £10/6/0. This is the same price that has been bought at auction. A similar line was sold to another party at a nett cost of £12/- for the two. My offer is far new and mechanically perfect.

I have always been an advocate for radio sets at least being a larger output in addition of dual loud-speakers on a long lead, that can be taken from room to room, verandah, etc. My offer is to the hearth cost of the whole. I have been a barrier to this practice. But my offer is a complete set, which Speaker for this purpose, an American control unit, to which the set is attached. My offer is, £10 6s. This set is a large set for the quality, and is built by Mullard, the world's foremost, and would be cheaper. It is built for the most difficult and most critical conditions. Extension Cord for the speaker lead is supplied at 3d per yard.

EXPERIMENTS—Here is a way of getting a whole selection of good parts cheap, all in perfect order.

I can offer Second-hand 3 Valve Battery Vaults. Charged for 25/-; 4 Valve, 30/-; 5 Valve Charge, sold charged, or originally charged, £2 2s. 6d, and include many an item of use which you can use. Enquir your order for one of these sets to me. I promise you excellence.

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